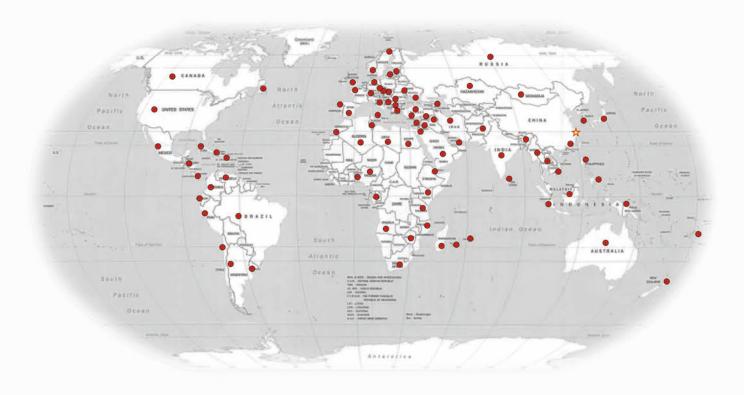
# GLOBAL SALES NETWORK















# SINOMACH-HI INTERNATIONAL EQUIPMENT CO., LTD

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SINOMACH-HI INTERNATIONAL EQUIPMENT CO., LTD.

simple. Easy: **SERVICE** 

simple, comprehensive: PANEL

strong, wide view: MASTS

so much footroom: DRIVER ROOM

# INTRODUCTION

The new generation R series forklift is combined with durability and ergonomics, providing productivity enmatched by other forklifts and the comfort for hours of tireless operation, Add friendliness to the environment, simple servicing, effciency on the job, high standards of safety——it's the perfect tool for the most demanding application.

## EFFICIENCY

Thanks to the long wheelbase design, the longitudinal stability of whole truck is much better, the hoisting capacity at same lift height are enhanced by an average of 100kg compared with former truck. At the same time, it prolongs work time of rear wheel as the reduced rear axle's load.

The travel speed of truck has been raised, for example, the 2-2.5t type comes to 20km/h.

Increasing the hard proportion of hydraulic pipe, adopting right angle connector or straight through connector, that reduce the pressure loss of pipeline, and raise the lifting speed of mast, the speed is increased by an average of 10% compared with former truck.

Turning radius and width of right angle stacking aisle are decreased through reducing the dimensions of whole truck, that raise the efficiency of storehouse.

commitment to excellence.



#### SERVICING

Easy opened engine cover and one-touch removal of the floorboard get you right to service operation, and reduces down-time.

The reasonable arrangement of fuse and installation of instrument, enable the replacing for fuse and maintenance for instrument more easy.

#### ENVIRONMENT FRIENDLY

The environment friendly engines all meet related emission control regulation. The noise emission also comes up to EU standard.

The Metal hood and molding sound insulation matches environmental protection demands.

#### SAFE

A throttling device is set in pipe system, the mast won't result in failing control of mast even some pipes broke.

By using a built-in hood lock device, the safe level of the truck has been raised.





or more than 30 years, **SINOMACH-HI INTERNATIONAL EQUIPMENT CO., LTD**Has played a leading role in the manufacture and production of Chinese forklift industry. We constantly strive to develop and incorporate the latest advances in forklift design and technology to ensure that our products provide an optimum level of performance, all the time. Our new generation R series of forklifts truly exemplifies this

- The clearance between the steering axle and support rod can be adjusted, to improve the adaptability for ground.
- The pin of the tilt cylinder adopts a build-in grease fitting, which enables the greas fitting more dependable.
- The high performance specific tires for forklift trucks increase the work life of tires much more.

durable: HYDRAULICS

clean, reliable: ENGINES

progressive: BRAKES

cool, smooth: TRANSMISSON

#### APPEARANCE

The latest appearance design method was used to create the R series fluent and aesthetic outline, that matches the latest appearance trend.

The large engineering plastic covering enables the whole truck looks friendly and natural.

# TRANSMISSION & ENGINE

The transmission can be chosen among OKAMURA、NISSAN and HC( made in china with the Japanese technique), with advanced structure and dependable function. Among them, the OKAMURA transmission adopts advanced float type structure, which can achieve a flexible connection between engine and frame. the vibrations of transmission to the frame is reduced. The engine can be chosen among the TD27, C240, 4JG2、4TNV94L diesel engine, with great power, economical fuel consumption and dependable functions.

## OPERATION

Adopted advanced ergonomic technology optimizes the design of control system, improves the comfortable of operation much more.

Adopted advanced vibration-reduction technology designs each part's vibration reduction, reduces the whole truck vibration. Among them, the hood is designed to full floating type, and vibration reduction device for steering axle enables the operation more comfortable.





The torque converter models adopt electronic-hydraulic forward-reverse control technology, meaning less effort and less total time used during this often-performed function.

Adopted recently developed redirector decreases the steering wheel force to 6~8N only ,that reduce 50% compared with former truck.

















# Options

- 2.0-5.0m duplex mast
- 2.5-4.0m full free duplex mast
- 4.3-6.5m triplex mast
- Special carriage and backrest
- Other dimension forks
- Dual drive wheel with fender
- Solid tyre
- Non-marking tyre(white、green)
- Cabin

- Heater and air conditioner
- Fire extinguisher
- Semi-suspension seat or full-suspension seat
- Dual air cleaner or special air cleaner
- Rear working light
- Customer painting
- Auxiliary hydraulic valve modules
- High-mounted exhaust system

- Middle-mounted exhaust system
- Spark arrester
- Purified exhaust system
- Radiator screen
- Sideshifter
- Integrated sideshifter
- Other attachment

The grease fittings and bushes added around the shaft of control mechanism decreases the force of pedal, that are reduced 30% compared with former truck.

# COOLING SYSTEM

Newly adopted combined type aluminum radiator improves the radiator cooling performance greatly.

Advanced heat dissipation technology improves heat dissipation channel, that enhances the truck heat dissipation capability further, the water temperature is reduced 15% compared with former truck.

## CYLINDER

Oil seal rings used for tilting cylinder. lifting cylinder and turning cylinder all adopt the first class international product, the sealing performance has been proven through ten of thousands fatigue test.

The soft landing system for lifting cylinder decreases the level of noise and shock when the mast lowered to termination phase.

#### BRAKES

The 2-2.5t forklifts all adopt the new type drum brake. waterproof slot on the brake drum and framework oil seal on the axle tube avoid water or oil entering the brake drum, enable the dependability of brake to raise consumedly.





OKAMURA 2-3t T / M is Floating Types, The only one in China. Floating types are designed to reduce the transmission of vibrations to the chassis in small and midsized (1 to 5 tons) forlift trucks, thereby reducing operator fatigue and improving riding comfort . Specially-shortened design is ideal for this floating-type Installation.

Compact design offers same dimensions as conventional integrated models .

May be coupled to the differential axles. Making installation, removal, and maintenance easy.



ISUZU 4JG2 PE-01

Displacement Rated output: 44.9 Kw/2450rpm Rated torque: 186.3 N·m/1700rpm



# YANMAR 4TNV94L

Displacement Rated output: 13 Kw/2500rnm Rated torque



#### **XINCHAI** A498BT1

Displacement Rated output 36.8 Kw/2400rpm Rated torque: 186 N·m/1700rpn

# R series 2.0-2.5t Diesel forklift specification:

| R Series 2.0 2.31 Dieser Torkint Specification. |           |                                                                          |                                                                    |           |                       |                        |                                |                                         |                                         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |                                              |                       |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                       |                      |                 |            |
|-------------------------------------------------|-----------|--------------------------------------------------------------------------|--------------------------------------------------------------------|-----------|-----------------------|------------------------|--------------------------------|-----------------------------------------|-----------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------|-----------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|----------------------|-----------------|------------|
|                                                 | 1         | Manufacturer SINOMACH-HI INTERNATIONAL EQUIPMENT CO.,LTD.                |                                                                    |           |                       |                        |                                |                                         |                                         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        | SINOMACH-HI INTERNATIONAL EQUIPMENT CO.,LTD. |                       |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                       |                      |                 |            |
|                                                 | 2         | Basic model                                                              |                                                                    | CPCD20N   |                       |                        |                                |                                         |                                         |                       | CPCD25N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                                              |                       |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                       |                      |                 |            |
| era                                             | 3         | Туре                                                                     |                                                                    |           | RW10 RW10B            | RW13 RW15A             | RW27 RW32                      | RW33 RW33B                              | RW43 RW43B                              | RW55 RW55B            | RW56 RW56B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RG2 RG5                | RW10 RW10B                                   | RW13 RW15A            | RW27 RW32             | RW33 RW33B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | RW43 RW43B            | RW55 RW55B            | RW56 RW56B           | RG2             | RG5        |
| l je                                            | 4         | Power type                                                               |                                                                    |           | Diesel                | Diesel                 | Diesel                         | Diesel                                  | Diesel                                  | Diesel                | Diesel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Diesel                 | Diesel                                       | Diesel                | Diesel                | Diesel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Diesel                | Diesel                | Diesel               | Dies            | el         |
|                                                 | 5         | Rated capacity                                                           |                                                                    | kg        | 2000                  | 2000                   | 2000                           | 2000                                    | 2000                                    | 2000                  | 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2000                   | 2500                                         | 2500                  | 2500                  | 2500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2500                  | 2500                  | 2500                 | 250             | 0          |
|                                                 | 6         | Load center                                                              |                                                                    | mm        | 500                   | 500                    | 500                            | 500                                     | 500                                     | 500                   | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 500                    | 500                                          | 500                   | 500                   | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 500                   | 500                   | 500                  | 500             | į.         |
|                                                 | 7         | Lift height                                                              |                                                                    | mm        | 3000                  | 3000                   | 3000                           | 3000                                    | 3000                                    | 3000                  | 3000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3000                   | 3000                                         | 3000                  | 3000                  | 3000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3000                  | 3000                  | 3000                 | 300             | 0          |
| stics & Dimensions                              | 8         | Free lift height                                                         |                                                                    | mm        | 140                   | 140                    | 140                            | 140                                     | 140                                     | 140                   | 140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 140                    | 140                                          | 140                   | 140                   | 140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 140                   | 140                   | 140                  | 140             | li .       |
|                                                 | 9         | Fork size                                                                | L×W×T                                                              | mm        | 1070x122x40           | 1070x122x40            | 1070x122x40                    | 1070x122x40                             | 1070x122x40                             | 1070x122x40           | 1070x122x40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1070x122x40            | 1070x122x40                                  | 1070x122x40           | 1070x122x40           | 1070x122x40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1070x122x40           | 1070x122x40           | 1070x122x40          | 1070x12         | 22x40      |
|                                                 | 10        | Mast tilt range                                                          | F/R                                                                | (°)       | 6/12                  | 6/12                   | 6/12                           | 6/12                                    | 6/12                                    | 6/12                  | 6/12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6/12                   | 6/12                                         | 6/12                  | 6/12                  | 6/12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6/12                  | 6/12                  | 6/12                 | 6/12            | 2          |
|                                                 | 11        | Fork overhang(Whe                                                        | eel center to fork face)                                           | mm        | 475                   | 475                    | 475                            | 475                                     | 475                                     | 475                   | 475                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 475                    | 475                                          | 475                   | 475                   | 475                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 475                   | 475                   | 475                  | 475             | į.         |
|                                                 | 12        | Rear overhang                                                            |                                                                    | mm        | 405                   | 405                    | 405                            | 405                                     | 405                                     | 405                   | 405                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 405                    | 480                                          | 480                   | 480                   | 480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 480                   | 480                   | 480                  | 480             | 7.         |
|                                                 | 13        |                                                                          | Length to face of fork                                             | mm        | 2530                  | 2530                   | 2530                           | 2530                                    | 2530                                    | 2530                  | 2530                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2530                   | 2605                                         | 2605                  | 2605                  | 2605                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2605                  | 2605                  | 2605                 | 260             |            |
|                                                 | 14        | Overall                                                                  | Overall width                                                      | mm        | 1155                  | 1155                   | 1155                           | 1155                                    | 1155                                    | 1155                  | 1155                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1155                   | 1155                                         | 1155                  | 1155                  | 1155                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1155                  | 1155                  | 1155                 | 115             | -          |
| ie.                                             | 15        | dimensions                                                               | Mast lowered height                                                | mm        | 1985                  | 1985                   | 1985                           | 1985                                    | 1985                                    | 1985                  | 1985                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1985                   | 1985                                         | 1985                  | 1985                  | 1985                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1985                  | 1985                  | 1985                 | 198             |            |
| Performance Charact                             | 16<br>17* | difficitions                                                             | Mast extended height                                               | mm        | 4045                  | 4045                   | 4045                           | 4045                                    | 4045                                    | 4045                  | 4045                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4045                   | 4045                                         | 4045                  | 4045                  | 4045                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4045                  | 4045                  | 4045                 | 404             |            |
|                                                 |           |                                                                          | Overhead guard height                                              | mm        | 2140 (2200*)          | 2140 (2200*)           | 2140 (2200*)                   | 2140 (2200*)                            | 2140 (2200*)                            | 2140 (2200*)          | 2140 (2200*)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2140 (2200*)           | 2140 (2200 *)                                | 2140 (2200 *)         | 2140 (2200 *)         | 2140 (2200 *)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2140 (2200 *)         | 2140 (2200 *)         | 2140 (2200 *)        | 2140 (22        |            |
|                                                 | 18        | Turning radius(outs                                                      | 5/47/57 M (1990) 1991 1993 1994 1994 1994 1995 1995 1995 1995 1995 | mm        | 2175                  | 2175                   | 2175                           | 2175                                    | 2175                                    | 2175                  | 2175                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2175                   | 2235                                         | 2235                  | 2235                  | 2235                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2235                  | 2235                  | 2235                 | 223             | 5          |
|                                                 | 19        | Min. right angle stacking aisle width<br>(Add load length and clearance) |                                                                    | mm        | 2650                  | 2650                   | 2650                           | 2650                                    | 2650                                    | 2650                  | 2650                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2650                   | 2710                                         | 2710                  | 2710                  | 2710                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2710                  | 2710                  | 2710                 | 271             | 0          |
|                                                 | 20        | (rad load lelight all                                                    | Travel (No load)                                                   | km/h      | 20. 5                 | 20 18                  | 19.5 20                        | 20                                      | 20                                      | 20                    | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 22 20.5                | 20.5                                         | 20 18                 | 19.5 20               | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20                    | 20                    | 20                   | 22              | 20.5       |
|                                                 | 21        | Speed                                                                    | Lifting (Full load)                                                | mm/s      | 410                   | 510 500                | 450 500                        | 500                                     | 580                                     | 530                   | 580                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 580 470                | 480                                          | 580 570               | 520 580               | 580                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 580                   | 530                   | 580                  | 580             | 540        |
|                                                 | 22        | 3250                                                                     | Lowering (Full load)                                               | mm/s      | 500                   | 500                    | 500                            | 500                                     | 500                                     | 500                   | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 500                    | 500                                          | 500                   | 500                   | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 500                   | 500                   | 500                  | 500             |            |
|                                                 | 23        | Max.Drawbar Pull (I                                                      | (Full load)                                                        | N         | 17000                 | 22700 23100            | 22600 14500                    | 18500 19700                             | 19500 18500                             | 19300 18300           | 19500 18500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 18700 18000            | 17000                                        | 22700 23100           | 22600 14500           | 18500 19700                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 19500   18500         | 19300 18300           | 19500 18500          | 18700           | 18000      |
|                                                 | 24        | Max.Gradeability (F                                                      | Full load)                                                         | %         | 20                    | 20                     | 20                             | 20                                      | 20                                      | 20                    | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20                     | 20                                           | 20                    | 20                    | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20                    | 20                    | 20                   | 20              |            |
|                                                 | 25        | -                                                                        | Front                                                              | mm        | 7. 00-12-12PR         | 7.00-12-12PR           | 7.00-12-12PR                   | 7.00-12-12PR                            | 7.00-12-12PR                            | 7.00-12-12PR          | 7.00-12-12PR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 7.00-12-12PR           | 7.00-12-12PR                                 | 7.00-12-12PR          | 7.00-12-12PR          | 7.00-12-12PR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7.00-12-12PR          | 7.00-12-12PR          | 7.00-12-12PR         | 7.00-12-        | 12PR       |
|                                                 | 26        | Tyres                                                                    | Rear                                                               | mm        | 6.00-9-10PR           | 6.00-9-10PR            | 6.00-9-10PR                    | 6.00-9-10PR                             | 6.00-9-10PR                             | 6.00-9-10PR           | 6.00-9-10PR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6.00-9-10PR            | 6.00-9-10PR                                  | 6.00-9-10PR           | 6.00-9-10PR           | 6.00-9-10PR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6.00-9-10PR           | 6.00-9-10PR           | 6.00-9-10PR          | 6.00-9-1        | IOPR       |
| . <u>ss</u>                                     | 27        |                                                                          | Front                                                              | mm        | 965                   | 965                    | 965                            | 965                                     | 965                                     | 965                   | 965                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 965                    | 965                                          | 965                   | 965                   | 965                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 965                   | 965                   | 965                  | 965             | 5          |
| ass                                             | 28        | Tread                                                                    | Rear                                                               | mm        | 970.5                 | 970.5                  | 970.5                          | 970.5                                   | 970.5                                   | 970.5                 | 970.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 970.5                  | 970.5                                        | 970.5                 | 970.5                 | 970.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 970.5                 | 970.5                 | 970.5                | 970.            | .5         |
| 5                                               | 29        | Wheelbase                                                                |                                                                    | mm        | 1650                  | 1650                   | 1650                           | 1650                                    | 1650                                    | 1650                  | 1650                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1650                   | 1650                                         | 1650                  | 1650                  | 1650                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1650                  | 1650                  | 1650                 | 165             | 0          |
|                                                 | 30<br>31  | Ground                                                                   | Lowest                                                             |           | 105                   | 105                    | 105                            | 105                                     | 105                                     | 105                   | 105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 105                    | 105                                          | 105                   | 105                   | 105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 105                   | 105                   | 105                  | 105             | ,          |
| 1 1                                             |           | clearance                                                                | Wheelbase center                                                   |           | 150                   | 150                    | 150                            | 150                                     | 150                                     | 150                   | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 150                    | 150                                          | 150                   | 150                   | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 150                   | 150                   | 150                  | 150             | j.         |
| Ħ                                               | 32        | Service wieght                                                           |                                                                    | kg        | 3440                  | 3440                   | 3440                           | 3440                                    | 3440                                    | 3440                  | 3440                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3440                   | 3765                                         | 3765                  | 3765                  | 3765                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3765                  | 3765                  | 3765                 | 376             | 5          |
| eig                                             | 33        | Weight                                                                   | Full load Front / Rear                                             |           | 4815/625              | 4815/625               | 4815/625                       | 4815/625                                | 4815/625                                | 4815/625              | 4815/625                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4815/625               | 5530/735                                     | 5530/735              | 5530/735              | 5530/735                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5530/735              | 5530/735              | 5530/735             | 5530/7          |            |
| 3                                               | 34        | Distribution                                                             | No load Front / Rear                                               |           | 1640/1800             | 1640/1800              | 1640/1800                      | 1640/1800                               | 1640/1800                               | 1640/1800             | 1640/1800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1640/1800              | 1560/2205                                    | 1560/2205             | 1560/2205             | 1560/2205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1560/2205             | 1560/2205             | 1560/2205            | 1560/2          |            |
|                                                 | 35        | Battery                                                                  | Voltage/Capacity(20HR)                                             | V/AH      | 12/90                 | 12/90                  | 12/90                          | 12/90                                   | 12/90                                   | 12/90                 | 12/90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 12/90                  | 12/90                                        | 12/90                 | 12/90                 | 12/90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 12/90                 | 12/90                 | 12/90                | 12/9            | -          |
| Power & transmission                            | 36        |                                                                          | Model                                                              |           | C240PKJ-30            | 100000                 | A498BT1-1 4TNE92-HRJ           | 111011111111111111111111111111111111111 | QSF2.8t3NA49                            | S4S-Z362CSFL          | 4TNV94L-BXPHZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C490BPG A490BPG        |                                              | 4JG2 PE-01 TD27       | A498BT1-1 4TNE92-HRJ  | 100000000000000000000000000000000000000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | QSF2.8t3NA49          | S4S-Z362CSFL          | 4TNV94L-BXPHZ        | C490BPG         |            |
|                                                 | 37        |                                                                          | Manufacture                                                        |           | ISUZU                 | ISUZU UD               | XINCHAI YANMAR                 | YANMAR                                  | CUMMINS                                 | MITSUBISHI            | YANMAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | XINCHAI                | ISUZU                                        | ISUZU UD              | XINCHAI YANMAR        | YANMAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CUMMINS               | MITSUBISHI            | YANMAR               | XINC            |            |
|                                                 | 38        | Engine                                                                   | 104/10000000000000000000000000000000000                            | Kw/r/min  | 34. 5/2500            | 46/2450 38.5/2300      |                                | 42.1/2300                               | 36.5/2500                               | 35.3/2250             | 34.6/2400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 40/2650 37/2650        | 34.5/2500                                    |                       | 36.8/2400 32.8/2450   | 42.1/2300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 36.5/2500             | 35.3/2250             | 34.6/2400            | 40/2650         |            |
|                                                 | 39        |                                                                          | 2000                                                               | N·m/r/min |                       | 186/1700   160/2300    | 186/1700 149.4/1600            | 186/1700                                | 186/1500                                | 177/1700              | 191~208.5/1500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 160/1800-2000 148/1900 |                                              | 186/1700   160/2300   | 186/1700 149.4/1600   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 186/1500              | 177/1700              | 191~208.5/1500       | 160/1800-2000 1 | 48/1900    |
|                                                 | 40        |                                                                          | No. of cylinder                                                    |           | 4                     | 4                      | 4                              | 4                                       | 4                                       | 4                     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                      | 4                                            | 4                     | 4                     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                     | 4                     | 4                    | 4               | 20.45      |
|                                                 | 41        |                                                                          | Bore×Stroke                                                        | mm        | 86x102                | 10.000 100.000 100.000 | 98x105 92x100                  | 98x110 98x110                           | 94×100                                  | 94×120                | 94×110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 90x105 90x100          | 86x102                                       | 95.4x107 96x92        | 98x105 92x100         | 7.0001.700                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 94×100                | 94×120                | 94×110               | 90x105          | 90x100     |
|                                                 | 42        |                                                                          | Emission STD.                                                      |           | StageIIIA             | StageII                |                                | StageIIIA/Tier3 StageIIIA/Tier3         | StageIIIA                               | StageIIIA             | StageIIIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0070 0515              | StageIIIA                                    | Stagell               |                       | StageIIIA/Tier3 StageIIIA/Tier3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | StageIIIA             | StageIIIA             | StageIIIA            | 0070            | 05.40      |
|                                                 | 43        |                                                                          | Displacement  Fuel tank conneity                                   | ml        | 2369                  | 3059 2663              | 3168 2659                      | 3319 3319                               | 2800                                    | 3331                  | 3054                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2670 2540              | 2369                                         | 3059 2663             | 3168 2659             | 3319 3319                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2800                  | 3331                  | 3054                 | 2670            |            |
|                                                 | 44        |                                                                          | Fuel tank capacity                                                 | L         | 60                    | 60                     | 60                             | 60                                      | 60                                      | 60                    | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 60                     | 60                                           | 60                    | 60                    | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 60                    | 60                    | 60                   | 60              |            |
|                                                 | 45<br>46  | Transmissions                                                            | Manufacture                                                        |           | CHINA OKAMURA         |                        | CHINA CHINA                    | CHINA OKAMURA                           | 21,111,111,111,111,111,111,111,111,111, | CHINA OKAMURA         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 200000                 | CHINA OKAMURA                                |                       | CHINA CHINA           | CHINA OKAMURA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 25,000,000            |                       | CHINA OKAMURA        |                 |            |
|                                                 | 46        |                                                                          | Type Stage FWD / RVS                                               |           | Powershift Powershift | Powershift Powershift  | 12.43.25020 min 12.30.5000.000 | Powershift Powershift                   | Powershift Powershift                   | Powershift Powershift | 10-2017 (Carrier of the Carrier of t | Powershift Powershift  |                                              | Powershift Powershift | Powershift Powershift | TO SECURE ASSESSMENT OF THE PROPERTY OF THE PERSON OF THE | Powershift Powershift | Powershift Powershift |                      |                 | Powershift |
| -                                               | 48        | Operating pressure                                                       | 25000000                                                           | Mpa       | 1/1 1/1<br>17.5 17.5  | 1/1 1/1<br>17.5 17.5   | 1/1 1/1<br>17.5 17.5           | 1/1 1/1<br>17.5 17.5                    | 1/1 1/1<br>17.5 17.5                    | 1/1 1/1<br>17.5 17.5  | 1/1 1/1<br>17.5 17.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1/1 1/1<br>17.5 17.5   | 1/1 1/1<br>17.5 17.5                         | 1/1 1/1<br>17.5 17.5  | 1/1 1/1<br>17.5 17.5  | 1/1 1/1<br>17.5 17.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1/1 1/1<br>17.5 17.5  | 1/1 1/1<br>17.5 17.5  | 1/1 1/1<br>17.5 17.5 | 1/1             | 1/1        |
|                                                 | 40        | Operating pressure                                                       | ror attacriments                                                   | Ivipa     | 17.5                  | 17.5                   | 17.5                           | 17.5                                    | 17.5                                    | 17.5                  | 17.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 17.5                   | 17.5                                         | 17.5                  | 17.5                  | 17.5 17.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 17.5                  | 17.5                  | 17.5                 | 17.5            | 17.5       |

Note: \* With suspension seat or cabin.

1. Special lifting height available ( Duplex mast: 2.5m, 2.7m, 3.0m, 3.6m, 4m, 4.5m. Triplex mast: 4.3m, 4.5m, 4.5m, 5.5m, 6m ) 2. Attachment available. 3. The specifications in the table are for standard models only. For further information please contact us. 4. Specifications are subject to change without notice.

# **DIMENSIONS** LOAD CHART a = 200 mm safety clearance AST = 11 + 18 + a + B

# 2.0 / 2.5t R series mast: (pneumatic)

|                                        |         |           | Overall height |                |                  | Free lift                 |                  |          | Tilt range |     | Capacity                |      |             |            |  |
|----------------------------------------|---------|-----------|----------------|----------------|------------------|---------------------------|------------------|----------|------------|-----|-------------------------|------|-------------|------------|--|
| Φ.                                     |         | Max. fork |                | Extended       |                  |                           | *****            | Front    |            |     | Load capacity at 500 mm |      |             |            |  |
| Туре                                   | Model   | height    | Lowered        | Without        | With backrest mm | Without<br>backrest<br>mm | With backrest mm | Overhang | FWD        | BWD | Single tire             |      | Double tire |            |  |
| -                                      |         |           |                | backrest<br>mm |                  |                           |                  |          |            |     | 2t                      | 2.5t | 2t          | 2.5t<br>kg |  |
|                                        |         |           |                |                |                  |                           |                  |          |            | (°) | kg                      | kg   | kg          |            |  |
|                                        | R25M250 | 2500      | 1745           | 3135           | 3545             | 140                       | 140              | 470      | 6          | 12  | 2000                    | 2500 | 2000        | 2500       |  |
|                                        | R25M270 | 2700      | 1845           | 3335           | 3745             | 140                       | 140              | 470      | 6          | 12  | 2000                    | 2500 | 2000        | 2500       |  |
|                                        | R25M300 | 3000      | 1995           | 3635           | 4045             | 140                       | 140              | 470      | 6          | 12  | 2000                    | 2500 | 2000        | 2500       |  |
| mast                                   | R25M330 | 3300      | 2145           | 3935           | 4345             | 140                       | 140              | 470      | 6          | 12  | 2000                    | 2500 | 2000        | 2500       |  |
| >                                      | R25M350 | 3500      | 2245           | 4135           | 4545             | 140                       | 140              | 470      | 6          | 12  | 2000                    | 2500 | 2000        | 2500       |  |
| view                                   | R25M360 | 3600      | 2345           | 4235           | 4645             | 140                       | 140              | 470      | 6          | 12  | 2000                    | 2500 | 2000        | 2500       |  |
| é                                      | R25M400 | 4000      | 2595           | 4635           | 5045             | 140                       | 140              | 470      | 6          | 12  | 1900                    | 2300 | 2000        | 2500       |  |
| Wide                                   | R25M430 | 4300      | 2745           | 4935           | 5345             | 140                       | 140              | 470      | 6          | 6   | 1800                    | 2100 | 1950        | 2450       |  |
|                                        | R25M450 | 4500      | 2845           | 5135           | 5545             | 140                       | 140              | 470      | 6          | 6   | 1700                    | 2000 | 1900        | 2400       |  |
|                                        | R25M480 | 4800      | 2995           | 5435           | 5845             | 140                       | 140              | 470      | 6          | 6   | 1500                    | 1700 | 1700        | 2100       |  |
|                                        | R25M500 | 5000      | 3095           | 5635           | 6045             | 140                       | 140              | 470      | 6          | 6   | 1400                    | 1600 | 1600        | 2000       |  |
|                                        | N25U250 | 2500      | 1810           | 3170           | 3545             | 1140                      | 760              | 460      | 6          | 12  | 2000                    | 2500 | 2000        | 2500       |  |
| ast                                    | N25U270 | 2700      | 1910           | 3370           | 3745             | 1240                      | 860              | 460      | 6          | 12  | 2000                    | 2500 | 2000        | 2500       |  |
| 2 2 5                                  | N25U300 | 3000      | 2010           | 3670           | 4045             | 1340                      | 960              | 460      | 6          | 12  | 2000                    | 2500 | 2000        | 2500       |  |
| full free Duplex mast                  | N25U330 | 3300      | 2160           | 3970           | 4345             | 1490                      | 1110             | 460      | 6          | 12  | 2000                    | 2500 | 2000        | 2500       |  |
| 5 - B                                  | N25U360 | 3600      | 2310           | 4270           | 4645             | 1640                      | 1260             | 460      | 6          | 12  | 2000                    | 2500 | 2000        | 2500       |  |
|                                        | N25U400 | 4000      | 2560           | 4670           | 5045             | 1890                      | 1510             | 460      | 6          | 12  | 1900                    | 2300 | 2000        | 2500       |  |
| 3337                                   | N25N430 | 4300      | 2055           | 4955           | 5355             | 1370                      | 1010             | 475      | 6          | 6   | 1700                    | 2000 | 1900        | 2400       |  |
| Wide view<br>full free<br>Triplex mast | N25N450 | 4500      | 2125           | 5245           | 5605             | 1440                      | 1080             | 475      | 6          | 6   | 1600                    | 1900 | 1800        | 2300       |  |
| e e e                                  | N25N480 | 4800      | 2225           | 5495           | 5855             | 1540                      | 1180             | 475      | 6          | 6   | 1500                    | 1700 | 1700        | 2100       |  |
| e=ĕ=                                   | N25N500 | 5000      | 2290           | 5695           | 6055             | 1605                      | 1245             | 475      | 6          | 6   | 1400                    | 1600 | 1600        | 2000       |  |
| 호트                                     | N25N550 | 5500      | 2455           | 6195           | 6555             | 1770                      | 1410             | 475      | 3          | 6   | 1050                    | 1200 | 1500        | 1800       |  |
| 16.00                                  | N25N600 | 6000      | 2675           | 6705           | 7055             | 1990                      | 1630             | 475      | 3          | 6   | 700                     | 800  | 1400        | 1600       |  |

With sideshifter minus 150Kg, with integral sideshifter minus 100Kg.