



FD20-35H

DIESEL FORKLIFT

PT INDO GLOBAL TRAKTOR
Your Reliable Business Partner

ZOOMLION

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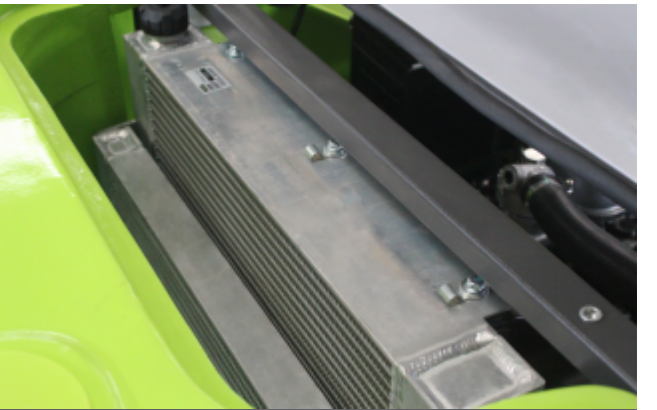
DIESEL FORKLIFT



Exceptional Powertrain
Combine Isuzu C240/4JG2, Mitsubishi S4S diesel engine and Nissan K25 gasoline engine with automatic transmission design, operator has got a powertrain that delivers strong load handling and smooth acceleration.



Ergonomics
Roomy foot space of 1.06 meters wide enables a comfort operation. Hydraulic controls are located besides display for maximum operator comfort, while allowing easy right-side entry and exit.



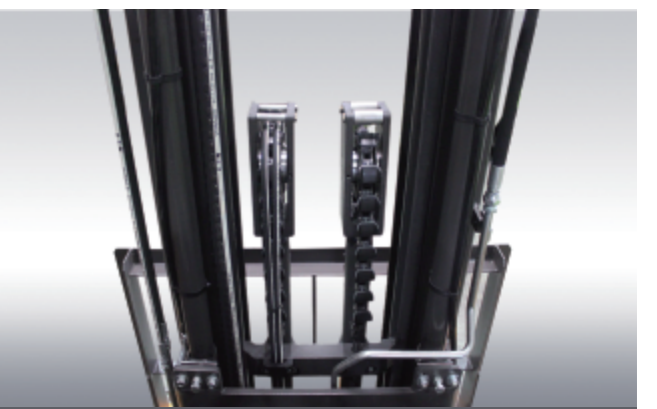
High Efficient Cooling
"Orlandi" radiator system from Italy offers ample reliability by preventing overheating and saving the oil consumption.



Combination Display and USB
LED Display offers useful information, such as the fuel meter, water temperature indicator and hour meters. USB charger and power outlet are special designed for the convenience of operator.



Reliable Component
SHIMADZU pump and valve, EATON oil pipe ensure precise control and durable lifetime.



Outstanding Visibility
Wide-view mast allows operator to see the forks tips in any position, helping to enhance safety and reducing operator fatigue.

Machine Parameters

| Characteristics | | FD20H | FD25H | FD30H | FD35H |
|--------------------------------------|------------|-------------------|-------------------|-------------------|-------------------|
| Power | - | Diesel | Diesel | Diesel | Diesel |
| Rated Capacity | kg | 2000 | 2500 | 3000 | 3500 |
| Load Center | J(mm) | 500 | 500 | 500 | 500 |
| Max. Lifting Height | H1(mm) | 3000 | 3000 | 3000 | 3000 |
| Free Lifting Height | H3(mm) | 135 | 135 | 145 | 160 |
| Fork Size LxWxH | L5xWxT(mm) | 1070x122x40 | 1070x122x40 | 1070x125x45 | 1070x125x50 |
| Mast Tilting Angle Forward/Backward | ° | 6/12 | 6/12 | 6/12 | 6/12 |
| Min. Turning Radius | R1(mm) | 2240 | 2240 | 2410 | 2445 |
| Min. Ground Clearance (mast) | Ra(mm) | 110 | 110 | 120 | 120 |
| Overhead Guard Height | H4(mm) | 2060 | 2060 | 2090 | 2090 |
| Height from Seat to Overhead Guard | mm | 1005 | 1005 | 1005 | 1005 |
| Performance | | | | | |
| Max. Traveling Speed (loaded) | km/h | 19 | 19 | 20 | 20 |
| Max. Lifting Speed (loaded/unloaded) | mm/s | 490/510 | 490/510 | 470/520 | 470/520 |
| Max. Traction/Gradeability (loaded) | kN/% | 17/20 | 17/20 | 18/20 | 18/20 |
| Dimensions | | | | | |
| Overall Length(without fork) | L1(mm) | 2570 | 2570 | 2705 | 2746 |
| Overall Width | W1(mm) | 1160 | 1160 | 1230 | 1230 |
| Mast Lowered Height | H2(mm) | 1990 | 1990 | 2055 | 2095 |
| Mast Extended Height | mm | 4000 | 4000 | 4256 | 4256 |
| Chassis | | | | | |
| Tyre(Front) | - | 7.00-12-12PR | 7.00-12-12PR | 28x9-15-12PR | 28x9-15-12PR |
| Tyre(Rear) | - | 6.00-9-10PR | 6.00-9-10PR | 6.50-10-10PR | 6.50-10-10PR |
| Wheelbase | L2(mm) | 1600 | 1600 | 1700 | 1700 |
| Tread(Front/Rear) | S(mm) | 970/970 | 970/970 | 1000/970 | 1000/970 |
| Curb Weight(Non-load) | kg | 3350 | 3800 | 4350 | 4850 |
| Powertrain | | | | | |
| Battery(Voltage/Capacity) | V/Ah | 12/90 | 12/90 | 12/90 | 12/90 |
| Engine(Model) | - | Isuzu C240 | Isuzu C240 | Isuzu C240 | Isuzu C240 |
| Engine(Rated power) | kW/r.p.m | 34.3/2500 | 34.3/2500 | 34.3/2500 | 34.3/2500 |
| Engine(Rated torque) | Nm/r.p.m | 137.7/1800 | 137.7/1800 | 137.7/1800 | 137.7/1800 |
| Engine(Cylinder amount) | - | 4 | 4 | 4 | 4 |
| Engine(Bore × Stroke) | mm | 86 × 102 | 86 × 102 | 86 × 102 | 86 × 102 |
| Engine(Displacement) | L | 2.369 | 2.369 | 2.369 | 2.369 |
| Fuel Tank Capacity | L | 60 | 60 | 70 | 70 |
| Transmission | - | Electro-hydraulic | Electro-hydraulic | Electro-hydraulic | Electro-hydraulic |
| Working Pressure | MPa | 17.5 | 17.5 | 17.5 | 17.5 |

Remarks: The above parameters are based on 3M duplex standard mast.

Specification of Mast

M-Duplex Standard Mast

| Lifting Height | Capacity | | | | Mast Height | | | | Mast Tilt Angle | | |
|----------------|-------------|------------|------------|------------|---------------|----------------------|---------------|----------------------|-----------------|---------------|----------------------|
| | 2T | 2.5T | 3T | 3.5T | 2T-2.5T | | 3T | | | 3.5T | |
| | Single Tire | | | | Forks Landing | Height with Backrest | Forks Landing | Height with Backrest | | Forks Landing | Height with Backrest |
| mm | kg | kg | kg | kg | mm | mm | mm | mm | mm | mm | ° |
| 2000 | 2000 | 2500 | 3000 | 3500 | 1495 | 3025 | 1565 | 3260 | 1595 | 3265 | 6/12 |
| 2500 | 2000 | 2500 | 3000 | 3500 | 1745 | 3525 | 1815 | 3760 | 1845 | 3765 | 6/12 |
| 3000 | 2000 | 2500 | 3000 | 3500 | 1995 | 4025 | 2065 | 4260 | 2095 | 4265 | 6/12 |
| 3300 | 2000 | 2500 | 3000 | 3500 | 2145 | 4325 | 2215 | 4560 | 2245 | 4565 | 6/12 |
| 3500 | 2000 | 2500 | 3000 | 3500 | 2245 | 4525 | 2315 | 4760 | 2345 | 4765 | 6/12 |
| 3700 | 2000 | 2500 | 3000 | 3500 | 2345 | 4725 | 2415 | 4960 | 2445 | 4965 | 6/12 |
| 4000 | 2000 | 2500 | 3000 | 3500 | 2545 | 5025 | 2615 | 5260 | 2645 | 5265 | 6/12 |
| 4500 | 1800/*1900 | 2200/*2400 | 2600/*3000 | 2850/*3500 | 2795 | 5525 | 2865 | 5760 | 2895 | 5765 | 6/6 *6/12 |
| 5000 | 1300/*1700 | 1450/*2200 | 2100/*2850 | 2400/*3150 | 3045 | 6025 | 3115 | 6260 | 3145 | 6265 | 6/6 *6/6 |
| 5500 | *1500 | *1700 | 1550/*2400 | 1850/*2700 | 3345 | 6525 | 3415 | 6760 | 3445 | 6765 | *3/6 |
| 6000 | *1300 | *1400 | 1100/*2000 | 1400/*2300 | 3595 | 7025 | 3665 | 7260 | 3685 | 7265 | *3/6 |

Remark: * means double front tires.

Z-Duplex Full Free Mast

| Lifting Height | Capacity | | | | Mast Height | | | | Free Lifting Height | | | Mast Tilt Angle | | |
|----------------|-------------|------|------|------|---------------|----------------------|---------------|----------------------|---------------------|----------------------|----------------------|-----------------|------|------|
| | 2T | 2.5T | 3T | 3.5T | 2T-2.5T | | 3T | | 3.5T | | | | | |
| | Single Tire | | | | Forks Landing | Height with Backrest | Forks Landing | Height with Backrest | Forks Landing | Height with Backrest | Height with Backrest | | ° | |
| mm | kg | kg | kg | kg | mm | mm | mm | mm | mm | mm | mm | ° | | |
| 2000 | 2000 | 2500 | 3000 | 3500 | 1495 | 3035 | 1565 | 3275 | 1595 | 3273 | 511 | 337 | 367 | 6/12 |
| 2500 | 2000 | 2500 | 3000 | 3500 | 1745 | 3535 | 1815 | 3775 | 1845 | 3773 | 761 | 587 | 617 | 6/12 |
| 3000 | 2000 | 2500 | 3000 | 3500 | 1995 | 4035 | 2065 | 4275 | 2095 | 4273 | 1011 | 837 | 867 | 6/12 |
| 3300 | 2000 | 2500 | 3000 | 3500 | 2145 | 4335 | 2215 | 4575 | 2245 | 4573 | 1161 | 987 | 1017 | 6/12 |
| 3500 | 2000 | 2500 | 3000 | 3500 | 2245 | 4535 | 2315 | 4775 | 2345 | 4773 | 1261 | 1087 | 1117 | 6/12 |
| 3700 | 2000 | 2500 | 3000 | 3500 | 2345 | 4735 | 2415 | 4975 | 2445 | 4973 | 1361 | 1187 | 1217 | 6/12 |
| 4000 | 2000 | 2500 | 3000 | 3500 | 2545 | 5035 | 2615 | 5275 | 2645 | 5273 | 1561 | 1387 | 1417 | 6/12 |

Remark: The max. lifting height without backrest: 2T-2.5T -420mm; 3T-3.5T -580mm.
The free lifting height without backrest: 2T-2.5T +420mm; 3T-3.5T +580mm.

S-Triplex Full Free Mast

| Lifting Height | Capacity | | | | Mast Height | | | | Free Lifting Height | | | Mast Tilt Angle | | |
|----------------|-------------|------------|------------|------------|---------------|----------------------|---------------|----------------------|---------------------|----------------------|----------------------|-----------------|------|------|
| | 2T | 2.5T | 3T | 3.5T | 2T-2.5T | | 3T | | 3.5T | | | | | |
| | Single Tire | | | | Forks Landing | Height with Backrest | Forks Landing | Height with Backrest | Forks Landing | Height with Backrest | Height with Backrest | | ° | |
| mm | kg | kg | kg | kg | mm | mm | mm | mm | mm | mm | mm | ° | | |
| 3600 | 2000 | 2500 | 3000 | 3350 | 1765 | 4625 | 1830 | 4865 | 1830 | 4870 | 781 | 602 | 607 | 6/6 |
| 4000 | 2000 | 2500 | 3000 | 3350 | 1900 | 5025 | 1965 | 5270 | 1965 | 5275 | 916 | 737 | 742 | 6/6 |
| 4350 | 1870/*2000 | 2370/*2500 | 2870/*3000 | 3270/*3300 | 2015 | 5375 | 2080 | 5615 | 2080 | 5620 | 1031 | 852 | 857 | 6/6 |
| 4500 | 1750/*2000 | 2070/*2500 | 2570/*3000 | 3050/*3300 | 2065 | 5525 | 2130 | 5765 | 2130 | 5770 | 1081 | 902 | 907 | 6/6 |
| 4800 | 1650/*1800 | 1750/*2300 | 2250/*2800 | 2700/*3000 | 2165 | 5825 | 2230 | 6065 | 2230 | 6070 | 1181 | 1002 | 1007 | 6/6 |
| 5000 | 1450/*1650 | 1500/*2150 | 2000/*2650 | 2450/*2850 | 2230 | 6025 | 2295 | 6260 | 2295 | 6265 | 1246 | 1067 | 1072 | 6/6 |
| 5500 | 1100/*1350 | 1200/*1650 | 1550/*2300 | 1850/*2600 | 2395 | 6525 | 2460 | 6755 | 2460 | 6765 | 1411 | 1232 | 1237 | *3/6 |
| 6000 | 800/*1100 | 800/*1300 | 1100/*2100 | 1400/*2350 | 2615 | 7025 | 2680 | 7265 | 2680 | 7270 | 1631 | 1452 | 1457 | *3/6 |

Remark: The max. lifting height without backrest: 2T-2.5T -410mm; 3T-3.5T -580mm.
The free lifting height without backrest: 2T-2.5T +410mm; 3T-3.5T +580mm.
* means double front tires

Optional Attachments



Rotating Roll Clamp



Rotator



Side Shifter



Multi Pallet Handler



Bale Clamp



Push-pull with Sheet Saver

- High-visibility Two Stage Free Lift Mast
- High-visibility Three Stage Free Lift Mast
- Widen Fork Carriage
- Lengthen Fork
- Lengthen Fork Extension

- Carton Clamp
- Hinged Fork/Hinged Bucket
- Paper Roll Clamp
- Block Clamp
- Multi-use Drum Bucket

- Load Stabilizer
- Load Pusher
- Crane Boom
- Crane Jib
- Fork Positioner

Specification Of Optional Engine

| Manufacturer | Drive Type | Model | Displacement(L) | Rated Power/Speed(kW/r.p.m) |
|--------------|--------------|---------|-----------------|-----------------------------|
| XinChai | Diesel | C490 | 2.54 | 37/2650 |
| Nissan | LPG/Gasoline | K25 | 2.488 | 37.4/2300 |
| Isuzu | Diesel | C240 | 2.369 | 34.3/2500 |
| Mitsubishi | Diesel | S4S | 3.331 | 38/2300 |
| PSI | LPG/Gasoline | PSI 2.4 | 2.351 | 47/2700 |

Machine 2D Graph

