Mast Specification

| | | | | | | 2! | 5DE | /LE | -7 | | | | | | | |
|------------------------------|--------|---------------------------|--------------------------------|-----------------------|-----------------|--------------------------|--------|-------|----------------------------------|-------------|-------------|---------------------------|----------------------------|--------|--------|---------|
| | | 1 | Overell | Free Lift Height | | | Tilt / | Angle | Load capacity without Side shift | | | apacity ral Side shift | Truck Weight (Unloaded) | | | |
| Mas | t Type | Maximum Fork Height | Overall Height (Lowered) | With Load Backrest | Without Load | Without Load Backrest | Fwd | Bwd | 500mm LC | 500mm LC | 500mm LC | 500mm LC | Single | e Tire | Doubl | le Tire |
| | | | | backrest | Backrest | (3/4-SPOOL) | | deg | kg | kg | kg | kg | Diesel | LPG | Diesel | LPG |
| | | mm | mm | mm | mm | mm | deg | | | | | | kg | kg | kg | kg |
| _ | *V300 | 3,000 | 2,040 | 155 | | 155 | 6 | 10 | 2,500 | 2,500 | 2,500 | 2,500 | 3,815 | 3,732 | 3,936 | 3,853 |
| mitted ft | V330 | 3,300 | 2,190 | | | | 6 | 10 | 2,500 | 2,500 | 2,490 | 2,500 | 3,835 | 3,752 | 3,956 | 3,873 |
| age Limi Free Lift | V400 | 4,000 | 2,590 | | 155 | | 6 | 10 | 2,500 | 2,500 | 2,360 | 2,440 | 3,904 | 3,821 | 4,025 | 3,942 |
| 2 Stage Limited Free Lift | V450 | 4,500 | 2,890 | | | | 6 | 6 | 2,400 | 2,490 | 2,270 | 2,350 | 3,977 | 3,894 | 4,098 | 4,015 |
| 7 | V500 | 5,000 | 3,140 | | | | | 6 | 6 | 2,310 | 2,400 | 2,190 | 2,260 | 4,014 | 3,931 | 4,135 |
| 7 e | VF295 | 2,950 | 2,040 | 860 | 1,314 | 1,314 | 6 | 6 | 2,500 | 2,500 | 2,500 | 2,500 | 3,851 | 3,768 | 3,972 | 3,889 |
| 2 Stage Full Free Lift | VF325 | 3,250 | 2,190 | 1,010 | 1,464 | 1,464 | 6 | 6 | 2,500 | 2,500 | 2,480 | 2,500 | 3,884 | 3,801 | 4,005 | 3,922 |
| 2 St Fr | VF345 | 3,450 | 2,290 | 1,110 | 1,564 | 1,564 | 6 | 6 | 2,500 | 2,500 | 2,450 | 2,500 | 3,914 | 3,831 | 4,035 | 3,952 |
| | TF430 | 4,300 | 2,040 | 860 | 1,314 | 1,175 | 6 | 6 | 2,430 | 2,500 | 2,290 | 2,370 | 3,983 | 3,900 | 4,104 | 4,021 |
| | TF450 | 4,500 | 2,140 | 960 | 1,414 | 1,325 | 6 | 6 | 2,390 | 2,470 | 2,250 | 2,330 | 4,005 | 3,922 | 4,126 | 4,043 |
| 3 Stage Full Free Lift | TF470 | 4,700 | 2,190 | 1,010 | 1,464 | 1,325 | 6 | 6 | 2,360 | 2,430 | 2,220 | 2,300 | 4,019 | 3,936 | 4,140 | 4,057 |
| Stag Free | TF500 | 5,000 | 2,290 | 1,110 | 1,564 | 1,425 | 6 | 6 | 2,310 | 2,380 | 2,170 | 2,250 | 4,041 | 3,958 | 4,162 | 4,079 |
| m | TF550 | 5,500 | 2,490 | 1,310 | 1,764 | 1,780 | 6 | 6 | 2,230 | 2,290 | 2,090 | 2,170 | 4,145 | 4,062 | 4,266 | 4,183 |
| | TF600 | 6,000 | 2,690 | 1,510 | 1,964 | 1,875 | 6 | 6 | 2,150 | 2,200 | 2,010 | 2,090 | 4,145 | 4,062 | 4266 | 4,183 |

| | | | | | | 3 | ODE | /LE | -7 | | | | | | | | | | | | |
|----------------------------|--------|---------------------------|--------------------------------|-----------------------|-----------------|--------------------------|--------|-------|-------------|-----------------------|-------------|---------------------------|--------------|--------|-----------------|---------|-------|-------|-------|-------|-------|
| | | Massiassas | Overell | | Free Lift Hei | ght | Tilt / | Angle | | apacity Side shift | | apacity ral Side shift | | | Weight aded) | | | | | | |
| Mas | t Type | Maximum Fork Height | Overall Height (Lowered) | With Load Backrest | Without Load | Without Load Backrest | Fwd | Bwd | 500mm LC | 500mm LC | 500mm LC | 500mm LC | Single | e Tire | Doub | le Tire | | | | | |
| r | | | | DdCKI est | Backrest | (3/4-SPOOL) | deg | deg | kg | kg | kg | kg | Diesel kg | LPG | Diesel | LPG | | | | | |
| | | mm | mm | mm | mm | mm | | | | | | | | kg | kg | kg | | | | | |
| _ | *V300 | 3,000 | 2,040 | 155 | | 155 | 6 | 10 | 3,000 | 3,000 | 3,000 | 3,000 | 4,223 | 4,139 | 4,344 | 4,260 | | | | | |
| Stage Limited Free Lift | V350 | 3,300 | 2,190 | | | | 6 | 10 | 3,000 | 3,000 | 2,950 | 3,000 | 4,244 | 4,160 | 4,365 | 4,281 | | | | | |
| age Limi Free Lift | V400 | 4,000 | 2,590 | | 155 | | 6 | 10 | 2,970 | 3,000 | 2,790 | 2,870 | 4,315 | 4,231 | 4,436 | 4,352 | | | | | |
| Stag | V450 | 4,500 | 2,890 | | | | 6 | 6 | 2,850 | 2,940 | 2,680 | 2,760 | 4,390 | 4,306 | 4,511 | 4,427 | | | | | |
| 2 | V500 | 5,000 | 3,140 | | | | | | | | | | 6 | 6 | 2,750 | 2,830 | 2,590 | 2,660 | 4,428 | 4,344 | 4,549 |
| 7 ± | VF295 | 2,950 | 2,040 | 860 | 1,314 | 1,314 | 6 | 6 | 3,000 | 3,000 | 3,000 | 3,000 | 4,281 | 4,197 | 4,402 | 4,318 | | | | | |
| 2 Stage Full Free Lift | VF325 | 3,250 | 2,190 | 1,010 | 1,464 | 1,464 | 6 | 6 | 3,000 | 3,000 | 2,950 | 3,000 | 4,316 | 4,232 | 4,437 | 4,353 | | | | | |
| 2 St | VF345 | 3,450 | 2,290 | 1,110 | 1,564 | 1,564 | 6 | 6 | 3,000 | 3,000 | 2,870 | 2,960 | 4,346 | 4,262 | 4,467 | 4,383 | | | | | |
| | TF430 | 4,300 | 2,040 | 860 | 1,314 | 1,175 | 6 | 6 | 2,850 | 2,940 | 2,690 | 2,760 | 4,437 | 4,353 | 4,558 | 4,474 | | | | | |
| _ | TF450 | 4,500 | 2,140 | 960 | 1,414 | 1,325 | 6 | 6 | 2,800 | 2,890 | 2,650 | 2,720 | 4,462 | 4,378 | 4,583 | 4,499 | | | | | |
| 3 Stage Full Free Lift | TF470 | 4,700 | 2,190 | 1,010 | 1,464 | 1,325 | 6 | 6 | 2,760 | 2,850 | 2,610 | 2,680 | 4,476 | 4,392 | 4,597 | 4,513 | | | | | |
| Stag | TF500 | 5,000 | 2,290 | 1,110 | 1,564 | 1,425 | 6 | 6 | 2,700 | 2,790 | 2,550 | 2,620 | 4,499 | 4,415 | 4,620 | 4,536 | | | | | |
| m | TF550 | 5,500 | 2,490 | 1,310 | 1,764 | 1,780 | 6 | 6 | 2,600 | 2,690 | 2,460 | 2,520 | 4,551 | 4,467 | 4,672 | 4,588 | | | | | |
| | TF600 | 6.000 | 2.690 | 1510 | 1.964 | 1.875 | 6 | 6 | 1.960 | 2.590 | 1.850 | 2.430 | 4613 | 4529 | 4.734 | 4.650 | | | | | |

| | | | | | | 3! | 5DE | /LE | -7 | | | | | | | |
|------------------------------|--------|---------------------------|---------------------|-----------------------|-----------------|--------------------------|--------|-------|-------------|-----------------------|-------------|-------------|----------------------------|--------|--------|---------|
| | | | Overall | | Free Lift Hei | ght | Tilt / | Angle | | apacity Side shift | Load o | | Truck Weight (Unloaded) | | | |
| Mas | t Type | Maximum Fork Height | Height (Lowered) | With Load Backrest | Without Load | Without Load Backrest | Fwd | Bwd | 500mm LC | 500mm LC | 500mm LC | 500mm LC | Single | e Tire | Doubl | le Tire |
| | | | | bacia est | Backrest | (3/4-SPOOL) | | | | | LC. | LC. | Diesel | LPG | Diesel | LPG |
| | | | mm | mm | mm | mm | deg | deg | kg | kg | kg | kg | kg | kg | kg | kg |
| _ | *V300 | 3,000 | 2,040 | 155 | | 155 | 6 | 10 | 3,500 | 3,500 | 3,500 | 3,500 | 4,595 | 4,512 | 4,716 | 4,633 |
| 2 Stage Limited Free Lift | V350 | 3,300 | 2,190 | | | | 6 | 10 | 3,500 | 3,500 | 3,380 | 3,470 | 4,616 | 4,533 | 4,737 | 4,671 |
| tage Limit Free Lift | V400 | 4,000 | 2,590 | | 155 | | 6 | 10 | 3,500 | 3,500 | 3,270 | 3,350 | 4,687 | 4,604 | 4,808 | 4,725 |
| Stag | V450 | 4,500 | 2,890 | | | | 6 | 6 | 3,330 | 3,420 | 3,140 | 3,220 | 4,762 | 4,679 | 4,883 | 4,800 |
| 7 | V500 | 5,000 | 3,140 | | | | 6 | 6 | 3,210 | 3,290 | 3,030 | 3,100 | 4,800 | 4,717 | 4,921 | 4,838 |
| .⊒. + | VF295 | 2,950 | 2,040 | 860 | 1,314 | 1,314 | 6 | 6 | 3,500 | 3,500 | 3,500 | 3,500 | 4,653 | 4570 | 4,774 | 4,691 |
| 2 Stage Full Free Lift | VF325 | 3,250 | 2,190 | 1,010 | 1,464 | 1,464 | 6 | 6 | 3,500 | 3,500 | 3,410 | 3,500 | 4,688 | 4,605 | 4,809 | 4,726 |
| 2.St | VF345 | 3,450 | 2,290 | 1,110 | 1,564 | 1,564 | 6 | 6 | 3,500 | 3,500 | 3,360 | 3,440 | 4,718 | 4,635 | 4,839 | 4,756 |
| | TF430 | 4,300 | 2,040 | 860 | 1,314 | 1,175 | 6 | 6 | 3,320 | 3,410 | 3,140 | 3,210 | 4,809 | 4,726 | 4,930 | 4,847 |
| _ | TF450 | 4,500 | 2,140 | 960 | 1,414 | 1,325 | 6 | 6 | 3,270 | 3,360 | 3,090 | 3,160 | 4,834 | 4,751 | 4,955 | 4,872 |
| S Stage Full Free Lift | TF470 | 4,700 | 2,190 | 1,010 | 1,464 | 1,325 | 6 | 6 | 3,220 | 3,310 | 3,050 | 3,120 | 4,848 | 4,765 | 4,969 | 4,886 |
| Stag | TF500 | 5,000 | 2,290 | 1,110 | 1,564 | 1,425 | 6 | 6 | 3,150 | 3,240 | 2,990 | 3,050 | 4,871 | 4,788 | 4,992 | 4,909 |
| m | TF550 | 5,500 | 2,490 | 1,310 | 1,764 | 1,780 | 6 | 6 | 2,820 | 3,120 | 2,690 | 3,940 | 4,923 | 4,840 | 5,044 | 4,961 |
| | TF600 | 6,000 | 2,690 | 1,510 | 1,964 | 1,875 | 6 | 6 | 1,810 | 3,010 | 1,700 | 2,830 | 4,985 | 4,902 | 5,106 | 5,023 |

* : Standard





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25/30/ **35DE/LE-7**

Internal Combustion Diesel, LPG Engine Forklift Truck



Low fuel consumption as well as high durability!

Try excellent cost-effectiveness unique to 35DE/LE-7

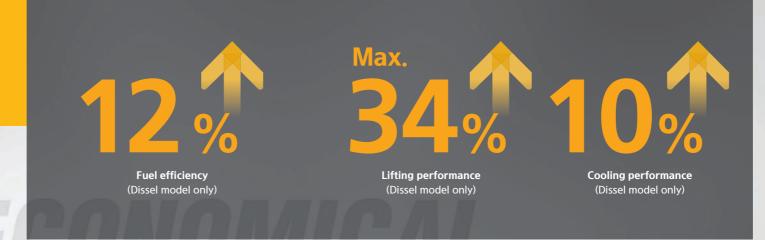
PRODUCT FEATURESOVERVIEW

PERFORMANCE UP

- Dramatic TCO saving Fuel efficiency increased by 12%, Lift performance improved by 34%
- Cooling performance improved by 10% Reliability and durability of power train improved
- Engines from Mitsubishi and Nissan with confirmed capability, durability, and cost – effectiveness in the markets
- Transaxle with capability and durability applicable to heavy-duty operating environments
- Fully hydraulic steering system characterized by easy operation and agile, precise response

SAFETY UP

- LED working lamp guaranteeing clear field of vision during operation indoors and at night
- Operator Position Sensing System (OPSS) Limiting driving, lifting, and tilting Option
- Ensuring a wide rear field of view –
 Panorama, RH and LH side mirrors applied by default
- Fork safety feature Maintaining safety in case of rupture of mast hydraulic line during operation
- Rear grip bar & horn guaranteeing convenience and safety of driving during backward movement Option





CONVENIENCE UP

- Cockpit design by applying ergonomic design providing consistent comfort
- MCV lever with deck-mounted structure to minimize movement of the driver's arms
- Hood insulation reducing noise and heat introduced into the cockpit
- Grammer full-suspension deluxe seat including cushion-height adjustment function Option
- Standard tile cylinder cover for keeping the leg room clean, preventing the inflow of dust into the cockpit during cabin mounting
- Polyurethane floor mat reducing vibration and noise to the operator

SERVICE UP

- Side cover and floor plate with tool-less structure to reduce operating hours
- Mission controller and filter mounted on top of transmission
- Plastic sub-bonnet configuration exclusive for radiator maintenance
- Fuse box in automobile style arranged on the front of the dashboard considering the frequent maintenance jobs
- Configuring the rear cover by default for preventing the inflow of foreign substances into the bottom of the engine radiator
- LPG balance alarm system by making use of the pressure difference inside the tank

 Option



Engine qualified in terms of reliability and cost-effectiveness in the markets

S4S Engine & GK25 Engine are the main stream engines chosen by a number of forklift truck makers leading the forklift truck markets and are products qualified in terms of reliability and cost-effectiveness as well as serviceability.

- **1** S4S Diesel Engine: EU emission Stage 3A, Turkey emission Regulation R96 have been satisfied.
- Q GK25 LPG Engine : Low fuel consumption, less noise and vibration and installer IMPCO LPG fuel
 - * Bi-Fuel (Gasoline/LPG) Option



| | S4S Diesel Engine | GK25 LPG Engine |
|-----------------------|-------------------|-----------------|
| Engine Power (kw/rpm) | 35.3/2,250 | 35.0/2,550 |
| Max Torque (kg·m/rpm) | 18.0/1,700 | 1.7/1,600 |
| Displacement (cc) | 3,331 | 2,488 |

Transaxle with high durability and environmental adaptability

High capacity clutch pack and torque converter with high torque conversion efficiency is applied to the transmission of power shift mode of single gears forward and backward to perform successfully the heavy-duty operation with push mode and driving on poor roads. Axle applied with technologies of TCM demonstrates high durability and braking power and employs shoe brake with low maintenance cost.

TCO saving - Higher fuel efficiency

Applying engine in a size sufficient for flexible operation in case of variation of loads with top power and displacement among the same class and optimized design for mast operation speed improves the fuel efficiency of the diesel-engine forklift truck up to 10%; thus dramatically improving TCO.



Heat dissipation capability - Improved power train reliability

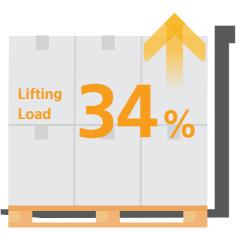
The heat dissipation capability of transmission is improved by 10% by applying aluminum radiator with high durability and heat dissipation capability, and the cooling fan consists of seven blades that yield the effects of reducing engine noise and increasing air-blowing mass.





Optimized mast operation speed

Mast operation capability is significantly improved compared to competing models by combining the load sensing function of optimized priority valve and the highest torque of engine among competing models, with design features such as low and stable center of gravity of the body.



At Loaded

Fully hydraulic power steering

Fully hydraulic power steering without mechanical linkage between steering wheel and steering cylinder and boosting of operability of the wheel by the hydraulic pump reduce the work fatigue of the operator with easy steering operation and agile, secure response.





SAFETY & CONVENIENCE

Utmost importance of safety and convenient operation

Diverse incident prevention functions and consistent convenience are provided



As a very important space for ensuring operation convenience and safety, the cockpit is equipped with ergonomic features such as **1** cluster with wide visibility, position-adjustable steering wheel and seat, deck-mounted MCV lever, prompt and responsive pedal, and wide working visibility.

Deck Mount MCV lever

The deck-mounted MCV lever has a feature that reduces movements of the arms of the operator compared to the dashboard-mounted type. In addition, the levers are arranged in the radial direction around the elbow to improve convenience of operation further.



Hood insulation & floor mat

The insulation inside the hood reduces heat and noise from the engine to the cockpit. Furthermore, the polyurethane-foam floor mat reduces vibration and noise from the truck body to provide a pleasant operating environment.



Safety - Lamp & Mirror

LED work lamp and turn signals are installed by default to ensure brighter field of vision and guidance of movement direction of forklift truck during operation in dark indoor space and at night. Panorama and RH and LH side mirrors are mounted by default to secure rear field of vision of operation.

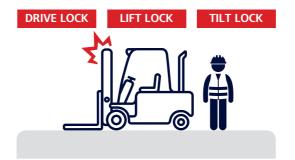




* Beacon lamp is optional.

Operator presence sensing system Option

The OPSS restricts driving, lifting, and tilting in when the operator leaves the driver's seat in order to prevent safety accidents.



Fork safety features

As the forks are being lowered, a down-control valve maintains a controlled descent speed. The down-safety valve prevents forks from dropping down in case of sudden damage of hydraulic line.



Rear Grip Bar & Horn Option

The rear steering wheel with horn embedded allows the driver to keep a stable, convenient posture during rear driving and operate the horn rapidly without changing the driving posture in case of an emergency situation.



Grammer Seat Option

The full suspension seat of Grammer of Germany has an adjustable cushion depending on the weight of the driver, and convenience specifications such as seat belt switch, arm rests, and heater are optional.



* Semi-suspension seat is applied by default.

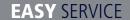
Various electric interlocks

Parking electric interlock

Operation of forklift truck is limited when applying the parking brake to prevent safety accidents that may take place due to the unintended operation of forward/backward levers by the operator.

Engine Starting at Neutral Position

The engine will start only with the forward and reverse levers kept at neutral positions to prevent safety accidents that may take place when starting the engine with such levers kept at forward or reverse positions.



MAINTENANCE

Easy maintenance, cost-effective service

Stay satisfied even after completing your work



Transmission maintenance

A large work space is provided for the follow-up management of consumables and major functional parts when you remove the engine compartment cover supported with two gas springs tool-less type side cover and floor plate.

Detachable radiator cover

As the major functional parts of transmission, the control valve and filter are mounted on top of transmission to reduce the maintenance hours. Transmission is accessible when removing the engine hood and floor plate of tool-





Snorkel type air intake & Dual element

Snorkel-type air intake structure and large-capacity air cleaner measuring 6" are applied to keep the inflow of dusts from the ground into the air cleaner during operation, thereby extending the maintenance interval of the air cleaner.





Brake oil reservoir

Oil reservoir is mounted on top of the dashboard for the convenient management of brake oil, which should be frequently inspected and made up for safe operation.



Centralized fuse holders

Fuse is an item demanding the most frequent maintenance works among the components of the electric system of the forklift truck. All of the fuses are centralized on the front of the dashboard for convenient inspection and replacement of fuses.



Standard & Option

| | Part | All |
|-------------------|---------------------------------------|-----|
| | Mitsubishi S4S Diesel Engine | • |
| | F1/R1 Power shift Transaxle | • |
| | Hydraulic Power Steering | • |
| POWER | Vertical Muffler | 0 |
| TRAIN & | Nissan K25 LPG Engine | • |
| CHASSIS | Bi-Fuel | 0 |
| | LPG Clamp - Swing Out, Swing Down | 0 |
| | LPG Empty Alarm | 0 |
| | LPG Tank | 0 |
| | Head Guard(2075mm) | • |
| | Cabin | 0 |
| | Cabin Top, Front + Rear + Top + Wiper | 0 |
| 0050471011 | Air con, Heater | 0 |
| OPERATION ROOM | Hood Insulation | • |
| ROOM | Convenience Tray | • |
| | Semi Suspension Seat + Belt | • |
| | Suspension(Grammer) Seat + Belt | 0 |
| | Panorama Mirror + RH,LH Side Mirror | • |
| SAFFTY | OPSS - Drive , Drive + Mast | 0 |
| SAFELY | Fire Extinguishers(1.0kg) | 0 |

| 2 Stage Standard mast(3000mm) | |
|---|---|
| 2 stage standard mastersonmy | _ |
| Various Option Mast - 2, 3 Stage | 0 |
| 1070mm(2.5Ton), 1050mm(3.0/3.5 Ton) Fork | • |
| MAST & Various Option Fork(1200 ~2120mm) | 0 |
| .TTACHMENT Carriage - Hook(1100mm) | • |
| Carriage - Hook Wide(1400mm) : Double Tire | 0 |
| Integral S/S, Integral S/S+ Fork Positioner | 0 |
| Side Shifter, Hinged Bucket, Rotating Fork, Paper Roll Clamp | 0 |
| HYDRAULICS MCV 2 Spool | • |
| MCV 3, 4 Spool | 0 |
| Single Pneumatic | • |
| TIRE Double Pneumatic | 0 |
| Solid, Non marking Tire - Single/Double | 0 |
| LED Working Lamp - Front | • |
| VISIBILITY LED Working Lamp - Rear | 0 |
| Turn Signal Lamp | • |
| Beacon Lamp | 0 |
| ONVENIENCE Load sensor | 0 |
| Rear Horn & Grip Bar | 0 |
| OTHERS Rear Tire Cover | • |

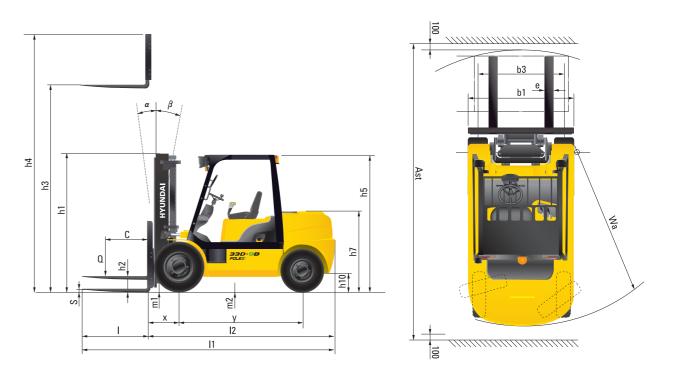
• STD / O OPT

Specification

| IDEN [*] | TIFICATION | | | | | | | |
|-------------------|---|------------|---------------------|---------------------|---------------------|--------------------|----------------------|----------------------|
| 1,1 | Manufacturer | | | Hvu | ındai | | | |
| 1.2 | Manufacturer's type designation | | 25DE-7 | 30DE-7 | 35DE-7 | 25LE-7 | 30LE-7 | 35LE-7 |
| 1.3 | Drive: electric(battery or mains),diesel,petrol,fuel gas | manual | DIESEL | DIESEL | DIESEL | LPG | LPG | LPG |
| | Type of operation:hand,pedestrian,standing,seated, | , | | | | | | |
| 1.4 | order-picker | | seated | seated | seated | seated | seated | seated |
| 1.5 | Load capacity / rated load | kg | 2,500 | 3,000 | 3,500 | 2,500 | 3,000 | 3,500 |
| 1.6 | Load center distance | c mm | 500 | 500 | 500 | 500 | 500 | 500 |
| 1.8 | Load distance, center of drive axle to fork | x mm | 473 | 473 | 473 | 473 | 473 | 473 |
| 1.9 | Wheelbase | y mm | 1,650 | 1,700 | 1,700 | 1,650 | 1,700 | 1,700 |
| WEIG | HTS | | | | | | | |
| | | lea | 3.015 | 4222 | 4.505 | 2.722 | 4120 | 4 512 |
| 2.1 | Service weight(including battery) Axle loading, loaded front | kg | 3,815 5525 | 4,223 | 4,595 | 3,732 5503 | 4,139 | 4,512 |
| 2,2 | Axle loading, loaded from | kg | 751 | 6371 852 | 7057 1037 | 729 | 6293 846 | 6979 1033 |
| 2.3 | Axle loading, loaded rear Axle loading, unloaded front | kg kg | 1614 | 1654 | 1553 | 1529 | 1576 | 1476 |
| 2.3 | Axle loading, unloaded from | kg | 2201 | 2569 | 3042 | 2203 | 2563 | 3037 |
| | | N9 | 2201 | 2309 | 3042 | 2203 | 2303 | 3037 |
| WHE | ELS, CHASSIS | | | | | | | |
| 3.1 | Tires:solid rubber, superelastic, pneumatic, polyurethane | | Pneumatic | Pneumatic | Pneumatic | Pneumatic | Pneumatic | Pneumatic |
| 3.2 | Tires size, front | | 28X9-15-14PR | 28X9-15-14PR | 28X9-15-14PR | 28X9-15-14PR | 28X9-15-14PR | 28X9-15-14P |
| 3.3 | Tires size, rear | | 6.00-9-10PR | 6.50-10-10PR | 6.50-10-10PR | 6.00-9-10PR | 6.50-10-10PR | 6.50-10-10P |
| 3.5 | Wheels, number front x rear (x=driven wheels) | | 2x2 | 2x2 | 2x2 | 2x2 | 2x2 | 2x2 |
| 3.6 | Track width, front | mm | 1005 | 1,005 | 1,005 | 1005 | 1,005 | 1,005 |
| 3.7 | Track width, rear | mm | 980 | 980 | 980 | 980 | 980 | 980 |
| BASI | CDIMENSIONS | | | | | | | |
| 4.1 | Mast / fork carriage tilt forward / backward | degrees | 6 / 10 | 6 / 10 | 6 / 10 | 6 / 10 | 6 / 10 | 6 / 10 |
| 4.1 | Lowered mast height | h1 (mm) | 2,040 | 2,040 | 2,040 | 2,040 | 2,040 | 2,040 |
| 4.2 | Free lift | h2 (mm) | 150 | 155 | 155 | 150 | 155 | 155 |
| 4.4 | Lift height | h3 (mm) | 3,005 | 3,005 | 3,005 | 3,005 | 3,005 | 3,005 |
| 4.5 | Extended mast height | h4 (mm) | 3,465 | 3,465 | 3,465 | 3,465 | 3,465 | 3,465 |
| 4.7 | Overhead load guard(cab) height | h5 (mm) | 2,170 | 2,170 | 2,170 | 2,170 | 2,170 | 2,170 |
| 4.8 | Seat height / standing height | h7 (mm) | 1,186 | 1,186 | 1,186 | 1,186 | 1,186 | 1,186 |
| 4.12 | Coupling height | h10 (mm) | 283 | 299 | 299 | 283 | 299 | 299 |
| 4.19 | Overall length | I1 (mm) | 3,685 | 3,740 | 3,815 | 3,685 | 3,740 | 3,815 |
| 4.20 | Length to face of forks | I2 (mm) | 2,635 | 2,690 | 2,765 | 2,635 | 2,690 | 2,765 |
| 4.21 | Overall width | b1 (mm) | 1,220 | 1,220 | 1,220 | 1,220 | 1,220 | 1,220 |
| 4.22 | Fork dimensions(hook type) | Ixexs (mm) | 1,050×100×45 | 1,050×125×45 | 1,050×125×45 | 1,050×100×45 | 1,050×125×45 | 1,050x125x4 |
| 4.23 | Fork carriage ISO 2328, class / type A,B | | II/A | III / A | III / A | II/A | III / A | III / A |
| 4.24 | Fork-carriage width | b3 (mm) | 1,102 | 1,102 | 1,102 | 1,102 | 1,102 | 1,102 |
| 4.31 | Ground clearance, loaded, under mast | m1 (mm) | 145 | 145 | 145 | 145 | 145 | 145 |
| 4.32 | Ground clearance, centre of wheelbase | m2 (mm) | 189 | 189 | 189 | 189 | 189 | 189 |
| 4.33 | Aisle width for pallets 1,000x1,200 crossways(LxW) | Ast (mm) | 3,981 | 4,066 | 4,102 | 3,981 | 4,066 | 4,102 |
| 4.34 | Aisle width for pallets 800x1,200 lengthways(WxL) | Ast (mm) | 4,181 | 4,266 | 4,302 | 4,181 | 4,266 | 4,302 |
| 4.35 | Turning radius | Wa (mm) | 2,310 | 2,395 | 2,430 | 2,310 | 2,395 | 2,430 |
| PERF | ORMANCE DATA | | | | | | | |
| 5.1 | | lem/h | 16/1E E | 16/1E | 16/1E | 16 E/16 | 16 5/1E E | 16 5 115 7 |
| 5.1 | Travel speed, unloaded Lift speed, loaded/ unloaded | km/h | 16/15.5 550/660 | 16/15 450/550 | 16/15 450/550 | 16.5/16 500/600 | 16.5/15.5 420/500 | 16.5/15.5 420/500 |
| 5.2 | Lim speed, loaded/ unloaded Lowering speed, loaded/unloaded | mm/s | 580/460 | 480/350 | 480/350 | 550/450 | 480/380 | 480/380 |
| 5.3 | Max. Drawbar pull, loaded | mm/s | 19,276 | 19,325 | 19,355 | 18,640 | 18,680 | 18,708 |
| 5.8 | Max. Gradeability, loaded | % (°) | 29 | 25 | 19,533 | 28 | 24.5 | 22 |
| 5.10 | Service brake | 70 () | Drum brake | Drum brake | Drum brake | Drum brake | Drum brake | Drum brake |
| | | | Didili blake | 1 prairi prake | Di dilli bi ake | Didili blake | Di alli bi are | Diam Diake |
| ENGI | NE | | | | | | | |
| 7.1 | Engine manufacturer / type | | MITSUBISHI / S4S | MITSUBISHI / S4S | MITSUBISHI / S4S | NISSAN | NISSAN | NISSAN |
| 7.2 | Engine power acc. to ISO 1585 | kW/rpm | 35.3/2,250 | 35.3/2,250 | 35.3/2,250 | 35/2,550 | 35/2,550 | 35/2,550 |
| 7.3 | Maximum torque | kgf,m/rpm | 18.0/1,700 | 18.0/1,700 | 18.0/1,700 | 17.7/1,600 | 17.7/1,600 | 17.7/1,600 |
| 7.4 | No. of cylinder / cubic capacity | EA/cc | 4/3,331 | 4/3,331 | 4/3,331 | 4/2,488 | 4/2,488 | 4/2,488 |
| 7.5 | Oil volume | Q | 6.5 | 6.5 | 6.5 | 3.5 | 3.5 | 3.5 |
| OTHE | R DETAILS | | | | | | | |
| 8.1 | Operating pressure(system / attach) | bar | 210/160 | 210/160 | 210/160 | 210/160 | 210/160 | 210/160 |
| 8.2 | Attach oil volume | Q | 30 (60 MAX.) | 30 (60 MAX.) | 30 (60 MAX.) | 30 (60 MAX.) | 30 (60 MAX.) | 30 (60 MAX |
| J.Z | / reaction volume | | 30 (00 IVIAN.) | JO (00 IVI/V) | 30 (30 IVIAN.) | JU (JU 1417/1.) | 30 (00 IVIAN.) | 20 (00 IVIAX |

35DE/LE-7

Dimension



Load Capacity

