


■ Some of the photos may include optional equipment.

MOVING YOU FURTHER

HYUNDAI MATERIAL HANDLING Applied Tier 4 Engine

# 35L/40L/45L/50L-7A

HYUNDAI
MATERIAL HANDLING

HYUNDAI
MATERIAL HANDLING
**Head Office (Sales office)**
First tower, 55, Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea

PLEASE CONTACT

www.hyundai-mh.com 2020.07 Rev. 11

# NEW criteria

## of Forklift Trucks

Hyundai introduces a new line of 7A series LPG forklift trucks.
Excellent power and performance make your business more profitable.




### OPSS (Operator Presence Sensing System)

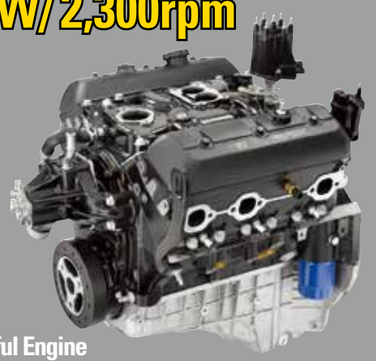
Control of mast tilting, lifting and lowering is not possible through operation of the appropriate control when the operator is not in the seated position.

■ Some of the photos may include optional equipment.

# *The new master on the job-site!*

Smooth running, efficient and ergonomically designed, 35/40/45/50L-7A series are made to meet your needs.

## 77kW/2,300rpm



Powerful Engine

## GM 4.3L V6 Engine

Market approved quality of GM 4.3L V6 engine ensures incomparable performance, durability and additional valu to the machine. Powerful and efficient engine provides excellent fuel economy and excellent torque for improvec operation.
(EPA/CARB Tier-Ⅳ Certified)

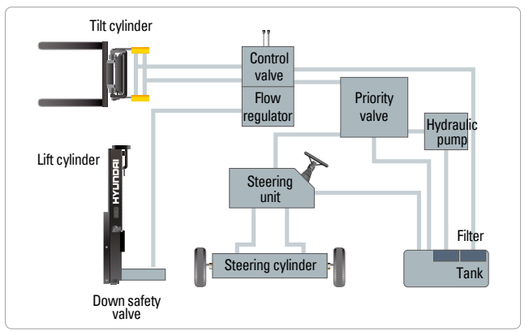


### Fast and Stable Performance

Being able to quickly raise and lower the mast, as well as tilt it forwa and backward, provides the best operational conditions during unloading.
When the truck is fully loaded, mast lowering speed is carefully controlled to ensure safety by the down control valve .
Mast(Lift and Tilt) Look System is standard.




■ Some of the photos may include optional equipment.




### State-of-the-art Hydraulic System

The latest large-capacity hydraulic system reacts quickly during operation, and a low-noise control valve increases both efficiency and durability.



### Fully Hydrostatic Power Steering

A hydraulic steering system always guarantees smooth and flexible steering, preventing overrun and kick-back.




### Increased Mast Tilting Angle

Utilizing the mast tilting angle of 8 degrees forward and 10 degrees backward, the operator can safely and rapidly perform loading and unloading jobs.

### Faster Travel Speed & Better Gradability

The powerful high-output engine provides greater acceleration, better gradability and faster travel speed on any tough terrains or slopes.



### Gradability(Loaded)

35L-7A : 40.5%  45L-7A : 31.2%
40L-7A : 35.8%  50L-7A : 28.6%

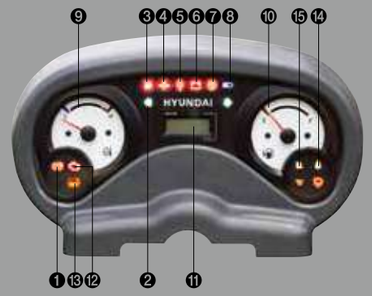
### Travel Speed(Unloaded)

35L-7A : 23.7 km/h
40L-7A : 22.9 km/h
45L-7A : 22.9 km/h
50L-7A : 22.8 km/h

# *Ergonomic operator friendly compartment design!*

A design based on human engineering relieves fatigue and increases operator's efficiency.

## Operator Friendly Gauges and Water-resistant Monitor Panel




1. Parking brake lamp
2. Directional indicators
3. Fuel warning lamp
4. Engine oil warning lamp
5. Transmission oil temperature warning lamp
6. Battery charging warning lamp
7. Air cleaner filter warning light
8. Working light indicator
9. Water temperature gauge
10. Fuel gauge
11. Hour meter
12. Engine check lamp
13. Brake oil warning lamp
14. Seat belt warning
15. OPS warning (option)



## New High Visibility for Safe Operation

The operator is able to work with increased safety and accuracy due to a wider view mast.

## Full suspension seat

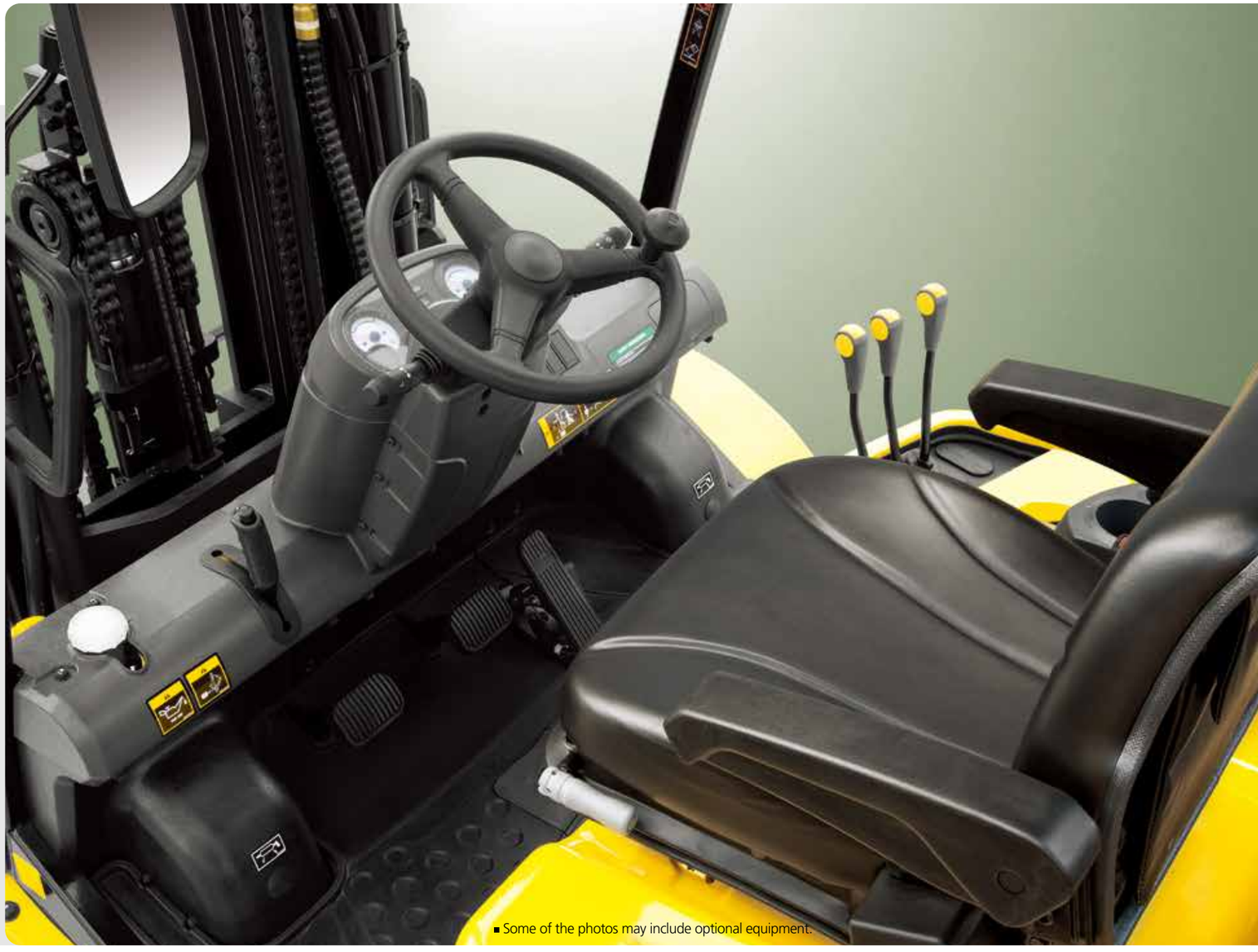


An attractive and adjustable seat, based on a human engineering design, provides great comfort, safety and durability.

## Grammer Seat (Option)



- Quick Achievement of the Ergonomically Best Sitting Position
- Asymmetrical Backrest
- Movable Armrests - Seat Heating
- Practical Document Box



■ Some of the photos may include optional equipment.



## Ergonomically Positioned Pedals

Based on human engineering, the accelerator, brake and inching pedals are optimally positioned for convenience while operating the equipment.



## Cup Holder & Console Box

Additional storage spaces are located inside the operating space for operator's convenience.



## Quick Response of Operating Control Levers

Only minimal operator's effort is required for precise, safe and productive control.




## Adjustable Steering Wheel

Steering wheel with horn button can be adjusted by a lever on the right-hand side for the most comfortable operator position.



## Easy and Safe Shift Lever

A single lever on the left side of the steering column gives the operator fast, easy control of direction. The lever must be in the neutral position before the engine can be started.



## Secondary Horn

Secondary Horn gives access to lights and horn.

# *Danger-free through high durability!*

Safety and durability are priorities in design of the equipment.



### Strong Overhead Guard
The safety overhead guard meets ISO 6055 regulation and protects the operator during hazardous jobs.



### Parking brake
Ratchet type parking brake requires less effort the operator to set.



### Highly Durable Split type Drive Axle
The planetary reduction drive axle smoothly delivers desired torque to the drive wheels.




■ Some of the photos may include optional equipment.







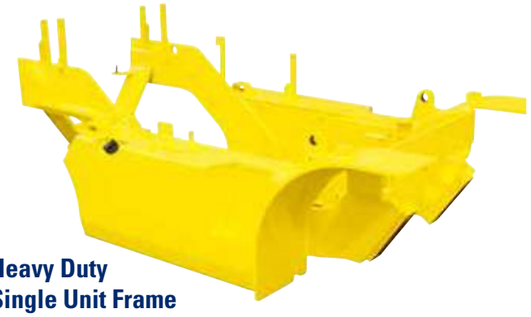

### Large Footboard & Hand Grip
Wide"open"step offers convenience and safety when entering and exiting truck.



### Expansion Bellows
The expansion bellows absorbs vibration and reduces noise generated from the exhaust system and also extends the life cycle of exhaust system.



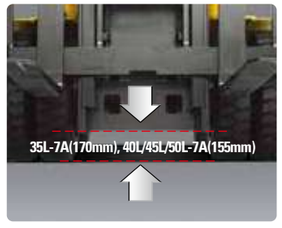
### Electrically Monitored Air Filter
Air cleaner sensor alerts the operator of a restricted air filter and allows replacement before damage.



### Heavy Duty Single Unit Frame
Heavy duty single unit type frame, designed on the basis of accurate structural analysis, guarantees durability and safety.



### Bright, Protected Headlights
Bright, Protected head lights are positioned for exceptional visibility.




### Ground Clearance
The engine and transmission are assembled horizontally and positioned high in the frame to protect major components during operation on rugged surface.

# *Designed for quick and easy service!*

An ideal arrangement of component parts ensures easy access and convenience for maintenance.



### Easy Change Air Cleaner
The air filter is readily accessible for cleaning or replacement. (6inch Cyclone Type)



### Fast Service Access for Daily Fluids Check





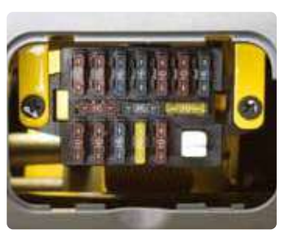
### Easy access of electrical Components
Various electric parts are centralized in dash board resulting in improvement
in maintenace.



### Easy Maintenance Oil Check
The T/M oil level can be checked easily without any disassembly.



### Brake Fluid Reservoir with level switch
When the oil level becames lower than Min, the warning lamp on the cluster lights on.



### An Accessible, Compact Fuse Box for Easy Inspection



### Maintenance Free Battery



### Aluminum Radiator with Superb Protection Against heat



### Removable Side Panels for Ease of Service

## Mast Specification

### 35L-7A

| Mast Type | | Maximum Fork Height | Overall Height (Lowered) | | Free Lift Height | | Tilt Angle | | Load Capacity without Side Shift at 600mm LC | | Load Capacity with Side Shift at 600mm LC | | Truck Weight (Unloaded) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Single Tire | Double Tire | With Backrest | With / o Backrest | Fwd | Bwd | Single Tire | Double Tire | Single Tire | Double Tire | Single Tire | Double Tire |
| | | mm | mm | mm | mm | mm | deg | deg | kg | kg | kg | kg | kg | kg |
| 2-Stage Limited Free Lift | V270 | 2720 | 2085 | 2070 | 120 | 120 | 8 | 10 | 3500 | 3500 | 3500 | 3500 | 5563 | 5718 |
| | *V300 | 3020 | 2235 | 2220 | 120 | 120 | 8 | 10 | 3500 | 3500 | 3500 | 3500 | 5593 | 5748 |
| | V330 | 3320 | 2385 | 2370 | 120 | 120 | 8 | 10 | 3500 | 3500 | 3500 | 3500 | 5631 | 5786 |
| | V350 | 3520 | 2535 | 2520 | 120 | 120 | 8 | 10 | 3500 | 3500 | 3450 | 3450 | 5654 | 5809 |
| | V370 | 3720 | 2635 | 2620 | 120 | 120 | 8 | 10 | 3500 | 3500 | 3400 | 3400 | 5674 | 5829 |
| | V400 | 4020 | 2845 | 2830 | 120 | 120 | 8 | 10 | 3500 | 3500 | 3350 | 3350 | 5717 | 5871 |
| | V430 | 4320 | 2995 | 2980 | 120 | 120 | 8 | 10 | 3500 | 3500 | 3300 | 3300 | 5747 | 5901 |
| | V450 | 4520 | 3095 | 3080 | 120 | 120 | 8 | 6 | 3450 | 3450 | 3250 | 3250 | 5829 | 5984 |
| | V500 | 5020 | 3345 | 3330 | 120 | 120 | 8 | 6 | 3350 | 3350 | 3150 | 3150 | 5880 | 6035 |
| 2-Stage Full Free Lift | VF280 | 2805 | 2135 | 2120 | 1258 | 919 | 6 | 8 | 3500 | 3500 | 3500 | 3500 | 5604 | 5756 |
| | VF300 | 3005 | 2235 | 2220 | 1358 | 1019 | 6 | 8 | 3500 | 3500 | 3500 | 3500 | 5630 | 5782 |
| | VF315 | 3155 | 2325 | 2310 | 1448 | 1109 | 6 | 8 | 3500 | 3500 | 3450 | 3500 | 5650 | 5802 |
| 3-Stage Full Free Lift | TF/TS370 | 3730 | 2035 | 2020 | 812 | 1139 | 8 | 8 | 3500 | 3500 | 3350 | 4000 | 5820 | 5975 |
| | TF/TS400 | 4030 | 2135 | 2120 | 912 | 1239 | 8 | 8 | 3450 | 3500 | 3300 | 3350 | 5850 | 6005 |
| | TF/TS430 | 4330 | 2235 | 2220 | 1012 | 1339 | 8 | 8 | 3400 | 3450 | 3250 | 3300 | 5881 | 6036 |
| | TF/TS450 | 4510 | 2295 | 2280 | 1072 | 1399 | 8 | 8 | 3350 | 3400 | 3200 | 3250 | 5900 | 6055 |
| | TF/TS470 | 4720 | 2385 | 2370 | 1162 | 1489 | 8 | 8 | 3300 | 3350 | 3150 | 3200 | 5936 | 6091 |
| | TF/TS500 | 5020 | 2485 | 2470 | 1262 | 1589 | 8 | 8 | 3250 | 3300 | 3100 | 3150 | 5960 | 6114 |
| | TF/TS550 | 5520 | 2665 | 2650 | 1442 | 1769 | 8 | 6 | 3100 | 3200 | 2850 | 3000 | 6021 | 6175 |
| | TF/TS600 | 6030 | 2845 | 2830 | 1622 | 1949 | 8 | 6 | 2600 | 3100 | 2450 | 2900 | 6089 | 6244 |
| | TF/TS650 | 6540 | 3025 | 3010 | 1812 | 2139 | 8 | 6 | 2500 | 3000 | 2350 | 2800 | 6131 | 6285 |

### 40L-7A

| Mast Type | | Maximum Fork Height | Overall Height (Lowered) | | Free Lift Height | | Tilt Angle | | Load Capacity without Side Shift at 600mm LC | | Load Capacity with Side Shift at 600mm LC | | Truck Weight (Unloaded) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Single Tire | Double Tire | With Backrest | With / o Backrest | Fwd | Bwd | Single Tire | Double Tire | Single Tire | Double Tire | Single Tire | Double Tire |
| | | mm | mm | mm | mm | mm | deg | deg | kg | kg | kg | kg | kg | kg |
| 2-Stage Limited Free Lift | V270 | 2720 | 2085 | 2070 | 120 | 120 | 8 | 10 | 4000 | 4000 | 4000 | 4000 | 6027 | 6133 |
| | *V300 | 3020 | 2235 | 2220 | 120 | 120 | 8 | 10 | 4000 | 4000 | 4000 | 4000 | 6057 | 6163 |
| | V330 | 3320 | 2385 | 2370 | 120 | 120 | 8 | 10 | 4000 | 4000 | 4000 | 4000 | 6095 | 6201 |
| | V350 | 3520 | 2535 | 2520 | 120 | 120 | 8 | 10 | 4000 | 4000 | 3950 | 3950 | 6118 | 6224 |
| | V370 | 3720 | 2635 | 2620 | 120 | 120 | 8 | 10 | 4000 | 4000 | 3900 | 3900 | 6138 | 6244 |
| | V400 | 4020 | 2845 | 2830 | 120 | 120 | 8 | 10 | 4000 | 4000 | 3800 | 3800 | 6181 | 6287 |
| | V430 | 4320 | 2995 | 2980 | 120 | 120 | 8 | 10 | 3950 | 4000 | 3750 | 3750 | 6211 | 6317 |
| | V450 | 4520 | 3095 | 3080 | 120 | 120 | 8 | 6 | 3900 | 3950 | 3700 | 3700 | 6293 | 6399 |
| | V500 | 5020 | 3345 | 3330 | 120 | 120 | 8 | 6 | 3750 | 3850 | 3550 | 3600 | 6344 | 6450 |
| 2-Stage Full Free Lift | VF280 | 2805 | 2135 | 2120 | 1258 | 919 | 8 | 8 | 4000 | 4000 | 4000 | 4000 | 6068 | 6171 |
| | VF300 | 3005 | 2235 | 2220 | 1358 | 1019 | 8 | 8 | 4000 | 4000 | 4000 | 4000 | 6094 | 6197 |
| | VF315 | 3155 | 2325 | 2310 | 1448 | 1109 | 8 | 8 | 4000 | 4000 | 4000 | 4000 | 6114 | 6216 |
| 3-Stage Full Free Lift | TF/TS370 | 3730 | 2035 | 2020 | 812 | 1139 | 8 | 8 | 4000 | 4000 | 3850 | 3850 | 6284 | 6355 |
| | TF/TS400 | 4030 | 2135 | 2120 | 912 | 1239 | 8 | 8 | 4000 | 4000 | 3750 | 3750 | 6314 | 6385 |
| | TF/TS430 | 4330 | 2235 | 2220 | 1012 | 1339 | 8 | 8 | 3900 | 3950 | 3730 | 3730 | 6345 | 6416 |
| | TF/TS450 | 4510 | 2295 | 2280 | 1072 | 1399 | 8 | 8 | 3900 | 3950 | 3700 | 3700 | 6364 | 6435 |
| | TF/TS470 | 4720 | 2385 | 2370 | 1162 | 1489 | 8 | 8 | 3850 | 3900 | 3600 | 3650 | 6400 | 6471 |
| | TF/TS500 | 5020 | 2485 | 2470 | 1262 | 1589 | 8 | 8 | 3750 | 3750 | 3500 | 3550 | 6423 | 6494 |
| | TF/TS550 | 5520 | 2665 | 2650 | 1442 | 1769 | 8 | 6 | 3600 | 3650 | 3350 | 3450 | 6485 | 6555 |
| | TF/TS600 | 6030 | 2845 | 2830 | 1622 | 1949 | 8 | 6 | 3050 | 3500 | 2900 | 3300 | 6553 | 6624 |
| | TF/TS650 | 6530 | 3025 | 3010 | 1797 | 2124 | 8 | 6 | 2900 | 3350 | 2750 | 3150 | 6595 | 6665 |



## Mast Specification

### 45L-7A

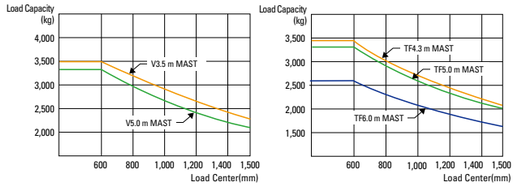
| Mast Type | | Maximum Fork Height | Overall Height (Lowered) | | Free Lift Height | | Tilt Angle | | Load Capacity without Side Shift at 600mm LC | | Load Capacity with Side Shift at 600mm LC | | Truck Weight (Unloaded) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Single Tire | Double Tire | With Backrest | With / o Backrest | Fwd | Bwd | Single Tire | Double Tire | Single Tire | Double Tire | Single Tire | Double Tire |
| | | mm | mm | mm | mm | mm | deg | deg | kg | kg | kg | kg | kg | kg |
| 2-Stage Limited Free Lift | V270 | 2720 | 2085 | 2070 | 120 | 120 | 8 | 10 | 4500 | 4500 | 4500 | 4500 | 6440 | 6549 |
| | *V300 | 3020 | 2235 | 2220 | 120 | 120 | 8 | 10 | 4500 | 4500 | 4500 | 4500 | 6470 | 6579 |
| | V330 | 3320 | 2385 | 2370 | 120 | 120 | 8 | 10 | 4500 | 4500 | 4450 | 4450 | 6508 | 6617 |
| | V350 | 3520 | 2535 | 2520 | 120 | 120 | 8 | 10 | 4500 | 4500 | 4400 | 4400 | 6531 | 6640 |
| | V370 | 3720 | 2635 | 2620 | 120 | 120 | 8 | 10 | 4500 | 4500 | 4350 | 4300 | 6551 | 6660 |
| | V400 | 4020 | 2845 | 2830 | 120 | 120 | 8 | 10 | 4500 | 4500 | 4250 | 4250 | 6594 | 6702 |
| | V430 | 4320 | 2995 | 2980 | 120 | 120 | 8 | 10 | 4400 | 4400 | 4150 | 4150 | 6624 | 6732 |
| | V450 | 4520 | 3095 | 3080 | 120 | 120 | 8 | 6 | 4350 | 4350 | 4100 | 4100 | 6706 | 6815 |
| | V500 | 5020 | 3345 | 3330 | 120 | 120 | 8 | 6 | 4200 | 4250 | 4000 | 4000 | 6757 | 6866 |
| 2-Stage Full Free Lift | VF280 | 2805 | 2135 | 2120 | 1258 | 919 | 8 | 8 | 4500 | 4500 | 4500 | 4500 | 6476 | 6585 |
| | VF300 | 3005 | 2235 | 2220 | 1358 | 1019 | 8 | 8 | 4500 | 4500 | 4500 | 4500 | 6502 | 6611 |
| | VF315 | 3155 | 2325 | 2310 | 1448 | 1109 | 8 | 8 | 4500 | 4500 | 4500 | 4500 | 6521 | 6630 |
| 3-Stage Full Free Lift | TF/TS370 | 3730 | 2035 | 2020 | 812 | 1139 | 8 | 8 | 4500 | 4500 | 4250 | 4300 | 6697 | 6808 |
| | TF/TS400 | 4030 | 2135 | 2120 | 912 | 1239 | 8 | 8 | 4450 | 4450 | 4200 | 4250 | 6727 | 6838 |
| | TF/TS430 | 4330 | 2235 | 2220 | 1012 | 1339 | 8 | 8 | 4350 | 4350 | 4100 | 4150 | 6758 | 6869 |
| | TF/TS450 | 4510 | 2295 | 2280 | 1072 | 1399 | 8 | 8 | 4300 | 4300 | 4050 | 4100 | 6777 | 6888 |
| | TF/TS470 | 4720 | 2385 | 2370 | 1162 | 1489 | 8 | 8 | 4250 | 4250 | 4000 | 4000 | 6813 | 6925 |
| | TF/TS500 | 5020 | 2485 | 2470 | 1262 | 1589 | 8 | 8 | 4150 | 4200 | 3900 | 3900 | 6836 | 6948 |
| | TF/TS550 | 5520 | 2665 | 2650 | 1442 | 1769 | 8 | 6 | 4000 | 4050 | 3650 | 3800 | 6898 | 7009 |
| | TF/TS600 | 6030 | 2845 | 2830 | 1622 | 1949 | 8 | 6 | 3300 | 3900 | 3100 | 3650 | 6966 | 7077 |
| | TF/TS650 | 6530 | 3025 | 3010 | 1786 | 2104 | 8 | 6 | 3200 | 3750 | 3000 | 3550 | 7008 | 7119 |

### 50L-7A

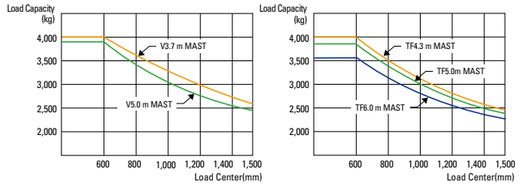
| Mast Type | | Maximum Fork Height | Overall Height (Lowered) | | Free Lift Height | | Tilt Angle | | Load Capacity without Side Shift at 600mm LC | | Load Capacity with Side Shift at 600mm LC | | Truck Weight (Unloaded) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Single Tire | Double Tire | With Backrest | With / o Backrest | Fwd | Bwd | Single Tire | Double Tire | Single Tire | Double Tire | Single Tire | Double Tire |
| | | mm | mm | mm | mm | mm | deg | deg | kg | kg | kg | kg | kg | kg |
| 2-Stage Limited Free Lift | V260 | 2630 | 2085 | 2070 | 120 | 120 | 8 | 10 | 5000 | 5000 | 5000 | 5000 | 6906 | 7018 |
| | *V290 | 2930 | 2235 | 2220 | 120 | 120 | 8 | 10 | 5000 | 5000 | 4950 | 4950 | 6931 | 7043 |
| | V320 | 3230 | 2385 | 2370 | 120 | 120 | 8 | 10 | 5000 | 5000 | 4850 | 4850 | 6956 | 7068 |
| | V340 | 3430 | 2535 | 2520 | 120 | 120 | 8 | 10 | 5000 | 5000 | 4800 | 4800 | 6981 | 7093 |
| | V360 | 3630 | 2635 | 2620 | 120 | 120 | 8 | 10 | 5000 | 5000 | 4750 | 4750 | 6998 | 7109 |
| | V390 | 3930 | 2845 | 2830 | 120 | 120 | 8 | 10 | 4900 | 5000 | 4650 | 4650 | 7033 | 7145 |
| | V440 | 4430 | 3095 | 3080 | 120 | 120 | 8 | 6 | 4750 | 4800 | 4450 | 4500 | 7136 | 7248 |
| | V490 | 4930 | 3345 | 3330 | 120 | 120 | 8 | 6 | 4600 | 4650 | 4300 | 4350 | 7178 | 7290 |
| 2-Stage Full Free Lift | VF270 | 2697 | 2135 | 2120 | 905 | 1223 | 8 | 8 | 5000 | 5000 | 5000 | 5000 | 6924 | 7036 |
| | VF290 | 2897 | 2235 | 2220 | 1005 | 1323 | 8 | 8 | 5000 | 5000 | 4950 | 4950 | 6949 | 7061 |
| | VF305 | 3047 | 2325 | 2310 | 1095 | 1413 | 8 | 8 | 5000 | 5000 | 4900 | 4900 | 6967 | 7079 |
| 3-Stage Full Free Lift | TF/TS360 | 3672 | 2035 | 2020 | 807 | 1074 | 8 | 8 | 5000 | 5000 | 4700 | 4650 | 7108 | 7212 |
| | TF/TS390 | 3972 | 2135 | 2120 | 907 | 1174 | 8 | 8 | 4900 | 4900 | 4600 | 4600 | 7134 | 7238 |
| | TF/TS420 | 4272 | 2235 | 2220 | 1007 | 1274 | 8 | 8 | 4800 | 4800 | 4500 | 4500 | 7159 | 7263 |
| | TF/TS440 | 4452 | 2295 | 2280 | 1067 | 1334 | 8 | 8 | 4750 | 4750 | 4450 | 4450 | 7176 | 7279 |
| | TF/TS460 | 4662 | 2385 | 2370 | 1157 | 1424 | 8 | 8 | 4650 | 4700 | 4400 | 4400 | 7199 | 7303 |
| | TF/TS490 | 4962 | 2485 | 2470 | 1257 | 1524 | 8 | 6 | 4600 | 4600 | 4350 | 4350 | 7224 | 7328 |
| | TF/TS540 | 5462 | 2665 | 2650 | 1437 | 1704 | 8 | 6 | 4450 | 4500 | 4200 | 4200 | 7276 | 7380 |
| | TF/TS590 | 5972 | 2845 | 2830 | 1617 | 1884 | 8 | 6 | 4150 | 4350 | 3950 | 4100 | 7317 | 7420 |
| | TF/TS640 | 6482 | 3025 | 3010 | 1797 | 2064 | 8 | 6 | 4050 | 4250 | 3850 | 4000 | 7358 | 7462 |

# Load Capacity

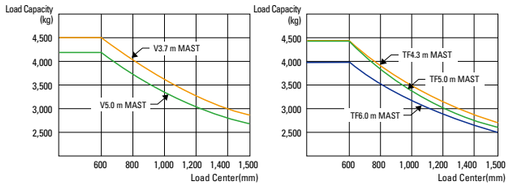
## 35L-7A



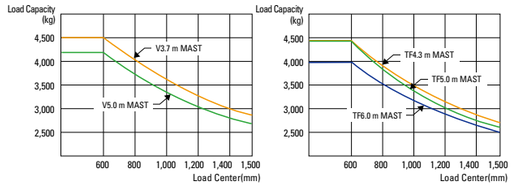

## 40L-7A




## 45L-7A




## 50L-7A




# Optional Items

- **CABIN**
- **SIDE SHIFT**
- **INTEGRAL FORK POSITIONER**
- **FORK (MM)**

**35L-7A (HOOK TYPE)**
· 1220, 1370, 1520, 1670 , 1820, 1970, 2120, 2400

**40L-7A (SHAFT · HOOK TYPE)**
· 1070, 1370, 1520, 1670, 1820, 1970, 2120

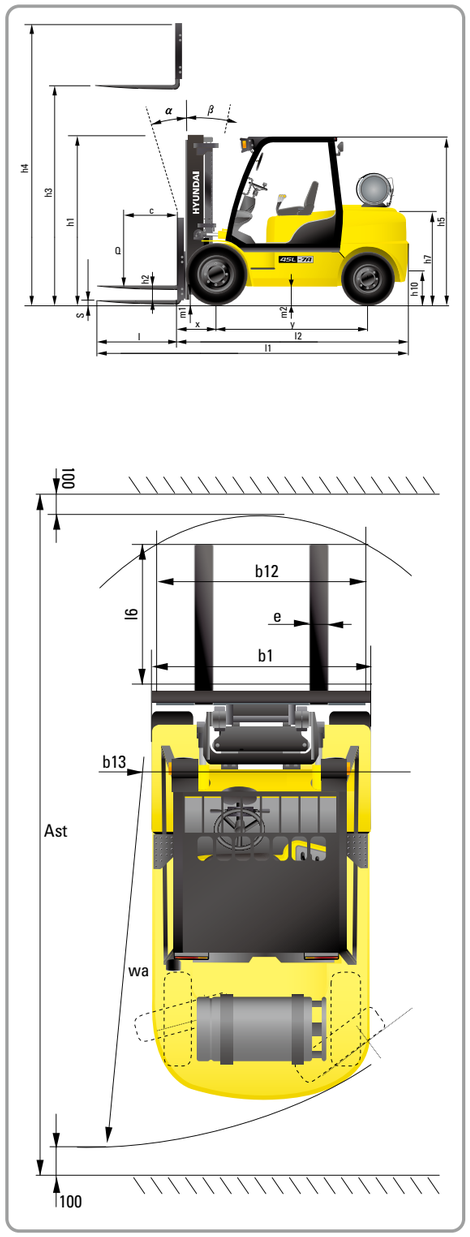
**45L-7A (HOOK TYPE)**
· 1220, 1370, 1520, 1670, 1820(Class III, IV), 1970(Class IV), 2200

**45L-7A (SHAFT TYPE)**
· 1220, 1370, 1520, 1670, 1820, 1970

**50L-7A (HOOK TYPE)**
· 1350, 1500, 1800, 2000, 2400

- **TILTING :** 8/6°, 8/8°
- **TIRE :** Solid, No-marking, Double
- **SEAT :** Arm Rest, Seat Belt, Grammer(opt)
- **LPG CLAMP :** Swing Out
- **M.C.V :** 4-Spool
- **ATTACH PIPING :** 3 Spool-piping, 4 Spool-piping
- **MASTER SWITCH**
- **BEACON LAMP**
- **HAZARD SWITCH**
- **BRAKE PEDAL**
  Hydraulic Booster (w/o Accumulator)
- **OPSS(TRAVEL/TRAVEL + MAST)**
- **INTEGRAL SHAFT TYPE CARRIAGE :** 4.0/4.5Ton

# Dimension




# Specification

| | | | | | | |
|---|---|---|---|---|---|---|
| **Identification** | | | | | | |
| 1.1 | Manufacturer | | Hyundai | Hyundai | Hyundai | Hyundai |
| 1.2 | Manufacturer's type designation | | 35L-7A | 40L-7A | 45L-7A | 50L-7A |
| 1.3 | Drive: electric (battery or mains),diesel,petrol,fuel gas,manual | | LP | LP | LP | LP |
| 1.4 | Type of operation:hand,pedestrian,standing,seated,order-picker | | seated | seated | seated | seated |
| 1.5 | Load capacity / rated load | Ω (kg) | 3,500 | 4,000 | 4,500 | 5,000 |
| 1.6 | Load center distance | c (mm) | 600 | 600 | 600 | 600 |
| 1.8 | Load distance, center of drive axle to fork | x (mm) | 561 | 561 | 561 | 576 |
| 1.9 | Wheelbase | y (mm) | 2,000 | 2,000 | 2,000 | 2,000 |
| **Weights** | | | | | | |
| 2.1 | Service weight | kg | 5,593 | 6,163 | 6,579 | 7,043 |
| 2.2 | Axle loading, loaded front/rear | kg | 8,166 / 927 | 9,094 / 1,069 | 9,891 / 1,188 | 10,716 / 1,372 |
| 2.3 | Axle loading, unloaded front/rear | kg | 2,634 / 2,959 | 2,772 / 3,391 | 2,779 / 3,800 | 2,814 / 4,229 |
| **Wheels, Chassis** | | | | | | |
| 3.1 | Tires:solid rubber, superplastic, pneumatic, polyurethane | | Pneumatic | Pneumatic | Pneumatic | Pneumatic |
| 3.2 | Tires size, front( width x Φ ) | | 8.25 x 15 x 14pr | 7.50 x 16 x 12pr | 7.50 x 16 x 12pr | 7.50 x 16 x 12pr |
| 3.3 | Tires size, rear( width x Φ ) | | 7.00 x 12 x 14pr | 7.00 x 12 x 14pr | 7.00 x 12 x 14pr | 7.00 x 12 x 14pr |
| 3.5 | Wheels, number front x rear (x=driven wheels) | | 2 x 2 | 4 x 2 | 4 x 2 | 4 x 2 |
| 3.6 | Track width, front | b10 (mm) | 1,132 | 1,282 | 1,282 | 1,282 |
| 3.7 | Track width, rear | b11 (mm) | 1,140 | 1,140 | 1,140 | 1,140 |
| **Basic Dimensions** | | | | | | |
| 4.1 | Mast / fork carriage tilt forward / backward (α / β ) | degrees | 8 / 10 | 8 / 10 | 8 / 10 | 8 / 10 |
| 4.2 | Lowered mast height | h1 (mm) | 2,235 | 2,220 | 2,220 | 2,220 |
| 4.3 | Free lift | h2 (mm) | 120 | 120 | 120 | 120 |
| 4.4 | Lift height | h3 (mm) | 3,020 | 3,020 | 3,020 | 2,930 |
| 4.5 | Extended mast height | h4 (mm) | 4,224 | 4,224 | 4,235 | 4,147 |
| 4.7 | Overhead guard (cab) height | h5 (mm) | 2,240 | 2,240 | 2,240 | 2,240 |
| 4.8 | Seat height / standing height | h7 (mm) | 1,321 | 1,310 | 1,310 | 1,309 |
| 4.12 | Coupling height | h10 (mm) | 417 | 412 | 412 | 410 |
| 4.19 | Overall length | l1 (mm) | 4,145 | 4,204 | 4,405 | 4,435 |
| 4.20 | Length to face of forks | l2 (mm) | 3,079 | 3,139 | 3,189 | 3,254 |
| 4.21 | Overall width | b1 (mm) | 1,370 | 1,746 | 1,746 | 1,746 |
| 4.22 | Fork dimensions | s / e / l (mm) | 50 x 122 x 1,070 | 50 x 150 x 1,070 | 50 x 150 x 1,220 | 60 x 150 x 1,200 |
| 4.23 | Fork carriage ISO 2328, class / type A,B | | III / A | III / A | IV / A | IV / A |
| 4.24 | Fork-carriage width | b12 (mm) | 1,300 | 1,600 | 1,600 | 1,600 |
| 4.31 | Ground clearance, loaded, under mast | m1 (mm) | 170 | 155 | 155 | 155 |
| 4.32 | Ground clearance, centre of wheelbase | m2 (mm) | 212 | 207 | 206 | 205 |
| 4.33 | Aisle width for pallets 1000x1200 crossways | Ast (mm) | 4,567 | 4,620 | 4,666 | 4,708 |
| 4.34 | Aisle width for pallets 800x1200 lengthways | Ast (mm) | 4,767 | 4,820 | 4,866 | 4,908 |
| 4.35 | Turning radius | Wa (mm) | 2,806 | 2,859 | 2,905 | 2,947 |
| 4.36 | Smallest pivot point distance | b13 (mm) | 1,009 | 1,009 | 1,009 | 1,009 |
| **Performance Data** | | | | | | |
| 5.1 | Travel speed, Unloaded | km/h | 23.7 | 22.9 | 22.9 | 22.8 |
| 5.2 | Lift speed, Loaded/Unloaded | mm/s | 510 / 530 | 510 / 530 | 510 / 530 | 440 / 460 |
| 5.3 | Lowering speed, Loaded/Unloaded | mm/s | 500 / 450 | 500 / 450 | 500 / 450 | 500 / 450 |
| 5.6 | Max. Drawbar pull, Loaded | N | 39,313 | 39,531 | 38,122 | 38,184 |
| 5.8 | Max. Gradeability, Loaded | % | 40.5 | 35.8 | 31.2 | 28.6 |
| 5.10 | Service brake | | Hydraulic | Hydraulic | Hydraulic | Hydraulic |
| **Engine** | | | | | | |
| 7.1 | Engine manufacturer / type | | GM 4.3L | GM 4.3L | GM 4.3L | GM 4.3L |
| 7.2 | Engine power acc. to ISO 1585 | kW/rpm | 77 / 2,300 | 77 / 2,300 | 77 / 2,300 | 77 / 2,300 |
| 7.3 | Maximum torque | kgf-m/rpm | 34 / 1,400 | 34 / 1,400 | 34 / 1,400 | 34 / 1,400 |
| 7.4 | No. of cylinder / cubic capacity | /cm³ | 6 / 4,294 | 6 / 4,294 | 6 / 4,294 | 6 / 4,294 |
| **Other Details** | | | | | | |
| 8.1 | Type of drive control | | Power Shift | Power Shift | Power Shift | Power Shift |
| 8.2 | Operating pressure, system / attachments | bar | 207 / 147 | 207 / 147 | 207 / 147 | 207 / 147 |
| 8.3 | Oil volume for attachments | l/min | 76 | 76 | 76 | 76 |
| 8.4 | Noise | db(A) | 80 | 80 | 80 | 80 |