Optional Items

• FORK (L x W x T)(mm)

110D-7E

75 x 200 x 1,200 / 75 x 200 x 1,500 / 75 x 200 x 1,650 / 75 x 200 x 1,800 / 75 x 200 x 2,100 / 85 x 200 x 2,440

130D-7E

85 x 200 x 1,200 / 85 x 200 x 1,500 / 85 x 200 x 1,650 / 85 x 200 x 1,800 / 85 x 200 x 2,100 / 90 x 200 x 2,440

140D-7E

85 x 200 x 1,200 / 90 x 200 x 1,500 / 90 x 200 x 1,650 / 90 x 200 x 1,800 / 90 x 200 x 2,100 / 90 x 200 x 2,440

160D-7E

90 x 200 x 1,200 / 90 x 200 x 1,500 / 90 x 200 x 1,650 / 95 x 200 x 1,800 / 95 x 200 x 2,100 / 95 x 200 x 2,440

- MAST: SIMPLEX MAST / TRIPLEX MAST
- OVER SHOE: 1,800/2,000/2,200/2,400/2,600
- MCV: 4 SPOOL / 5 SPOOL
- SEAT: NON HEAT / HEAT
- BEACON LAMP: AMBER / RED / BLUE
- FORK POSITIONER: 82 / 100
- INTEGRAL SIDE SHIFT
- INTEGRAL SIDE SHIFT + FORK POSITIONER
- HYDRAULIC LINE: 3 SPOOL / 4 SPOOL / 5 SPOOL
- SOLID TIRE
- PNEUMATIC TIRE: LUG / SMOOTH (14/16 ONLY)
- WIDE CARRIAGE (2,730 mm)
- HEAD GUARD
- REAR VIEW CAMERA & LOAD INDICATOR
- ESL (ENGINE START LIMIT)
- HANDS FREE

Various Attachments







HYUNDAI DIESEL FORKLIFT TRUCKS Applied Tier 3 Engine

110/130/140/160D-7E



14th Fl., Hyundai Bldg. 75, Yulgok-ro, Jongno-gu, Seoul 110-796, Korea TEL (82) (2) 746-4609, 4753 FAX (82) (2) 746-7444~7445







02

Ability of best, the new master on the job-site!

Smooth running, efficient and ergonomically designed, 110/130/140/160D-7E series are made to meet your needs.



Powerful Engine

Cummins QSB6.7 Engine

The six cylinders turbo-charged engine is built for power, reliability and economy. This engine meets EPA Tier 3 and EU stage IIIA emission regulation.



Engine Control Mode

According to operating load, the operator can select engine mode by changing side panel switch.

STD Mode

: Fuel reduction mode for

light-duty operating load POWER Mode: Heavy-duty or operating

at slope

119kW/2,200rpm 74.6kgf-m/1,400rpm



Adjustable Engine Low Idle RPM

While engine runs, low idle rpm can be ncreased by unit of 25rpm and it keeps previously set rpm when engine restarts.







Cruise Control

It offers the ability to automatically maintain a desired engine speed with no accelerator pedal input and reduce fuel consumption.



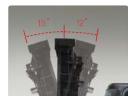
Transmission Control Switch



Excellent Night Work

- Variety position of work lamp provides the operator more comfortable and safe operating environments.

- Front : fender(2), mast(2) - Rear : cab(2)



Increased Mast Tilting Angle Utilizing the mast tilting angle of 15

degrees forward and 12 degrees backward, the operator can perform loading and unloading jobs safely and rapidly.



Faster Travel Speed The powerful high-output engine

& Better Gradability provides greater acceleration, better gradability and faster travel speed on any tough terrains or slopes.

Gradability (Loaded)

110D-7E: 45.4% 140D-7E: 37.0% 130D-7E: 41.0% 160D-7E: 31.4%

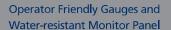
Travel Speed (Unloaded)

110D-7E: 33.3km/h 140D-7E: 32.2km/h 130D-7E: 33.1km/h 160D-7E: 32.2km/h



Ergonomic driving space design!

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







Easily Adjustable Suspension Seat

An attractive and adjustable seat, based on a human engineering design, provides great comfort, safety and durability. (Head Rest - option)



High-output Air Conditioner & Heater (Option)

An air conditioner with integrated the condenser is mounted on upper side of the cabin to make a wide room in the cabin.

And an air conditioner with high-output and heater always provide you comfortable environment when







Rear View Camera (Option)

camera channels.



Load Indicator (Option)

The rear view camera makes A load can be placed on the the operation more easy and fork and can be accurately convenient. And it supports 4 weighed by measuring the hydraulic pressure.



Centralized Instrument Switch Panel



USB MP3 Player & Remote Control



Hands Free Socket (Option)



Quick Response of **Operating Control Levers** Only minimal operator's effort is required for precise, safe and

productive control. (3-Lever : standard / 4 - 5-Lever : option)



Based on human engineering; the accelerator, brake and inching pedals are optimally positioned for the operator's convenience.





Ergonomically Positioned Pedals Adjustable Steering Column Steering handle is adjustable depending on the operator's body shape. Adjustability of steering column makes you more comfortable.

Danger-free through high durability!

Safety and durability are priorities in design of the equipment.



Up-to-date Cooling System

The minimum fuel consumption and low noise are available by applying hydraulic cooling fan sensing intake air temperature, transmission oil temperature, coolant temperature and hydraulic temperature.



OPSS (Operator Presence Sensing System)

Control of mast tilting, lifting and lowering is not possible through operation of the appropriate control when the operators is not in the normal



Durable Drive Axle

The hypoid type planetary reduction drive axle smoothly delivers desired torque to the drive wheels.



Auto Parking

The parking brake is engaged automatically when the transmission is neutral and the operator leaves the seat.





Wet Disc Brake System

virtually maintenance free and is endosed to protect from dust and water.



Fitted Protector for Hub Bolts

The wet disc brake system is Durability has improved by applying protector for preventing bolts breakage. (Easy parts supply due to the wheel in common with front wheel)



Cylinder Guard

This guard helps to prevent possible damage from any foreign material.



Grease Fittings

Grease fittings are installed for fast access to steering axle center pin when doing your service checks.





Highly Durable Mast & Carriage Side Roller

Side roller with great durability for mast and carriage is included.



Highly Durable Carriage

Work at the narrow space is easy because the width of carriage is narrower then overall width of the vehicle.



Large Footboard & Handle

The carriage is very strong cause of Wide "open" step offers applying the high tensile structural convenience and safety when steel which has a excellent durability entering and exiting the truck.

Centralized design for easy service!

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



Large Engine Hood

Highly accessible engine compartment assures fast and efficient maintenance.



Easy Change Air Cleaner

This air filter is readily accessible for cleaning or replacement.



Cabin Air Fresh Filter

The internal pressure is maintained to be slightly higher than that of outside to exclude dust and to reduce noise levels.



Cabin Tilting Automatic System

Cabin tilting automatic system makes servicing of all power train components quick and easy. An electrically assisted hydraulic actuated cylinder tilts operator cabin to left side about 65 degrees for easy access to inside of truck components.





Easy Inspection



Filter Replacement Highly accessible engine

compartment allows for quick of a clogged air filter and allows safely opened by a self locking gas replacement of filters.



Compact fuse Box for Mechanic Friendly Fuel Electrically Monitored Air Filter

Air cleaner sensor alerts the operator replacement before damage.



Automatic Self Locking Gas Spring Engine compartment hood is



Master Switch A master switch disconnects the battery power to protect the electrical system from excess electrical drainage.



Large Tool Box



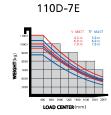
Pressure Gauge Port

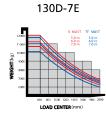


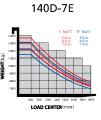
Easy Maintenance Oil Check

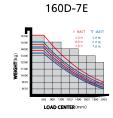
Mast Specification											
Mast Type		Maximum Fork Height (mm)	Overall Height Lowerd (mm)		Load Capacity (600mm LC)(kg)		Truck Weight Unloaded (kg)				
			110 / 130D-7E		110D-7E	130D-7E	110D-7E	130D-7E			
2-Stage Limited Free Lift	V300	3,005	3,000	15 / 12	11,000	13,000	15,722	16,427			
	* V330	3,305	3,150	15 / 12	11,000	13,000	15,797	16,503			
	V350	3,505	3,250	15 / 12	11,000	13,000	15,847	16,552			
	V400	4,005	3,550	15 / 12	11,000	13,000	16,100	16,805			
	V450	4,505	3,800	15 / 12	11,000	12,600	16,225	16,930			
	V500	5,005	4,100	15 / 12	11,000	12,200	16,374	17,079			
	V550	5,505	4,350	15 / 12	11,000	11,800	16,605	17,310			
	V600	6,005	4,650	15 / 12	10,600	11,400	16,757	17,462			
	V650	6,505	4,900	15 / 12	10,300	11,100	16,890	17,595			
	V700	7,005	5,150	15 / 12	10,000	10,800	17,021	17,726			
3-Stage	TF440	4,405	2,950	10/10	11,000	12,300	16,761	17,467			
	TF470	4,705	3,050	10 / 10	11,000	12,100	16,832	17,538			
	TF500	5,005	3,150	10/10	11,000	11,800	16,903	17,609			
Full	TF550	5,505	3,317	10 / 10	10,600	11,500	17,070	17,776			
Free Lift	TF600	6,005	3,484	10 / 10	10,300	11,100	17,188	17,894			
	TF650	6,505	3,651	10 / 10	9,600	10,800	17,402	18,108			
	TF700	7,005	3,818	10 / 10	8,700	10,500	17,521	18,227			
Mast Type		Maximum	0 11		Load Capacity (600mm LC)		Truck Weight Unloaded (kg)				
Mast	Туре	Fork Height (mm)	Overall Height Lowerd (mm)	Ti l t Angle (mm)							
Mast	Туре	Fork Height	Height Lowerd								
Mast	Type V295	Fork Height	Height Lowerd (mm)		(600m	m LC)	(k	g)			
Mast	, , , , , , , , , , , , , , , , , , ,	Fork Height (mm)	Height Lowerd (mm) 140 / 160D-7E	(mm)	(600m	m LC) 160D-7E	140D-7E	g) 160D-7E			
Mast	V295	Fork Height (mm)	Height Lowerd (mm) 140 / 160D-7E 2,950	(mm) 15 / 12	(600m 140D-7E 14,000	160D-7E 16,000	140D-7E 18,120	g) 160D-7E 18,977			
Mast	V295 V300	Fork Height (mm) 2,950 3,010	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250	(mm) 15 / 12 15 / 12	(600m 140D-7E 14,000 14,000	160D-7E 16,000 16,000	140D-7E 18,120 18,284	g) 160D-7E 18,977 19,141			
Mast 2-Stage	V295 V300 * V330	2,950 3,010 3,310	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250 3,400	15 / 12 15 / 12 15 / 12	(600m 140D-7E 14,000 14,000 14,000	16,000 16,000 16,000	140D-7E 18,120 18,284 18,378	g) 160D-7E 18,977 19,141 19,235			
	V295 V300 * V330 V350	2,950 3,010 3,310 3,510	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250 3,400 3,500	15 / 12 15 / 12 15 / 12 15 / 12	(600m 140D-7E 14,000 14,000 14,000 14,000	160D-7E 16,000 16,000 16,000 16,000	140D-7E 18,120 18,284 18,378 18,423	g) 160D-7E 18,977 19,141 19,235 19,280			
2-Stage	V295 V300 * V330 V350 V400	2,950 3,010 3,310 3,510 4,010	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250 3,400 3,500 3,750	(mm) 15/12 15/12 15/12 15/12 15/12	(600m 140D-7E 14,000 14,000 14,000 14,000 14,000	160D-7E 16,000 16,000 16,000 16,000 16,000	140D-7E 18,120 18,284 18,378 18,423 18,710	9) 160D-7E 18,977 19,141 19,235 19,280 19,567			
2-Stage Limited	V295 V300 * V330 V350 V400 V450	2,950 3,010 3,310 3,510 4,010 4,510	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250 3,400 3,500 3,750 4,000	15/12 15/12 15/12 15/12 15/12 15/12	(600m 140D-7E 14,000 14,000 14,000 14,000 14,000 14,000	16,000 16,000 16,000 16,000 16,000 16,000 15,900	140D-7E 18,120 18,284 18,378 18,423 18,710 18,865	9) 160D-7E 18,977 19,141 19,235 19,280 19,567 19,722			
2-Stage Limited	V295 V300 * V330 V350 V400 V450 V500	2,950 3,010 3,310 3,510 4,010 4,510 5,010	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250 3,400 3,500 3,750 4,000 4,300	(mm) 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12	(600m 140D-7E 14,000 14,000 14,000 14,000 14,000 14,000 14,000	m LC) 160D-7E 16,000 16,000 16,000 16,000 15,900 15,900	140D-7E 18,120 18,284 18,378 18,423 18,710 18,865 19,047	9) 160D-7E 18,977 19,141 19,235 19,280 19,567 19,722 19,904			
2-Stage Limited	V295 V300 * V330 V350 V400 V450 V500	2,950 3,010 3,310 3,310 4,010 4,510 5,010 5,510	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250 3,400 3,500 4,000 4,300 4,550	(mm) 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12	(600m 140D-7E 14,000 14,000 14,000 14,000 14,000 14,000 14,000 13,600	m LC) 160D-7E 16,000 16,000 16,000 16,000 16,000 15,900 15,900 15,200	18,120 18,284 18,378 18,423 18,710 18,865 19,047 19,316	9) 160D-7E 18,977 19,141 19,235 19,280 19,567 19,722 19,904 20,173			
2-Stage Limited	V295 V300 * V330 V350 V400 V450 V500 V550 V600	Fork Height (mm) 2,950 3,010 3,310 3,510 4,010 4,510 5,010 5,510 6,010	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250 3,400 3,500 3,750 4,000 4,300 4,550 4,850	(mm) 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12	(600m 140D-7E 14,000 14,000 14,000 14,000 14,000 14,000 14,000 13,600 13,200	160D-7E 16,000 16,000 16,000 16,000 16,000 15,000 15,900 15,200 14,600	18,120 18,284 18,378 18,423 18,710 18,865 19,047 19,316 19,498	9) 160D-7E 18,977 19,141 19,235 19,280 19,567 19,722 19,904 20,173 20,355			
2-Stage Limited	V295 V300 * V330 V350 V400 V450 V500 V550 V600 V650	Fork Height (mm) 2,950 3,010 3,310 3,510 4,010 4,510 5,510 6,010 6,510	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250 3,400 3,500 3,750 4,000 4,300 4,300 4,550 4,850 5,125	(mm) 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12	(600m 140D-7E 14,000 14,000 14,000 14,000 14,000 14,000 14,000 13,600 13,200 12,800	160D-7E 16,000 16,000 16,000 16,000 16,000 15,900 15,900 15,200 14,600 14,100	18,120 18,284 18,378 18,423 18,710 18,865 19,047 19,316 19,498 19,664	9) 160D-7E 18,977 19,141 19,235 19,280 19,567 19,722 19,904 20,173 20,355 20,521			
2-Stage Limited	V295 V300 * V330 V350 V400 V450 V500 V650 V650 V700	Fork Height (mm) 2,950 3,010 3,310 3,510 4,010 4,510 5,010 5,510 6,010 6,510 7,010	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250 3,400 3,500 4,000 4,300 4,550 4,850 5,125 5,375	(mm) 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12	(600m 140D-7E 14,000 14,000 14,000 14,000 14,000 14,000 14,000 13,600 13,200 12,800 12,500	160D-7E 16,000 16,000 16,000 16,000 16,000 15,900 15,900 15,200 14,600 14,100 13,800	140D-7E 18,120 18,284 18,378 18,423 18,710 18,865 19,047 19,316 19,498 19,664 19,815	9) 160D-7E 18,977 19,141 19,235 19,280 19,567 19,722 19,904 20,173 20,355 20,521 20,672			
2-Stage Limited	V295 V300 * V330 V350 V400 V450 V500 V550 V650 V700 TF395	Fork Height (mm) 2,950 3,010 3,310 3,510 4,010 4,510 5,010 5,510 6,010 6,510 7,010 3,964	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250 3,400 3,500 4,000 4,300 4,550 4,850 5,125 5,375 2,950	(mm) 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12	(600m 140D-7E 14,000 14,000 14,000 14,000 14,000 14,000 14,000 13,600 13,200 12,800 12,500 14,000	160D-7E 16,000 16,000 16,000 16,000 16,000 15,900 15,900 15,200 14,100 13,800 15,600	140D-7E 18,120 18,284 18,378 18,423 18,710 18,865 19,047 19,316 19,498 19,664 19,815 19,385	9) 160D-7E 18,977 19,141 19,235 19,280 19,567 19,722 19,904 20,173 20,355 20,521 20,672 20,254			
2-Stage Limited Free Lift 3-Stage Full	V295 V300 * V330 V350 V400 V450 V500 V550 V600 V650 V700 TF395 TF450	Fork Height (mm) 2,950 3,010 3,310 3,510 4,010 4,510 5,010 5,510 6,010 6,510 7,010 3,964 4,504	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250 3,400 3,500 4,000 4,300 4,550 4,850 5,125 5,375 2,950 2,950	(mm) 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/10 10/10	(600m 140D-7E 14,000 14,000 14,000 14,000 14,000 14,000 13,600 13,200 12,800 12,500 14,000 13,900	160D-7E 16,000 16,000 16,000 16,000 16,000 15,900 15,900 15,200 14,600 14,100 13,800 15,600 15,300	140D-7E 18,120 18,284 18,378 18,423 18,710 18,865 19,047 19,316 19,498 19,664 19,815 19,385 19,546	9) 160D-7E 18,977 19,141 19,235 19,280 19,567 19,722 19,904 20,173 20,355 20,521 20,672 20,254 20,415			
2-Stage Limited Free Lift 3-Stage	V295 V300 * V330 V350 V400 V450 V500 V650 V600 V650 V700 TF395 TF450 TF500	Fork Height (mm) 2,950 3,010 3,310 3,510 4,010 4,510 5,510 6,010 6,510 7,010 3,964 4,504 5,004	Height Lowerd (mm) 140 / 160D-7E 2,950 3,250 3,400 3,500 3,750 4,000 4,300 4,550 4,850 5,125 5,375 2,950 2,950 3,297	(mm) 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/10 10/10 10/10	(600m 140D-7E 14,000 14,000 14,000 14,000 14,000 14,000 13,600 13,200 12,800 12,500 14,000 13,900 13,900 13,500	160D-7E 16,000 16,000 16,000 16,000 16,000 15,900 15,900 15,200 14,600 14,100 13,800 15,500 15,300 14,900	18,120 18,284 18,378 18,423 18,710 18,865 19,047 19,316 19,498 19,664 19,815 19,385 19,546 19,721	9) 160D-7E 18,977 19,141 19,235 19,280 19,567 19,722 19,904 20,173 20,355 20,521 20,672 20,254 20,415 20,590			
2-Stage Limited Free Lift 3-Stage Full	V295 V300 * V330 V350 V400 V450 V500 V650 V700 TF395 TF450 TF500	Fork Height (mm) 2,950 3,010 3,310 3,510 4,010 4,510 5,010 6,510 7,010 3,964 4,504 5,004 5,504	Height Lowerd (mm) 140 / 160D-7E	(mm) 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/12 15/10 10/10 10/10 10/10	(600m 140D-7E 14,000 14,000 14,000 14,000 14,000 14,000 13,600 13,200 12,800 12,500 14,000 13,500 12,500 13,500 13,900 13,500 12,900	160D-7E 16,000 16,000 16,000 16,000 15,900 15,900 15,200 14,600 14,100 13,800 15,600 14,100 15,300 14,900 14,500	18,120 18,284 18,378 18,423 18,710 18,865 19,047 19,316 19,498 19,664 19,815 19,385 19,546 19,721	9) 160D-7E 18,977 19,141 19,235 19,280 19,567 19,722 19,904 20,173 20,355 20,521 20,672 20,254 20,415 20,590 20,773			

10 / 10 Load Capacity

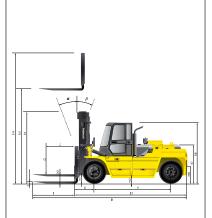


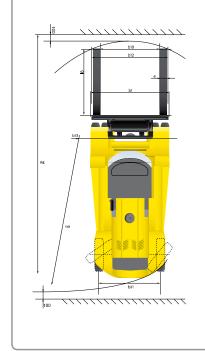






Dimension





Specification											
Iden	tification										
1.1	Manufacturer		Hyundai	Hyundai	Hyundai	Hyundai					
1.2	Manufacturer's type designation		110D-7E	130D-7E	140D-7E	160D-7E					
1,3	Drive: electric (battery or mains), diesel, petrol, fi	uel gas,manual	DJESEL	DJESEL	DIESEL	DIESEL					
1.4	Type of operation:hand,pedestrian,standing,seate	ed,order-picker	seated	seated	seated	seated					
1.5	Load capacity / rated load	Q (t)	11.0	13.0	14.0	16.0					
1,6	Load center distance	c (mm)	600	600	600	600					
1.8	Load distance, center of drive axle to fork	x (mm)	760	770	810	815					
1.9	Wheelbase	y (mm)	2,900	2,900	3,300	3,300					
Weig											
2.1	Service weight	kg	15,797	16,503	18,378	19,235					
2.2	Axle loading, loaded front/rear	kg	23,717 / 3,080	26,702 / 2,802	29,350 / 3,028	32,199 / 3,036					
2.3	Axle loading, unloaded front/rear	kg	7,577 / 8,220	7,605 / 8,898	9,283 / 9,095	9,241 / 9,994					
Whe	els, Chassis										
3.1	Tires:solid rubber, superplastic, pneumatic, p	oolyurethane	Pneumatic	Pneumatic	Pneumatic	Pneumatic					
3.2	Tires size, front(width x Φ)		10.0 - 20	10.0 - 20	12.0 - 20	12.0 - 20					
3.3	Tires size, rear(width x Ф)		10.0 - 20	10.0 - 20	12.0 - 20	12.0 - 20					
3.5	Wheels, number front x rear (x=driven wh	neels)	4 x 2	4 x 2	4 x 2	4 x 2					
3.6	Track width, front	b10 (mm)	1,842	1,842	1,842	1,842					
3,7	Track width, rear	b11 (mm)	1,910	1,910	1,955	1,955					
Basic	Dimensions										
4.1	Mast / fork carriage tilt forward / backward(α	$I\beta$) degrees	15 / 12	15 / 12	15 / 12	15 / 12					
4.2	Lowered mast height	h1 (mm)	3,000	3,000	3,250	3,250					
4.3	Free lift	h2 (mm)	0	0	0	0					
4.4	Lift height	h3 (mm)	3,005	3,005	3,010	3,010					
4,5	Extended mast height	h4 (mm)	4,465	4,465	4,710	4,710					
4.7	Overhead load guard (cab) height	h5 (mm)	2,900	2,900	2,935	2,935					
4.8	Seat height / standing height	h7 (mm)	1,723	1,723	1,749	1,749					
4,12	Coupling height	h10 (mm)	600	600	600	600					
4.19	Overall length	l1 (mm)	5,690	5,695	6,250	6,255					
4.20	Length to face of forks	12 (mm)	4,340	4,345	4,900	4,905					
4.21	Overall width	b1 (mm)	2,450	2,450	2,497	2,497					
4.22	Fork dimensions	s / e / I (mm)	75x200x1,350	85x200x1,350	85x200x1,350	90x200x1,350					
4,23	Fork carriage ISO 2328, class / type A,B		Pin Mount	Pin Mount	Pin Mount	Pin Mount					
4.24	Fork-carriage width	b12 (mm)	2,362	2,362	2,488	2,488					
4,31	Ground clearance, loaded, under mast	m1(mm)	270	270	270	270					
4.32	Ground clearance, centre of wheelbase	m2(mm)	330	330	330	330					
4.33	Aisle width for pallets 1000x1200 crossways	Ast(mm)	6,496	6,501	7,085	7,131					
4.34	Aisle width for pallets 800x1200 lengthways	Ast(mm)	6,496	6,501	7,085	7,131					
4.35	Turning radius	Wa(mm)	4,191	4,191	4,705	4,746					
4.36	Smallest pivot point distance	b13(mm)	1,516	1,516	1,748	1,748					
Perf	ormance Data										
5,1	Travel speed, Unloaded	km/h	33,3	33,2	32,3	32,3					
5.2	Lift speed, Loaded/Unloaded	m/s	0.44 / 0.51	0.43 / 0.51	0.36 / 0.45	0.35 / 0.45					
5.3	Lowering speed, Loaded/Unloaded	m/s	0.51 / 0.46	0.51/0.46	0.43 / 0.39	0.43 / 0.39					
5,5	Drawloar pull, Loaded	N	122,255	123,645	124,039	116,982					
5.7	Gradient performance, Loaded	%	47	42.4	38.1	32.4					
5,9	Acceleration time, Loaded/ Unloaded(10m)	sec		-		-					
5.10	Service brake		hydraulic	hydraulic	hydraulic	hydraulic					
Engi	ne										
6.1	Engine manufacturer / type		Cummins QSB6.7	Cummins QSB6.7	Cummins QSB6.7	Cummins QS86.7					
6,2	Engine power acc. to ISO 1585	kW	119	119	119	119					
6.3	Rated speed	1/min	2,200	2,200	2,200	2,200					
6.4	No. of cylinder / cubic capacity	/cm³	6 / 6,700	6 / 6,700	6 / 6,700	6/6,700					
6,5	Fuel consumption acc, To VDI cycle	l /h	11.0	11.0	11.5	11.5					
Oth	er Details										
8.1	Type of drive control		Toque Convert	Toque Convert	Toque Convert 3/3	Toque Convert					
8.2	Operating pressure for attachments	bar	3/3	3/3	3/3 150	3/3 150					
8,3	Oil volume for attachments	l/min	295	295	295	295					
8.4	Sound level at driver's ear according to DIN 12	*******	82	82	82	82					
8.5	Tow coupling, type DIN		-	-	-						
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