

VALUE-DRIVEN PERFORMANCE AND SUSTAINABILITY

The new Hyundai 25/30/35DE-9V Diesel Forklift Trucks

The 25/30/35DE-9V is an innovative forklift truck engineered to combine environmental sustainability, performance and cost-effectiveness. The reliable and highly acclaimed HD Hyundai Infracore (HDI) industrial engine provides powerful performance with low fuel consumption, fully complying with EU Stage V regulations. The forklift truck design is optimized for easy maintenance, excellent visibility, ergonomics and operational safety, all with a low Total Cost of Ownership (TCO).



HD Hyundai Infracore (HDI) industrial engine



Key features:

Performance UP

- Powerful & reliable HD Hyundai Infracore (HDI) industrial engine with high torque at low rpm, compliant with Stage V emission standards and featuring low fuel consumption
- Power shift for heavy duty work
- Direct and responsive transmission for smooth and precise operations
- Durable drive axle with wet brake discs, including auto parking brake system
- Standard and Power engine mode
- Panoramic view through the 3-stage TS mast **OPTION**

Safety UP

- Auto parking brake
- Hill assist control
- Operator presence sensing system
- Seatbelt interlock
- Speed limit
- Overload warning and load weighing system **OPTION**
- Startup restriction

Convenience UP

- Multi-functional digital colour cluster
- Optimized ergonomic pedal layout
- Hydraulic power steering system with 70mm diameter steering wheel
- Adjustable full-suspension seat with armrests
- Multiple cabin options available with wide view and easy to open/shut cabin doors
- Air-con / Heater **OPTION**

Maintenance UP

- Large workspace for easy maintenance accessibility
- Engine failure and maintenance warning displayed through the cluster
- Transmission configured to reduce maintenance time
- Durable LED lights
- Easy accessible exhaust aftertreatment system



Contact your Hyundai Material Handling dealer:
hyundai-mh.eu/en/dealer-locator

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HY-MH-00062_04/2025_EN_ISSUE1

25/30/35DE-9V

STAGE V DIESEL FORKLIFT TRUCKS



Load Capacity
2500 – 3500 kg

Motor
2,4 L • 49,1 kW • 245 Nm

Lift Height
3000 – 6000 mm

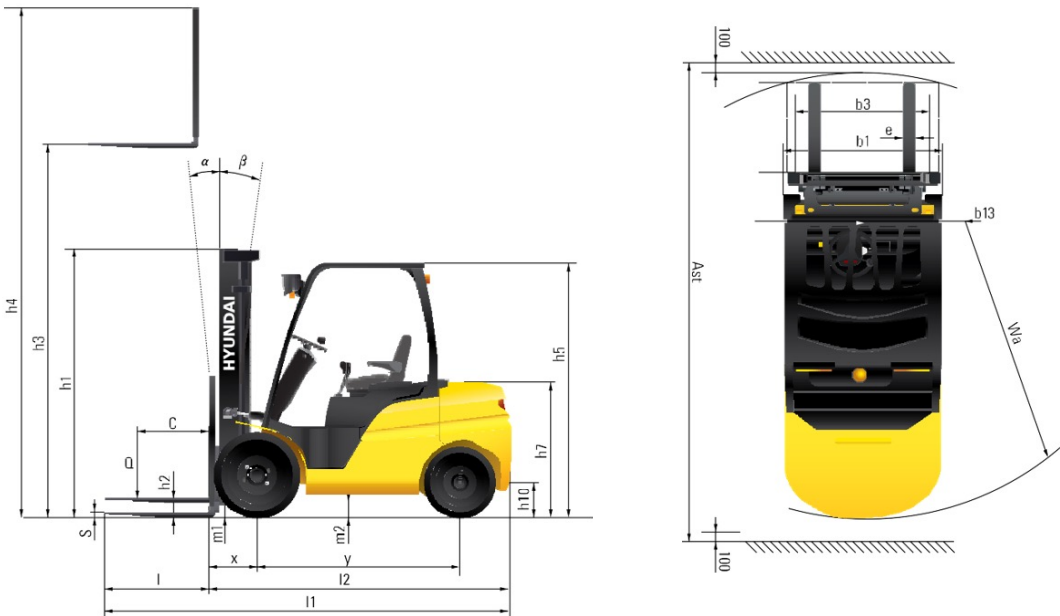
SPECIFICATIONS

IDENTIFICATION						
	Frontwheel type (single / double)			Single	Single	Single
1.1	Manufacturer (abbreviation)				Hyundai	
1.2	Manufacturer's type designation			25DE-9V	30DE-9V	35DE-9V
1.3	Drive : electric (battery or mains), diesel, petrol, LPG				Diesel	
1.4	Operator type : hand, pedestrian, standing, seated, order-picker				Seated	
1.5	Rated capacity / rated load	(Q)	kg	2500	3000	3500
1.6	Load centre distance	(c)	mm	500	500	500
1.8	Load distance, centre of drive axle to fork	(x)	mm	468	468	468
1.9	Wheelbase	(y)	mm	1650	1700	1700
WEIGHTS						
2.1	Service weight		kg	3657	4151	4516
2.2	Axle loading, loaded front / rear		kg	5463 / 694	6327 / 824	6988 / 1028
2.3	Axle loading, unloaded front / rear		kg	1488 / 2168	1610 / 2541	1485 / 3031
TYRES / CHASSIS						
3.1	Tyres : superelastic, pneumatic, polyurethane			Pneumatic		
3.2	Tyre size, front		mm	7.00 - 12 - 14PR	28x9 - 15 - 16PR	28x9 - 15 - 16PR
3.3	Tyre size, rear		mm	6.00 - 9 - 10PR	6.50 - 10 - 12PR	6.50 - 10 - 12PR
3.5	Wheels, number front / rear (x = driven wheels)			2x / 2	2x / 2	2x / 2
3.6	Tread, front	(b10)	mm	965	1005	1005
3.7	Tread, rear	(b11)	mm	980	980	980
DIMENSIONS						
4.1	Tilt of mast / fork carriage forward / backward	(α / β)	degree	6 / 10	6 / 10	6 / 10
4.2	Height, mast lowered	(h1)	mm	2230	2230	2230
4.3	Free lift	(h2)	mm	155	155	155
4.4	Lift height	(h3)	mm	3305	3305	3305
4.5	Height, mast extended	(h4)	mm	4485	4485	4485
4.7	Height of overhead guard (cabin)	(h5)	mm	2160 (2160)	2180 (2180)	2180 (2180)
4.8	Seat height relating to SIP / stand height	(h7)	mm	1185	1205	1205
4.12	Coupling height	(h10)	mm	283	299	299
4.19	Overall length	(l1)	mm	3685	3742	3827
4.20	Length to face of forks	(l2)	mm	2635	2692	2777
4.21	Overall width	(b1)	mm	1215	1230	1230
4.22	Fork dimensions DIN ISO 2331	(l / e / s)	mm	1050 x 100 x 45	1050 x 122 x 45	1050 x 122 x 45
4.23	Fork carriage ISO 2328, class / type A, B			2 / A	3 / A	3 / A
4.24	Fork carriage width	(b12)	mm	1102	1098	1098
4.31	Ground clearance below mast loaded	(m1)	mm	130	145	145
4.32	Ground clearance centre of wheelbase	(m2)	mm	168.5	190.5	190.5
4.34.1	Aisle width for pallets 1000 x 1200 crossways (l x w)	(Ast)	mm	3981	4066	4123
4.34.2	Aisle width for pallets 800 x 1200 crossways (w x l)	(Ast)	mm	4181	4266	4323
4.35	Turning radius	(Wa)	mm	2355	2437	2515
4.36	Internal turning radius	(b13)	mm	714	731	731
PERFORMANCE DATA						
5.1	Travel speed loaded / unloaded		km/h	18.1 / 18.8	17.8 / 18.8	17.5 / 18.8
5.2	Lift speed loaded / unloaded		mm/s	550 / 580	460 / 500	460 / 500
5.3	Lowering speed loaded / unloaded		mm/s	530 / 425	530 / 425	530 / 425
5.6	Max. drawbar pull loaded / unloaded		N	23442 / 22912	23599 / 22814	23706 / 22745
5.8	Max. gradeability loaded / unloaded		%	36.2 / 21.4	31.1 / 20.7	27.8 / 18
COMBUSTION ENGINE						
7.1	Engine manufacturer / type			HDI DN02 (Stage V)		
7.2	Engine power acc. to ISO 1585		kW/rpm	49.1 / 2300		
7.3	Maximum torque		Nm	245 / 1600		
7.4	No. of cylinders / displacement		EA/cc	4 / 2392		
7.5	Fuel consumption acc. to VDI cycle		l/hr	2.8	3.1	3.4
DRIVE MECHANISM						
8.1	Type of drive control			Power Shift		
8.11	Service brake			Wet brake		
ADDITIONAL DATA						
10.1	Operating pressure system / attachments		bar	210 / 160		
10.2	Oil volume for attachments		l/min	60	60	60
10.7	Sound level at the driver's ear according to DIN 12053		dB(A)	80		
10.8	Towing coupling, type DIN 15170			PIN		
AIR-CONDITIONING						
	Refrigerant type			HFC-134a	HFC-134a	HFC-134a
	Refrigerant quantity		kg	0.65	0.65	0.65
	Global warming potential (GWP) - equivalent to CO2 in metric tons		metric tons	1.30	1.30	1.30

STANDARD/OPTIONAL EQUIPMENT / DIMENSIONS

DESCRIPTION			25DE-9V / 30DE-9V / 35DE-9V
OPERATION	OHG / CABIN	Overhead guard	●
		Full cabin	□
		Partial cabin – top cover & front & rear window, including wipers	□
		Top cover	□
	CLIMATE	Air-conditioning	□
		Heater	□
	SEAT	Grammer, orange belt, armrest, buckle sw	●
		Grammer, orange belt, armrest, buckle sw, heat	□
MAST & ATTACHMENT	MAST	V-Duplex - no free lift (V330)	●
		V-Duplex - no free lift - other heights	□
		VF-Duplex - free lift - 1 central cylinder	□
		TF-Triplex - free lift - 1 central cylinder	□
		TS-Triplex - free lift - 2 central cylinders	□
		Attachment piping for 3, 4 spool	□
	FORK	Standard: 1050 mm	●
		Other fork lengths: 900 mm – 1800 mm	□
	CARRIAGE / ATTACHMENT	Hook on type	●
		Integral side shift	□
		Integral side shift + fork positioner	□
		Side shift (hook on type)	□
	Backrest	●	

DIMENSIONS



DESCRIPTION				25DE-9V / 30DE-9V / 35DE-9V
HYDRAULICS	MCV	3 Spool MCV	●	
		2 or 4 Spool MCV	□	
	OIL	HYD oil - VG 32	●	
		HYD oil - VG 15 or VG 68	□	
TYRES		Pneumatic	●	
		Superelastic	□	
		Non-marking	□	
VISIBILITY	LAMP	Front LED	●	
		Front & rear LED	□	
	CAMERA	Rear camera (separate monitor)	□	
		Front & rear camera (separate monitor)	□	
	MIRROR	Panorama mirror	●	
		Panorama mirror & back mirror LH/RH	□	
CONVENIENCE		Load sensor	□	
		Auto tilt	□	
SAFETY		Seatbelt interlock	●	
		Master switch (cut off electricity from battery)	□	
		Hazard switch	□	
		LED beacon lamp	□	
		Safety lamp - rear blue, red zone	□	
		Rear grip with horn button	□	
OTHERS		Fire extinguisher	□	
		Pre-air cleaner	□	

● Standard □ Optional

MAST SPECIFICATION

TYPE SHEET FOR INDUSTRIAL TRUCK ACC. TO VDI 2198									
MAST TYPE		MAX FORK HEIGHT h3 (mm)	MAX MAST HEIGHT with backrest h4 (mm)	LOWERED HEIGHT h1 (mm)	FREE LIFT HEIGHT with backrest h2 (mm)	TILT ANGLE Fwd / Bwd (°)	LOAD CAPACITY @ LC 500MM		TRUCK WEIGHT (UNLOADED)
							No Attachment (single tire) (kg)	Integral Side Shift (single tire) (kg)	Standard Configuration** (single tire) (kg)
25DE-9V									
V-Duplex-No Free Lift	V300	3000	4180	2025	155	6° / 10°	2500	2500	3325
	V330	3300	4480	2175	155	6° / 10°	2500	2500	3344
	V400	4000	5180	2575	155	6° / 10°	2430	2430	3402
	V450	4500	5680	2875	155	6° / 6°	2330	2330	3463
VF-Duplex-Free Lift-1 Central Cylinder	V500	5000	6180	3125	155	6° / 6°	2240	2240	3497
	VF295	2976	4156	2025	1377	6° / 6°	2500	2500	3325
	VF325	3276	4456	2175	1527	6° / 6°	2500	2500	3344
	VF345	3476	4656	2275	1627	6° / 6°	2500	2500	3357
TF-Triplex-Free Lift-1 Central Cylinder	TF430	4300	5480	2025	1377	6° / 6°	2340	2340	3471
	TF450	4500	5680	2125	1477	6° / 6°	2300	2300	3488
	TF470	4700	5880	2175	1527	6° / 6°	2270	2270	3497
	TF500	5000	6180	2275	1627	6° / 6°	2220	2220	3515
TS-Triplex-Free Lift-2 Central Cylinders	TF550	5500	6680	2475	1827	6° / 6°	2130	2130	3552
	TF600	6000	7180	2675	2027	6° / 6°	2040	2040	3632
	TS430	4300	5480	2025	1377	6° / 6°	2340	2340	3487
	TS450	4500	5680	2125	1477	6° / 6°	2300	2300	3503
	TS470	4700	5880	2175	1527	6° / 6°	2270	2270	3513
	TS500	5000	6180	2275	1627	6° / 6°	2220	2220	3532
	TS550	5500	6680	2475	1827	6° / 6°	2130	2130	3568
	TS600	6000	7180	2675	2027	6° / 6°	2040	2040	3649
30DE-9V									
V-Duplex-No Free Lift	V300	3000	4180	2040	155	6° / 10°	3000	3000	3767
	V330	3300	4480	2190	155	6° / 10°	3000	3000	3786
	V400	4000	5180	2590	155	6° / 10°	2910	2910	3844
	V450	4500	5680	2890	155	6° / 6°	2800	2800	3904
	V500	5000	6180	3140	155	6° / 6°	2690	2690	3939
VF-Duplex-Free Lift-1 Central Cylinder	VF295	2976	4156	2040	1392	6° / 6°	3000	3000	3760
	VF325	3276	4456	2190	1542	6° / 6°	3000	3000	3779
	VF345	3476	4656	2290	1642	6° / 6°	3000	3000	3792
TF-Triplex-Free Lift-1 Central Cylinder	TF430	4300	5480	2040	1392	6° / 6°	2820	2820	3906
	TF450	4500	5680	2140	1492	6° / 6°	2780	2780	3923
	TF470	4700	5880	2190	1542	6° / 6°	2740	2740	3932
	TF500	5000	6180	2290	1642	6° / 6°	2680	2680	3950
	TF550	5500	6680	2490	1842	6° / 6°	2580	2580	3987
TS-Triplex-Free Lift-2 Central Cylinders	TF600	6000	7180	2690	2042	6° / 6°	1960	1960	4067
	TS430	4300	5480	2025	1377	6° / 6°	2820	2820	3938
	TS450	4500	5680	2125	1477	6° / 6°	2780	2780	3935
	TS470	4700	5880	2175	1527	6° / 6°	2740	2740	3945
	TS500	5000	6180	2275	1627	6° / 6°	2680	2680	3964
	TS550	5500	6680	2475	1827	6° / 6°	2580	2580	4000
	TS600	6000	7180	2675	2027	6° / 6°	1960	1960	4080
35DE-9V									
V-Duplex-No Free Lift	3000	3000	4180	2040	155	6° / 10°	3500	3500	4131
	3300	3300	4480	2190	155	6° / 10°	3500	3500	4150
	4000	4000	5180	2590	155	6° / 10°	3440	3440	4208
	4500	4500	5680	2890	155	6° / 6°	3300	3300	4268
VF-Duplex-Free Lift-1 Central Cylinder	5000	5000	6180	3140	155	6° / 6°	3180	3180	4303
	2976	2976	4156	2040	1392	6° / 6°	3500	3500	4124
	3276	3276	4456	2190	1542	6° / 6°	3500	3500	4143
	3476	3476	4656	2290	1642	6° / 6°	3500	3500	4156
TF-Triplex-Free Lift-1 Central Cylinder	4300	4300	5480	2040	1392	6° / 6°	3340	3340	4270
	4500	4500	5680	2140	1492	6° / 6°	3290	3290	4287
	4700	4700	5880	2190	1542	6° / 6°	3240	3240	4296
	5000	5000	6180	2290	1642	6° / 6°	3170	3170	4314
	5500	5500	6680	2490	1842	6° / 6°	2860	2860	4351
TS-Triplex-Free Lift-2 Central Cylinders	6000	6000	7180	2690	2042	6° / 6°	1810	1810	4431
	4300	4300	5480	2025	1377	6° / 6°	3340	3340	4302
	4500	4500	5680	2125	1477	6° / 6°	3290	3290	4299
	4700	4700	5880	2175	1527	6° / 6°	3240	3240	4309
	5000	5000	6180	2275	1627	6° / 6°	3170	3170	4328
	5500	5500	6680	2475	1827	6° / 6°	2860	2860	4364
	6000	6000	7180	2675	2027	6° / 6°	1810	1810	4444