



Technical specifications

IC forklift trucks, series VRD / VRG Europe

Item		Model	VRD15e /VRG15e	VRD18e /VRG18e	VRD20e /VRG20e	VRD25e /VRG25e	VRD30e /VRG30e	VRD35e /VRG35e
Main specification	Load capacity [kgf]		1500	1800	2000	2500	3000	3500
	Load centre [mm]		500	500	500	500	500	500
	Max. lifting speed [mm/sec]	no load	780 / 780	780 / 780	730 / 710	730 / 710	600 / 580	600 / 580
		full load	680 / 680	680 / 680	630 / 610	630 / 610	500 / 480	500 / 480
	Max lowering speed [mm/sec]	no load	500 / 500	500 / 500	480 / 480	480 / 480	460 / 460	460 / 460
		full load	530 / 530	530 / 530	520 / 520	520 / 520	510 / 510	510 / 510
	Max. travel speed [km/hr]	forward	21	21	21	21	22	22
		reverse	20	20	20	20	21	21
	Max. gradeability [tan θ]	no load	38% / 37%	35% / 34%	39% / 38%	34% / 30%	31% / 30%	26% / 25%
		full load	34% / 33%	31% / 30%	35% / 34%	29% / 28%	27% / 26%	22% / 21%
Fuel tank capacity [l]		50	50	70	70	75	75	
Oil tank capacity [l]		50	50	70	70	75	75	
Net weight [kgf]		2800	3000	3600	3850	4280	4600	
Truck dimensions	Overall width	A	1050	1050	1150	1150	1260	1390
	Max. width between two forks	B	1050	1050	1150	1150	1260	1260
	Front wheels track	C	880	880	960	960	1030	110
	Min. width between two forks	D	200	200	240	240	250	250
	Width of single fork	E	100	100	120	120	125	125
	Intersection aisle	F	1880	1915	2100	2160	2330	2390
	Rear wheels tread	G	900	900	970	970	970	970
	Min. turning radius (inside)	H	280	280	320	320	360	360
	Min. turning radius (outside)	I	1860	1900	2080	2150	2300	2400
	Min. working radius (I + R)	J	2260	2295	2515	2575	2765	2825
	Max. Load Backrest height	K	3955*	3955*	3955*	3955*	4035*	4035*
	Max. fork height	L	3000*	3000*	3000*	3000*	3000*	3000*
	Height of lowered mast	M	2010*	2010*	2010*	2010*	2025*	2025*
	Free lift height	N	160*	160*	160*	160*	160*	160*
	Height of Load Backrest	O	955	955	955	955	1035	1035
	Max. thickness of fork	P	35	35	40	40	45	45
	Fork length	Q	1220	1220	1220	1220	1220	1220
	Distance between fork face and front wheel axis	R	420	420	455	455	485	485
	Wheel base	S	1400	1400	1600	1600	1700	1700
	Distance between back and rear wheel axis	T	420	455	400	460	465	525
Overall length	U	3460	3495	3675	3735	3870	3930	
Height of tail	V	280	280	300	300	320	320	

Item	Model	VRD15e	VRD18e	VRD20e	VRD25e	VRD30e	VRD35e
		/VRG15e	/VRG18e	/VRG20e	/VRG25e	/VRG30e	/VRG35e
Height of body	W	995	998	1065	1070	1090	1095
Height of steering wheel	X	1250	1250	1350	1350	1365	1365
Height of overhead guard	Y	2000	2000	2060	2060	2075	2075
Space of driver's seat	Z	550-720	550-720	580-750	580-750	580-750	580-750
Front tire specification	AA	6.50-10-10PR	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	8.15-15-12PR	28-12.5-15PR
Rear tire specification	AB	5.00-8-8PR	5.00-8-8PR	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR
Engine	Model	ISUZU 4LE1 (NISSAN H20)		ISUZU 4JG2 (NISSAN H25)			
	Peak torque / turning speed [<i>kgf.m/rpm</i>]	14,3 / 1600 (14,5/1800)		19,0/1600 (18,3/2000)			
	Rated power / turning speed [<i>bhp/rpm</i>]	45,0 / 2400 (44,0/2400)		61,0 / 2400 (56,0/2400)			
	Displacement τ [<i>cm³</i>]	2179 (1982)		3059 (2472)			