

ALLE AFMETINGEN EN DOORRIJHOOGTES  
ZIJN STEEDS OP AANVRAAG,  
ONGEACHT DE VERMELDE AFMETINGEN  
IN DEZE TECHNISCHE FICHE



FD100-9

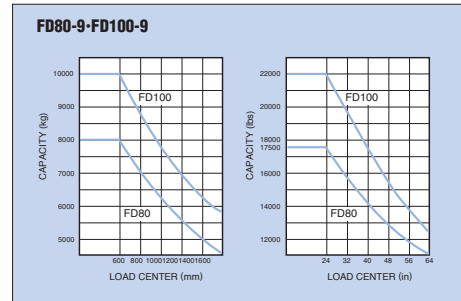
STANDARD SPECIFICATIONS

Characteristics		TCM			
1	Manufacturer	TCM			
2	Model	FD100-9			
3	Loading Capacity	kg(lbs)	10000 (22000)		
4	Load Center	mm(in.)	600 (24)		
5	Power Type	Diesel			
6	Operator Type	Sit Down Rider Type			
7	Tire Type	Front/Rear	Pneumatic		
8	Wheels (X=driven)	Front/Rear	4 x / 2		
9	Standard Lifting Height	mm(in.)	3000 (118)		
10	Free Lift	mm(in.)	205 (8.1)		
13	Fork Size	L x W x T	1220x180x75(48.0x7.1x3.0)		
14	Tilt Range	Fwd/Bwd	6 / 12		
15	Length to Fork Face	mm(in.)	4255 (167.5)		
16	Overall Width	mm(in.)	2245 (88.4)		
17	Mast Height Fork Lowered	mm(in.)	2850 (112.2)		
18	Overall Height, Fork Raised	mm(in.)	4330 (170.5)		
19	Overhead Guard Height**	mm(in.)	2610 (102.8)		
21	Turning Radius (Outside)	mm(in.)	3900 (153.5)		
22	Fork Overhang (Centerline of Front Axle to Front Fork Face)	mm(in.)	710 (28.0)		
23	Basic Right Angle Stacking Aisle Width	mm(in.)	6250 (246.1)		
24	Travel Max.	With Load	km/h(mph)	21 (13.0)	
		Without Load	km/h(mph)	28 (17.4)	
	Speeds	With Load	mm/s(fpm)	320 (63.0)	
		Without Load	mm/s(fpm)	350 (68.9)	
26	Lowering	With Load	mm/s(fpm)	470 (92.5)	
		Without Load	mm/s(fpm)	340 (66.9)	
28	Max. Drawbar Pull	With/without load	kN(lbs)	57.3(12900) / 31.4(7050)	
29	Gradeability at (1.6km/h or 1mph)	With Load	%(tan θ)	22	
30	Max. Gradeability**	With/without load	%(tan θ)	24/20	
32	Total Weight		kg(lbs)	12320 (27170)	
33	Weight Distribution	With Load	Front	kg(lbs)	20110 (44340)
			Rear	kg(lbs)	2210 (4870)
		Without Load	Front	kg(lbs)	5430 (11970)
			Rear	kg(lbs)	6890 (15190)
35	Number	Front/Rear		4 / 2	
36	Tire	Front	Size	9.00x20-14PR	
		Rear	Size	9.00x20-14PR	
38	Wheelbase		mm(in.)	2800 (110.2)	
39	Tread	Front/Rear	mm(in.)	1600 (63.0) / 1700 (66.9)	
40	Underclearance	at lowest point	mm(in.)	245 (9.6)	
41		at Frame	mm(in.)	330 (13.0)	
42	Brake	Service		Hydraulic-Foot pedal	
43		Parking		Mechanical-Hand lever	
45	Battery	Voltage/Capacity		2 x 12V-70AH / 20h	
49		Make-Model		mitsubishi 56K-EST	
50		Rated Horsepower/r.p.m.		72 kW/2000 r.p.m. -98 PS/2000 r.p.m.(SAE GROSS 93.7HP/2000r.p.m.)	
51	Internal Combustion Engine	Max. Torque/r.p.m.		474 N·m/1200 r.p.m. -48.3 kgf·m/1200 r.p.m.(SAE GROSS 350ft·lbs/1200r.p.m.)	
52		Number of Cylinder		6	
		Displacement	lit(cu-in)	6.373 (388.9)	
		Fuel Tank Capacity	lit(US gal)	140 (37.0)	
55	Transmission	Number of Speed Fwd/Rvs-Type		2/2-Automatic Power shift	
57	Operating Pressure	For Attachment	kg/cm² (psi)	200 (2844)	

\*\*Computed values (Travel speed 0km/h) \*\*\*In European Export Units +10mm(0.4in)

Models	FD100-9	
	mm	in
① Overall height, Fork Raised (with backrest)	4330	170.5
② Standard lifting height	3000	118.0
③ Mast height, Fork lowered (upright)	2850	112.2
④ Load backrest height		
⑤ Free lift	205	8.1
⑥ Fork thickness	75	3.0
⑦ Min.underclearance	245	9.6
⑧ Overall length (with forks)	5470	215.4
⑨ Overall length (without forks)	4255	167.5
⑩ Fork length	1220	48.0
⑪ Fork overhang	710	28.0
⑫ Wheelbase	2800	110.2
⑬ Rear overhang	740	29.1
⑭ Coupler height	620	24.4
⑮ Machine height (without overhead guard and mast)**	1910	75.2
⑯ Overhead guard clearance (from face of seat)**	1100	43.3
⑰ Overhead guard height***	2610	102.8
⑱ Overall width	2245	88.4
⑲ Lateral fork adjustment (outside of forks)	405-2145	15.9-84.4
⑳ Tread (front)	1600	63.0
㉑ Tread (rear)	1700	66.9
㉒ Fork width	180	7.1
㉓ Inside turning radius	200	7.9
㉔ Outside turning radius	3900	153.5
㉕ Min.intersecting aisle	3540	139.4
㉖ Tilt range (forward-backward)	6° / 12°	

LOADCHART



STANDARD EQUIPMENTS

- Wide View Mast • Cyclopak air cleaner with dust indicator • Load check valve
- Glow plug indicator • Drawbar-pin • Starter switch • Load backrest • Long life tires • Overhead Guard
- Power brake • Power steering • Automatic shifting T/M
- Column shift direction change • Radiator reserve tank • Retaining Rollers
- Full wide carriage • Converter oil cooler • Head & turn signal lights • Charging light • Hour meter
- Engine oil pressure warning light • Water temperature gauge
- Fuel gauge • Back-up light • Horn • Key switch engine stop • Neutral safety switch • Documents clip • Rear view mirrors • Tool set • Back-up buzzer • Suspension seat • Tilt adjustable handle

OPTIONAL EQUIPMENTS & ACCESSORIES

- Central greasing • Cold weather spec. • Catalytic muffler • Fire extinguisher
- Steel Cabin • Heater • Port relief valves • Rear working light
- Right hand direction change • Solid tires • Head & turn signal lights • Overhead exhaust • Water separator
- Tilt cylinder boots • Strober light • Steel net on head guard
- Speedometer • Plate fin radiator • others on request.

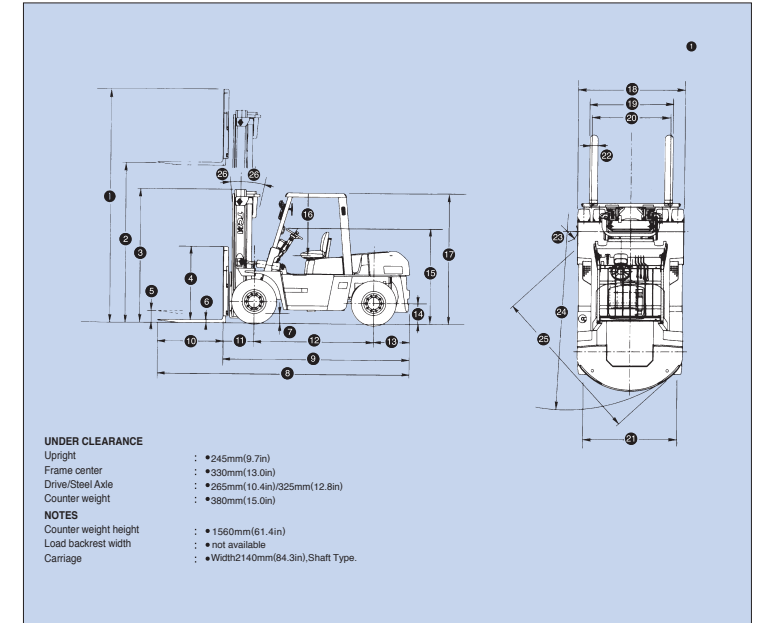
ATTACHMENTS

- Side shift • Fork positioner • Hinged Forks • Ram • Fork extension sleeves
- Long forks • Load grab • others on request.

NOTES

- Overhead guard meets ANSI B56.1 and ISO-6055
- Meets following major standards

STANDARD DIMENSIONS



UNDER CLEARANCE

- Upright : \*245mm(9.7in)
- Frame center : \*330mm(13.0in)
- Drive/Steel Axle : \*265mm(10.4in)/325mm(12.8in)
- Counter weight : \*380mm(15.0in)

NOTES

- Counter weight height : \* 1560mm(61.4in)
- Load backrest width : \*not available
- Carriage : \*Width2140mm(84.3in),Shaft Type.

FD100-9 Wide View Mast VM

Upright Model	Capacity at Load Center 600mm (24 in)		Max. Fork Height		Overall Mast Height				Free Lift		Tilting Angle Fwd-Bkd Degree	Service Weight	
	kg	lbs	mm	in	Lowered	Raised with Backrest		mm	in	kg		lbs	
VM300	10000	22000	3000	118.0	2850	112.2	4330	170.5	200	7.9	6-12	12320	27110
VM330	10000	22000	3300	129.9	3000	118.0	4630	182.3	200	7.9	6-12	12385	27250
VM350	10000	22000	3500	137.8	3100	122.0	4830	190.2	200	7.9	6-12	12430	27350
VM400	10000	22000	4000	157.5	3400	133.9	5330	209.8	200	7.9	6-12	12680	27900
VM450	10000	22000	4500	177.2	3650	143.7	5830	229.5	200	7.9	6-12	12790	28140
VM500	10000	22000	5000	196.9	3900	153.5	6330	249.2	200	7.9	6-6	12890	28360
VM550	9000	19800	5500	216.5	4200	165.4	6830	268.9	200	7.9	3-6	13140	28910
VM600	8000	17600	6000	236.2	4450	175.2	7330	288.6	200	7.9	3-6	13250	29160

TCM products and specifications are subject to change without notice.