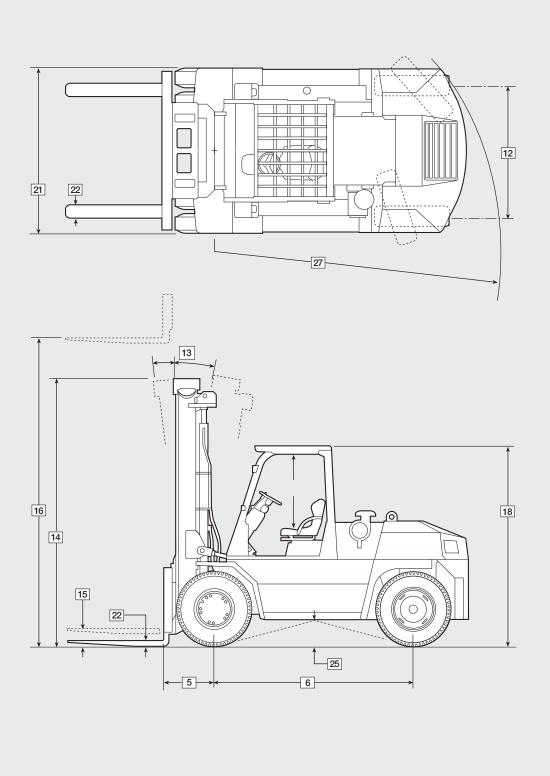




Pneumatic Tire Lift Trucks



MEX50 PNEUMATIC TIRE LIFT TRUCKS



MEX50 PNEUMATIC TIRE LIFT TRUCK SPECIFICATIONS

	GENERAL				D100-8	D115-8	D135-8	
1	Power Type				Diesel	Diesel	Diesel	
2	Operation Type				Sit-Down	Sit-Down	Sit-Down	
3	Operation Type Rated Capacity* Ibs. (kg)			lbs (kg)	22,000 (10000)	25,000 (11500)	30,000 (13500)	
4	1 3				24 (600)	24 (600)	24 (600)	
5	`				27.4 (695)	28.1 (715)	29.1 (740)	
		ont Axie Cente	er to Fork Face			110.2 (2800)		
6	Wheelbase in. (mm)				110.2 (2800)	110.2 (2800)	122.0 (3100)	
	WEIGHT				00 (00 (1000)	04.440.440.40	0.4.400 (4.5.400)	
7	Service Weight lbs. (kg)				28,620 (12980)	31,660 (14360)	34,130 (15480)	
		Loaded	Front	lbs. (kg)	45,990 (20860)	51,790 (23490)	58,310 (36450)	
8	Axle Loading		Rear	lbs. (kg)	4,670 (2120)	5,220 (2370)	5,580 (2530)	
	3	Unloaded	Front	lbs. (kg)	13,730 (6230)	14,530 (6590)	15,670 (7110)	
			Rear	lbs. (kg)	14,880 (6750)	17,130 (7770)	18,450 (8370)	
	TIRES							
9	Tire Type				Pneumatic	Pneumatic	Pneumatic	
10	Tire Size	Front			9.00-20-14PR (I)	10.00-20-14PR (I)	11.00-20-14PR (I)	
	Rear				9.00-20-14PR (I)	10.00-20-14PR (I)	11.00-20-14PR (I)	
11	Number of Wheel	I - Front/Rear (x=driven)			4x/2	4x/2	4x/2	
12	Tread,	Front		in. (mm)	66.9 (1700)	66.9 (1700)	69.7 (1770)	
12	(center of tires)	Rear		in. (mm)	74.8 (1900)	74.4 (1890)	74.4 (1890)	
	DIMENSIONS							
13				degree	6/12	6/12	6/12	
14				in. (mm)	113.8 (2890)	124.4 (3160)	124.8 (3170)	
	Std. Free Lift with			in. (mm)	0.0 (0)	0.0 (0)	0.0 (0)	
16	Maximum Fork He	eiaht**		in. (mm)	118 (3000)	118 (3000)	118 (3000)	
		Mast Height, Extended with Std. Mast in. (mm)		173.2 (4400)	183.9 (4670)	184.3 (4680)		
	Height, Overhead			in. (mm)	109.4 (2780)	110.2 (2800)	110.6 (2810)	
19				in. (mm)	215.2 (5465)	216.7 (5505)	230.7 (5860)	
	Length, to fork fac			in. (mm)	167.1 (4245)	168.7 (4285)	182.7 (4640)	
	Width, at tire			in. (mm)	89.8 (2280)	90.9 (2310)	94.9 (2410)	
	Forks (Thickness x	Width x Lenc	ıth)	, ,		3.0x7.3x48.0 (75x185x1220)		
	Fork Carriage Clas		,,	(,	Pin Mount	Pin Mount	Pin Mount	
	Width, Fork Carria			in. (mm)	84.3 (2140)	84.3 (2140)	86.6 (2200)	
	Ground Clearance Under the Mast		/last	in. (mm)	9.8 (250)	9.8 (250)	10.2 (260)	
	Ground Groundries		er of wheelbas		12.8 (325)	13.6 (345)	13.8 (350)	
26	Right Angle Stacki			in. (mm)	240.7 (6115)	241.9 (6145)	254.3 (6460)	
	Turning Radius	g / p.u.c	ioda iongai į	in. (mm)	157.5 (4000)	157.9 (4010)	169.3 (4300)	
	PERFORMANO	^E		(,	(10717 (1010)	107.0 (1000)	
28	Travel Speed	Loaded, 1st	·/2nd/3rd	mph (km/h)	5.3/11.2/17.4 (8.5/18/28)	5.3/11.8/17.4 (8.5/19/28)	5.6/12.1/17.1 (9/19.5/27.5)	
20	(FWD)	Unloaded, 1st		mph (km/h)	5.6/12.4/19.9 (9/20/32)	5.6/13.0/19.9 (9/21/32)	5.9/13.0/20.2 (9.5/21/32)	
20	•		150/2110/310	пірп (кп/п)	3.0/12.4/17.7 (7/20/32)	· · · · · · · · · · · · · · · · · · ·	3.7/13.0/20.2 (7.3/21/32)	
	Litting Speed (Loa	dod/Haloado	۹)	from (mm/c)	03/08 (470/500)	85/80 (430/450)	60/74 (350/375)	
20	Lawaring Chand (ded/Unloade		fpm (mm/s)		85/89 (430/450)	69/74 (350/375)	
	Lowering Speed (I	Loaded/Unloa		fpm (mm/s)	78.7/98.4 (400/500)	78.7/98.4 (400/500)	78.7/98.4 (400/500)	
31	Max. Drawbar Pull	Loaded/Unloa (Loaded)	ided)	fpm (mm/s) lbs. (kN)	78.7/98.4 (400/500) 23,800 (105)	78.7/98.4 (400/500) 23,300 (103)	78.7/98.4 (400/500) 22,700 (101)	
31 32	Max. Drawbar Pull Max. Gradeability	Loaded/Unloa (Loaded) (Loaded 1.5ki	ided) m/h, 3min rati	fpm (mm/s) lbs. (kN)	78.7/98.4 (400/500) 23,800 (105) 38	78.7/98.4 (400/500) 23,300 (103) 32	78.7/98.4 (400/500) 22,700 (101) 27	
31 32 33	Max. Drawbar Pull Max. Gradeability Service Brake (Op	Loaded/Unloa (Loaded) (Loaded 1.5k eration/Contr	nded) m/h, 3min rati ol)	fpm (mm/s) lbs. (kN)	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered	
31 32 33 34	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op	Loaded/Unloa (Loaded) (Loaded 1.5k eration/Contr	nded) m/h, 3min rati ol)	fpm (mm/s) lbs. (kN)	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical	
31 32 33 34	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type)	Loaded/Unloa (Loaded) (Loaded 1.5k eration/Contr	nded) m/h, 3min rati ol)	fpm (mm/s) lbs. (kN)	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered	
31 32 33 34 35	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type) DRIVE	Loaded/Unloa (Loaded) (Loaded 1.5k eration/Contr	nded) m/h, 3min rati ol)	fpm (mm/s) lbs. (kN)	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering	
31 32 33 34 35	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type) DRIVE Make/Model	Loaded/Unload (Loaded) (Loaded 1.5k) eration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Contr	nded) m/h, 3min rati ol)	fpm (mm/s) lbs. (kN) ng) %	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1	
31 32 33 34 35 36 37	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type) DRIVE Make/Model Rated Output, SA	Loaded/Unload (Loaded) (Loaded 1.5k) eration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Contr	nded) m/h, 3min rati ol)	fpm (mm/s) bs. (kN) ng) %	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122)	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122)	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122)	
31 32 33 34 35 36 37 38	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type) DRIVE Make/Model Rated Output, SA Rated Speed	Loaded/Unload (Loaded) (Loaded 1.5k) (Loaded 1.5k) eration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Controeration/Contr	nded) m/h, 3min rati ol) ol)	fpm (mm/s) lbs. (kN) ng) % HP (kW) min-1	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200	
31 32 33 34 35 36 37 38 39	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type) DRIVE Make/Model Rated Output, SAI Rated Speed Max Torque, SAE	Loaded/Unloaded (Loaded 1.5k) (Loaded 1.5k) eration/Contriberation	nded) m/h, 3min rati ol) ol)	fpm (mm/s)	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600	
31 32 33 34 35 36 37 38 39	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type) DRIVE Make/Model Rated Output, SAI Rated Speed Max Torque, SAE I No. of Cylinder/Di	Loaded/Unloaded (Loaded 1.5k) (Loaded 1.5k) eration/Contriberation	nded) m/h, 3min rati ol) ol)	fpm (mm/s) lbs. (kN) ng) % HP (kW) min-1	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200	
31 32 33 34 35 36 37 38 39	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type) DRIVE Make/Model Rated Output, SAI Rated Speed Max Torque, SAE	Loaded/Unloaded (Loaded 1.5k) (Loaded 1.5k) eration/Contriberation	nded) m/h, 3min rati ol) ol)	fpm (mm/s)	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600	
31 32 33 34 35 36 37 38 39 40	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type) DRIVE Make/Model Rated Output, SAI Rated Speed Max Torque, SAE I No. of Cylinder/Di	Loaded/Unloaded (Loaded) (Loaded 1.5k) eration/Controleration/Cont	nded) m/h, 3min rati ol) ol)	fpm (mm/s)	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600	
31 32 33 34 35 36 37 38 39 40	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type) DRIVE Make/Model Rated Output, SAI Rated Speed Max Torque, SAE No. of Cylinder/Di	Loaded/Unloaded (Loaded) (Loaded 1.5k) eration/Controleration/Cont	nded) m/h, 3min rati ol) ol)	fpm (mm/s) lbs. (kN) ng) % HP (kW) min-1 l-m) @ min-1 cu.in (cm³)	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600 6/408 (6690)	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600 6/408 (6690)	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600 6/408 (6690)	
31 32 33 34 35 36 37 38 39 40 41 42	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type) DRIVE Make/Model Rated Output, SAI Rated Speed Max Torque, SAE No. of Cylinder/Di OTHER Fuel Tank Capacity	Loaded/Unloaded (Loaded) (Loaded 1.5k) (Loaded 1.5k) eration/Control eration/C	nded) m/h, 3min rati ol) ol)	fpm (mm/s) lbs. (kN) ng) % HP (kW) min-1 cu.in (cm³) US gal (Ltr)	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600 6/408 (6690)	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600 6/408 (6690)	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600 6/408 (6690) 74.0 (280)	
31 32 33 34 35 36 37 38 39 40 41 42	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type) DRIVE Make/Model Rated Output, SAI Rated Speed Max Torque, SAE No. of Cylinder/Di OTHER Fuel Tank Capacity Relief Pressure for Hydraulic Tank Ca	Loaded/Unloaded (Loaded) (Loaded 1.5k) (Loaded 1.5k) eration/Control eration/C	nded) m/h, 3min rati ol) ol)	fpm (mm/s) lbs. (kN) ng) % HP (kW) min-1 l-m) @ min-1 cu.in (cm³) US gal (Ltr) psi (bar)	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600 6/408 (6690) 68.7 (260) 3,118 (215)	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600 6/408 (6690) 68.7 (260) 3,118 (215)	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600 6/408 (6690) 74.0 (280) 3,118 (215)	
31 32 33 34 35 36 37 38 39 40 41 42 43 44	Max. Drawbar Pull Max. Gradeability Service Brake (Op Parking Brake (Op Steering (Type) DRIVE Make/Model Rated Output, SAI Rated Speed Max Torque, SAE I No. of Cylinder/Di OTHER Fuel Tank Capacity Relief Pressure for Hydraulic Tank Ca	Loaded/Unloaded (Loaded) (Loaded 1.5k) (Loaded 1.5k) eration/Control eration/Control E net isplacement y Attachment pacity	nded) m/h, 3min rati ol) ol) lb ft. (N	fpm (mm/s) lbs. (kN) ng) % HP (kW) min-1 l-m) @ min-1 cu.in (cm³) US gal (Ltr) psi (bar)	78.7/98.4 (400/500) 23,800 (105) 38 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600 6/408 (6690) 68.7 (260) 3,118 (215) 48 (180)	78.7/98.4 (400/500) 23,300 (103) 32 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600 6/408 (6690) 68.7 (260) 3,118 (215) 48 (180)	78.7/98.4 (400/500) 22,700 (101) 27 Foot/Hydraulic, Powered Hand/Mechanical Hydraulic Power Steering Komatsu SAA6D107E-1 164 (122) 2200 424 (575)@1600 6/408 (6690) 74.0 (280) 3,118 (215) 55 (210)	

NOTE: Most values shown in this publication are rounded. Therefore, direct conversion between metric and English or Imperial may be slightly different from those shown. The performance of machines is affected by the condition of the truck and how it is equipped, as well as the nature and condition of the operating area. If these specifications are critical or if your needs exceed the specifications shown here, discuss the proposed application with your authorized dealer. *Optional masts, attachments, longer load dimensions, and higher lifting heights may result in downrating of the capacity. Contact your authorized dealer. **Other mast heights available. See MAST DATA chart for other standard mast heights. Contact your authorized dealer. †Add load distance and clearance. Contact your authorized dealer.

MEX50 PNEUMATIC TIRE LIFT TRUCK SPECIFICATIONS

	GENERAL				D150E-8	D160E-8	
1	Power Type				Diesel	Diesel	
 2	Operation Type				Sit-Down	Sit-Down	
<u>-</u>	Rated Capacity* lbs. (kg)				33,000 (15000)	35,000 (16000)	
	Rated Load Cent	er		in. (mm)	24 (600)	24 (600)	
			er to Fork Fa		29.5 (750)	29.5 (750)	
	Load Distance (Front Axle Center to Fork Face) in. (mm) Wheelbase in. (mm)				122.0 (3100)	122.0 (3100)	
	WEIGHT			()	122.0 (0100)	122.0 (3100)	
	Service Weight			lbs. (kg)	36 530 (16570)	37,920 (17200)	
_	Service Weight	Loaded	Front	lbs. (kg)	36,530 (16570)		
		Loaded			63,360 (28740)	66,450 (30140) 6,750 (3060)	
	Axle Loading	Unloaded	Rear Front	lbs. (kg)	6,240 (2830)	, , ,	
		Unioaded	Rear	lbs. (kg)	15,900 (7210) 20,640 (9360)	15,810 (7170)	
	TIDEC		Rear	lbs. (kg)	20,640 (9360)	22,110 (10030)	
	TIRES						
_	Tire Type				Pneumatic	Pneumatic	
)	Tire Size	Front			11.00-20-16PR (I)	12.00-20-16PR (I)	
		Rear			11.00-20-16PR (I)	12.00-20-16PR (I)	
	Number of Whee		(x=driven)		4x/2	4x/2	
2	Tread,	Front		in. (mm)	69.7 (1770)	69.7 (1770)	
	(center of tires)	Rear		in. (mm)	74.4 (1890)	73.6 (1870)	
	DIMENSIONS						
3	Tilting Angle (For	ward/Backwar	rd)	degree	6/12	6/12	
ŀ	Mast Height, Low	ered with Std.	. Mast	in. (mm)	128.7 (3270)	129.5 (3290)	
5	Std. Free Lift with	9 -		in. (mm)	0.0 (0)	0.0 (0)	
5	Maximum Fork H	laximum Fork Height** ir		in. (mm)	118 (3000)	118 (3000)	
7	Mast Height, Exte	<u> </u>		in. (mm)	188.2 (4780)	189.0 (4800)	
3	Height, Overhead	Height, Overhead Guard in. (mm)			110.6 (2810)	111.4 (2830)	
7	Length, with Std.	Length, with Std. Forks in. (mm)		233 (5920)	237 (6020)		
)	Length, to fork fa	ce		in. (mm)	185 (4700)	189 (4800)	
1	Width, at tire in. (mm)			in. (mm)	94.9 (2410)	97.6 (2480)	
2	Forks (Thickness x Width x Length) in. (mm)		3.3x7.5x48.0 (85x190x1220)	3.3x8.3x48.0 (85x210x1220)			
3	Fork Carriage Class		Pin Mount	Pin Mount			
	Width, Fork Carri			in. (mm)	86.6 (2200)	86.6 (2200)	
	Ground Clearance		Mast	in. (mm)	9.8 (250)	10.6 (270)	
		at the cente	er of wheelba		13.8 (350)	14.6 (370)	
5	Right Angle Stack				256.7 (6520)	262.6 (6670)	
	Turning Radius	5		in. (mm)	171.3 (4350)	177.2 (4500)	
	PERFORMAN	CE		()	,		
3	Travel Speed	Loaded, 1s	t/2nd/3rd	mph (km/h)	5.6/12.1/17.1 (9/19.5/27.5)	5.9/12.4/17.4 (9.5/20/28)	
	(FWD)	Unloaded,		mph (km/h)	5.9/13.0/20.2 (9.5/21/32)	6.2/13.4/20.5 (10/21.5/32)	
,	Lifting Speed (Lo			fpm (mm/s)	64/69 (325/350)	63/68 (320/345)	
	Lowering Speed (Lo			fpm (mm/s)	79/79 (400/400)	79/79 (400/400)	
	Max. Drawbar Pu			lbs. (kN)	21,350 (94)	21,170 (94)	
	Max. Gradeability		m/h 3min ra		23	22	
_	Service Brake (Op	-	· · · · · · · · · · · · · · · · · · ·	9/ /0	Foot/Hydraulic, Powered	Foot/Hydraulic, Powered	
	Parking Brake (O				Hand/Mechanical	Hand/Mechanical	
	Steering (Type)	Jeration/Conti	101)		Hydraulic Power Steering	Hydraulic Power Steering	
					riyaradiic i ower steering	Trydraulic I ower Steering	
	DRIVE				V CAA/D4075.4	V CAA/D4075.4	
_	Maker/Model			115 (1)40	Komatsu SAA6D107E-1	Komatsu SAA6D107E-1	
_	Rated Output, SA	LE net		HP (kW)	164 (122)	164 (122)	
_	Rated Speed			min-1	2200	2200	
-	Max Torque, SAE		Ib ft. (N-m) @ min-1	424 (575)@1600	424 (575)@1600	
)	No. of Cylinder/D	Displacement		cu.in (cm³)	6/408 (6690)	6/408 (6690)	
	OTHER						
Ĺ	Fuel Tank Capaci	ty		US gal (Ltr)	74.0 (280)	74.0 (280)	
2	Relief Pressure fo	r Attachment		psi (bar)	3,118 (215)	3,118 (215)	
3	Hydraulic Tank Ca	apacity		US gal (Ltr)	55 (210)	55 (210)	
_					Torque Convertor	Tarania Camuartar	
_	Clutch				Torque Converter	Torque Converter	

NOTE: Most values shown in this publication are rounded. Therefore, direct conversion between metric and English or Imperial may be slightly different from those shown. The performance of machines is affected by the condition of the truck and how it is equipped, as well as the nature and condition of the operating area. If these specifications are critical or if your needs exceed the specifications shown here, discuss the proposed application with your authorized dealer.

*Optional masts, attachments, longer load dimensions, and higher lifting heights may result in downrating of the capacity. Contact your authorized dealer.

**Other mast heights available. See MAST DATA chart for other standard mast heights. Contact your authorized dealer.

†Add load distance and clearance. Contact your authorized dealer.

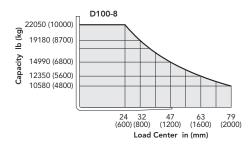
MEX50 TRUCK DATA AND FEATURES

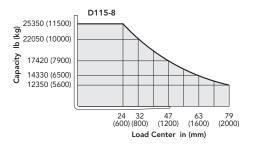
Maximum Fork Height in. (mm)	Overall Height Lowered in. (mm)	Overall Height Extended in. (mm)	Load Capacity lbs. (kg)	Free Lift in. (mm)	Back Tilt Restriction
D100-8 2	2-STAGE VIEW	/ MAST			
118 (3000)	113.8 (2890)	173.2 (4400)	22,000 (10000)		
130 (3300)	119.7 (3040)	185.0 (4700)	22,000 (10000)		
138 (3500)	123.6 (3140)	192.9 (4900)	22,000 (10000)		
146 (3700)	127.6 (3240)	200.8 (5100)	22,000 (10000)		
157 (4000)	133.5 (3390)	212.6 (5400)	22,000 (10000)	0 (0)	12°
177 (4500)	147.2 (3740)	236.2 (6000)	22,000 (10000)		
197 (5000)	163.0 (4140)	261.8 (6650)	22,000 (10000)		
217 (5500)	174.8 (4440)	283.5 (7200)	19,800 (9000)		
236 (6000)	184.6 (4690)	303.1 (7700)	17,600 (8000)		
D115-8 2	2-STAGE VIEW				
118 (3000)	124.4 (3160)	183.9 (4670)	25,000 (11500)		
130 (3300)	130.3 (3310)	195.7 (4970)	25,000 (11500)		
138 (3500)	134.3 (3410)	203.5 (5170)	25,000 (11500)		
146 (3700)	138.2 (3510)	211.4 (5370)	25,000 (11500)		
157 (4000)	148.0 (3760)	219.3 (5770)	25,000 (11500)	0 (0)	12°
177 (4500)	157.9 (4010)	246.8 (6270)	25,000 (11500)		
197 (5000)	175.6 (4460)	274.4 (6970)	25,000 (11500)		
217 (5500)	185.4 (4710)	294.1 (7470)	22,000 (10000)		
236 (6000)	195.3 (4960)	313.8 (7970)	19,800 (9000)		
D135-8 2	2-STAGE VIEW	/ MAST			
118 (3000)	124.8 (3170)	184.3 (4680)	30,000 (13500)		
130 (3300)	130.7 (3320)	196.1 (4980)	30,000 (13500)		
138 (3500)	134.6 (342 0)	203.9 (5180)	30,000 (13500)		
146 (3700)	138.6 (3520)	211.8 (5380)	30,000 (13500)		
157 (4000)	148.4 (3770)	227.6 (5780)	30,000 (13500)	0 (0)	12°
177 (4500)	158.3 (4020)	247.2 (6280)	30,000 (13500)		
197 (5000)	176.0 (4470)	274.8 (6980)	30,000 (13500)		
217 (5500)	185.8 (4720)	294.5 (7480)	26,500 (12000)		
236 (6000)	195.7 (4970)	314.2 (7980)	24,300 (11000)		
D150E-8	2-STAGE VIE				
118 (3000)	128.7 (3270)	188.2 (4780)	33,000 (15000)		
130 (3300)	134.6 (3420)	200.0 (5080)	33,000 (15000)		
138 (3500)	138.6 (3520)	207.9 (5280)	33,000 (15000)		
146 (3700)	142.5 (3620)	215.7 (5480) 227.6 (5780)	33,000 (15000)	0 (0)	100
157 (4000)	148.4 (3770)	227.6 (5780) 247.2 (6280)	33,000 (15000) 33,000 (15000)	0 (0)	12°
177 (4500)	158.3 (4020)				
197 (5000) 217 (5500)	176.0 (4470) 185.3 (4720)	274.8 (6980) 294.5 (7480)	33,000 (15000)		
236 (6000)	195.7 (4970)	314.2 (7980)	29,800 (13500) 26,500 (12000)		
D160E-8	2-STAGE VIE		20,300 (12000)		
118 (3000)	129.5 (3290)	189.0 (4800)	35,300 (16000		
130 (3300)	135.4 (3440)	200.8 (5100)	35,300 (16000)		
138 (3500)	139.4 (3540)	208.7 (5300)	35,300 (16000)		
146 (3700)	143.3 (3640)	216.5 (5500)	35,300 (16000)		
157 (4000)	149.2 (3790)	228.3 (5800)	35,300 (16000)	0 (0)	12°
177 (4500)	159.1 (4040)	248.0 (6300)	35,300 (16000)	J (J)	
197 (5000)	176.8 (4490)	275.6 (7000)	35,300 (16000)		
217 (5500)	186.6 (4740)	295.3 (7500)	32,000 (14500)		
236 (6000)	196.5 (4990)	315.0 (8000)	28,700 (13000)		
(/	()	()	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

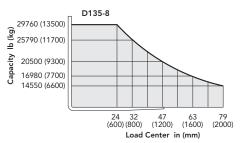


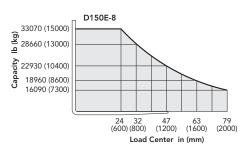
Load capacity at 24in. (600mm) load center.

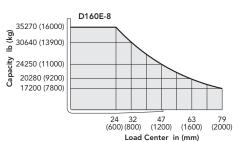
Capacities shown are for trucks equipped with 2-stage view mast up through 197in. (5000mm) maximum fork. Performance specifications are affected by the conditions of the vehicle and how it is equipped as well as the nature and conditions of the operating area. If these specifications are critical, please discuss the proposed application with your distributor or dealer.











FFATURES AND FOUIPMENT

SPECIAL FEATURES

- The Komatsu SAA6D102E-1 diesel industrial engine delivers exceptional power, emission control, and reliable operation for enhanced productivity and fuel efficiency.
- Full floating operator compartment (HSC) greatly reduces operator fatigue by isolating the compartment from engine and traveling vibrations.
- Wide slip resistant steps and assist hand grip makes entry and exit easier.
- Dash display provides easy to read information to the operator and maintenance personnel.

STANDARD EQUIPMENT

- Dash Display Fuel, Water Temperature, Torque Converter oil temperature and Hour Meter Gauges
- Drawbar Pin
- Electronic Ignition; Anti-Restart Ignition Switch
- Engine Oil Pressure and Charge Warning Lamps
- Fully Hydrostatic Power Steering
- Headlights
- Horn
- Deluxe full suspension vinyl seat and Operator Restraint System with Lap Belts
- Overhead Guard

- Sedimeter warning light (Diesel Units)
- Tilting Steering Column
- Torque Converter Oil Cooler
- Turn Signal, Back-up, Stop and Tail Lights

OPTIONAL EQUIPMENT

- Warning Devices Audible
- Warning Devices Visual
- Rear View Mirrors
- Wet disc brakes
- Additional Length Forks
- Attachments
- Auxiliary Hydraulic Valve
- External Hydraulic Hosing

TECHNICAL DATA

ENGINE

SAA6D107E-1 diesel, 6.7 liter turbo-charged engine adopts the latest engine technologies, and dramatically reduces NOx and PM in exhaust. Also, each system usefully interacts for better fuel efficiency and lower noise levels. Reliable fuel filters keep system performance high and protect components. The engine offers full performance and power even in severe conditions.

- Electronic Control System
 The center control unit quickly processes signals from various sensors on the vehicle in order to produce a maximum power in any condition, eliminating possible loss of engine performance.
- Heavy duty High Pressure Common Rail (HPCR) System High pressure compressed fuel stored in an accumulator chamber (common rail) is injected into each cylinder sufficiently at a proper timing be an electronic controlled unit (ECU). This HPCR system promises optimized fuel burning and reduced fuel consumption.
- Piston Head Combustion System
 A unique shape of the combustion chamber on the top surface of each piston facilitates complete fuel burning by optimizing conditions, timings and amounts of fuel injection, which helps reduce NOx and PM in exhaust, as well as fuel consumption.
- Air to Air Charge Air Cooling System
 This system cools high temperature air
 blown be the turbocharger and supplies
 into the cylinders. As a result, the system
 maximizes combustion efficiency and
 emission performance, facilitating high
 output while reducing NOx and
 fuel consumption.

FUEL SYSTEM

Diesel fuel system.

- Large capacity (68.7-74 gal) Integral diesel fuel tank reduces fueling frequency and enables extended non-stop operation.
- Easy to see inspection window mounted on the fuel tank permits reliable checking of fuel levels.

ELECTRICAL SYSTEM

Standard operator conveniences that are optional on most, such as a complete light package, horn and hour meter, are standard on Hamech.

- 12-volt electrical system.
- Warning lights for engine oil pressure, battery charging, brake fluid level, ECCS monitor and operation fault indicator.
- Electrically controlled forward-reverse lever operates at the touch of a finger.

HYDRAULIC SYSTEM

- Large capacity reservoir
- Easy to see inspection window mounted on the oil tank permits reliable checking of oil levels as well as the degree of oil contamination.

FRAME

All welded assembly of heavy gauge steel with integral fuel tank.

 Mainframe structure includes single thick steel plate providing rigidity against twisting caused by static steering, turning, or uneven road surfaces, thus achieving excellent vehicle durability and load handling performance.

TRANSMISSION

The transmission is three speed and is built to exacting specifications. It is specially designed for use in industrial lift trucks. The three speed "Powershift" transmission is also available as an optional automatic with forward / reverse lever.

BRAKES

Hydraulic assisted service brakes with master cylinder booster are self-adjusting and self-centering.

- High friction, large diameter brake linings are housed in the drive axle.
- Enlarged brake covers prevent dirt and water from entering the linings.
- Mechanical parking brake is actuated from adjustable toggle handle on dash allowing for more legroom in the operator's compartment.
- Optional wet disc braking system

MAST, CARRIAGE, LBR & FORKS

High-visibility mast assembly with 4-roller carriage available in 2-Stage Free-View type.

- Sealed bearings for reduced maintenance on carriage.
- Equipped with pin type IV carriage and forks
- Single and double function external hosing is available for operating attachments.

TECHNICAL DATA

OPERATOR COMPARTMENT

A unique full-floating operator compartment (HSC) designed to isolate the operator from fatigue producing vibration.

- Deluxe full suspension seat with retractable seat belt, lateral restraint system, and adjustable seat travel and reclining is standard.
- Hydraulic control levers within easy reach of the operator.
- Tilting steering console positions instrument panel in full view of operator at all times.
- Floor mounted automotive-type pedals with large ribbed pads for comfort and safe operation.
- Full width floor mat provides large nonslip surface, reduces noise, vibration, and heat.

- Large open steps and convenient assist handgrip provides easy entry and exit for the operator.
- Separate inching and braking pedals provide positive control while reducing wear on the drive train.
- Trucks come standard with an integral headlight/turn indicator control. Turn indicator has automatic return to neutral.
- The overhead guard is full width and offers excellent visibility for stacking high loads.
- Rear visibility is enhanced with the shape of the back portion of the rear counterweight.

COMPLIANCE & APPROVALS

Meets or exceeds American National Standards Institute, ASME B56.1 – Part III Safety Standards for Powered Industrial Trucks.

Compliant with UL 558 for the appropriate truck type. Contact your authorized dealer for application specifics. Meets or Exceeds EPA emissions standards

Expect solid support nationwide Hamech, a brand of Cro

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