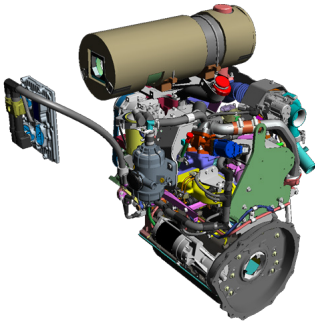


FH-2 Hydrostatic Drive Forklift

Standard Features Include:

- Komatsu diesel powered pneumatic tire models with 8,000 / 9,000 / 10,000 / 11,000 lbs. of capacity with Komatsu's exclusive Hydro-Static Drive System (HST), Tier 4 Final Komatsu Diesel engine, advanced Closed-center Load Sensing hydraulic System (CLSS), and KOMTRAX, Komatsu's GPRS / GPS information delivery and management system.
- The FH Series was designed to utilize highly reliable, field-proven drive and control components that have been used for many years in Komatsu construction equipment. The FH-2 drive system is "Electronically-controlled Hydro-Static" or HST. These drive-line components are known for their quality and reliability through years of use in Komatsu construction equipment like wheel loaders and dozers.
- The forklift's hydraulic system uses a variable displacement pump with "Closed-center Load Sensing" or **CLSS** that is a highly efficient hydraulic system used in Komatsu's hydraulic excavators. All FH-2 Series models are powered by a Komatsu designed and manufactured Tier 4 Final diesel engine that features advanced engine technologies to achieve excellent fuel economy, reduced environmental impact, and outstanding controllability. The new FH Series offers some great new features that will dramatically reduce overall operational costs.



- Komatsu's **HST / CLSS / and SAA4D95LE-6 Diesel Engine** work in harmony to achieve significant fuel economy, especially in tough, high-cycle operations where fast-paced loading, unloading, and directional changes are prevalent.
- Komatsu designed and manufactured turbo-charged diesel engine - SAA4D95LE-6, is Tier 4 Final while maintaining power and productivity
- Tilt & telescopic steering console with small diameter steering wheel, spinner knob, and power steering

- Airtight wet disc brake system to assure exceptional overall durability and low operational costs
- **Closed-center Load Sensing hydraulic System (CLSS)** that efficiently produces the optimal amount of flow and hydraulic pressures demanded by the situation maximizing fuel efficiency
- HST drive allows for directional changes to be accomplished smoothly without releasing the accelerator pedal enhancing ease of operation
- Adjustable auto engine shutdown system prevents needless idling – saving fuel and operational costs
- Full color dash display monitor provides the operator with critical information during truck operation
- Another standard feature, **with no added fees for your customer**, is **KOMTRAX**, an exclusive wireless remote equipment and fleet checking system. Leading-edge wireless technology and a secure, user-friendly, web-based application provide critical information...anytime, anywhere.



- FH Series **Komatsu Customer Advantage Plan** warranty coverage:
 - 24 Months / 3,000 Hours – Standard Warranty Coverage*
 - 60 Months / 6,000 Hours – Power Train Warranty*
 - 60 Months / 10,000 Hours – Wet Disc Brake Warranty*



FH-2 Specifications

		Manufacturer's Designation		FH35-2	FH40-2	FH45-2	FH50-2		
Characteristics	1.2 Model	Manufacturer's Designation		FH35-2	FH40-2	FH45-2	FH50-2		
	1.3 Power Type	Electric, Diesel, Gasoline, LPG		Diesel	Diesel	Diesel	Diesel		
	1.4 Operation Type			Sitting	Sitting	Sitting	Sitting		
	1.5 Rated Capacity	Q	Rated Capacity	lbs.	8,000 (3500)	9,000 (4000)	10,000 (4500)	11,000 (5000)	
	1.6 Load Center	c	Rated Load Center	in. (mm)	24 (600)	24 (600)	24 (600)	24 (600)	
	1.8 Load Distance	x	Front Axle Center to Fork Face	in. (mm)	22.8 (580)	22.8 (580)	23.2 (590)	22.6 (575)	
	1.9 Wheelbase	y		in. (mm)	84.7 (2150)	84.7 (2150)	84.7 (2150)	84.7 (2150)	
	2.1 Service Weight			lbs.	12,908 (5855)	13,536 (6140)	15,002 (6805)	15,983 (7250)	
	Weight	2.2	Loaded	Front	lbs.	18,210 (8260)	19,797 (8980)	22,035 (9995)	23,986 (10880)
2.2.1		Rear		lbs.	2,414 (1095)	2,557 (1160)	2,888 (1310)	3,020 (1370)	
2.3		Unloaded	Front	lbs.	6,151 (2790)	6,041 (2740)	6,482 (2940)	6,812 (3090)	
2.3.1 Axle Loading			Rear	lbs.	6,757 (3065)	7,496 (3400)	8,521 (3865)	9,171 (4160)	
Tires	3.1 Tire Type			Pneumatic	Pneumatic	Pneumatic	Pneumatic		
	3.2	Front		300-15-18PR(I)	300-15-18PR(I)	300-15-18PR(I)	300-15-18PR(I)		
	3.3 Tire Size	Rear		7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-14PR(I)	7.00-12-14PR(I)		
	3.5 Number of Wheel	Front/Rear (x=driven)		2x/2	2x/2	2x/2	2x/2		
	3.6 Tread, Front	b10		in. (mm)	48.2 (1225)	48.2 (1225)	48.2 (1225)	48.2 (1225)	
	3.7 Tread, Rear	b11		in. (mm)	44.1 (1120)	44.1 (1120)	44.1 (1120)	44.1 (1120)	
	Dimensions	4.1 Tilting Angle	a / b	Forward/Backward	degree	6/12	6/12	6/12	6/12
4.2 Mast Height, Lowered		h1	2-stage Mast	in. (mm)	82.9 (2105)	82.9 (2105)	86.8 (2205)	86.8 (2205)	
4.3 Std. Free Lift		h2	2-stage Std. Mast, from Ground	in. (mm)	5.9 (150)	5.9 (150)	5.7 (145)	5.5 (140)	
4.4 Std. Lift Height		h3	2-stage Std. Mast, from Ground	in. (mm)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	
4.5 Mast Height, Extended		h4	2-stage Std. Mast	in. (mm)	162.6 (4130)	162.6 (4130)	162.6 (4130)	171.1 (4345)	
4.7 Height, Overhead Guard		h6		in. (mm)	90.2 (2290)	90.2 (2290)	90.2 (2290)	90.2 (2290)	
4.19 Length, with Std. Forks		L1		in. (mm)	169.5 (4305)	171.3 (4350)	173.2 (4400)	178.5 (4535)	
4.2 Length, to Fork Face		L2		in. (mm)	127.4 (3235)	129.1 (3280)	131.1 (3330)	130.5 (3315)	
4.21 Width, at Tire		b1	Single	in. (mm)	59.8 (1520)	59.8 (1520)	59.8 (1520)	59.8 (1520)	
4.22 Forks		s/e/l	Thickness x Width x Length	in. (mm)	2.2 x 5.9 x 42.1 (55 x 150 x 1070)	2.2 x 5.9 x 42.1 (55 x 150 x 1070)	(55 x 150 x 1070)	2.2 x 5.9 x 48.0 (55 x 150 x 1220)	
4.23 Fork Carriage Class		ISO 2328, Type A/B/no			class3, A	class3, A	class3, A	class4, A	
4.24 Width, Fork Carriage		b3		in. (mm)	46.9 (1190)	46.9 (1190)	46.9 (1190)	50.0 (1270)	
4.31		m1	Under Mast	in. (mm)	5.7 (145)	5.7 (145)	5.7 (145)	5.7 (145)	
4.32 Ground Clearance		m2	at Center of Wheelbase	in. (mm)	8.3 (210)	8.3 (210)	8.3 (210)	8.3 (210)	
4.33		Ast	with L1000 x W1200 pallet	in. (mm)	187.6 (4765)	188.8 (4795)	189.9 (4825)	196.5 (4990)	
4.34 Aisle Width *		Ast	with L1200 x W800 pallet	in. (mm)	192.7 (4895)	193.9 (4925)	195.1 (4955)	196.5 (4990)	
4.35 Turning Radius		Wa		in. (mm)	114.8 (2915)	115.9 (2945)	116.7 (2965)	117.9 (2995)	
Performance		5.1 Travel Speed (FWD)	Loaded		mph (km/h)	14.6 (23.5)	14.6 (23.5)	14.6 (23.5)	14.6 (23.5)
			Unloaded		mph (km/h)	14.6 (23.5)	14.6 (23.5)	14.6 (23.5)	14.6 (23.5)
		5.2 Lifting Speed	Loaded		fpm (mm/s)	96.5 (490)	95.5 (485)	82.7 (420)	82.7 (420)
	Unloaded		fpm (mm/s)	99.4 (505)	99.4 (505)	86.6 (440)	86.6 (440)		
	5.3 Lowering Speed	Loaded		fpm (mm/s)	98.4 (500)	98.4 (500)	98.4 (500)	98.4 (500)	
		Unloaded		fpm (mm/s)	98.4 (500)	98.4 (500)	98.4 (500)	98.4 (500)	
	5.6 Max. Draw bar Pull	Loaded 1.5 km/h, 3 min rating		lbs. (kN)	7,644 (34)	7,644 (34)	7,644 (34)	7,868 (35)	
	5.8 Max. Gradeability	Loaded 1.5 km/h, 3 min rating		%	33	33	29	28	
	5.1 Service Brake	Operation/Type			Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	
	5.11 Parking Brake	Operation/Control			Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	
	5.12 Steering	Type			FHPS	FHPS	FHPS	FHPS	
	I.C Engine	6.4 Battery	Voltage/Capacity at 5-hour rating		V/Ah	24/52	24/52	24/52	24/52
7.1 Model		Make			KOMATSU	KOMATSU	KOMATSU	KOMATSU	
		Model			SAA4D95LE-6	SAA4D95LE-6	SAA4D95LE-6	SAA4D95LE-6	
7.2 Rated Output, SAE net				kW	49.5	49.5	49.5	49.5	
7.3 Rated RPM				min-1	2150	2150	2150	2150	
7.3.1 Max. Torque, SAE net				HP (Nm/min-1)	56.4 (287/1400)	56.4 (287/1400)	56.4 (287/1400)	56.4 (287/1400)	
7.4 No. of Cylinder/Displacement				Cu. In. (cm ³)	4 / 199 (3260)	4 / 199 (3260)	4 / 199 (3260)	4 / 199 (3260)	
7.6 Fuel Tank Capacity				U.S. Gallons (L)	27.7 (105)	27.7 (105)	27.7 (105)	27.7 (105)	
Others	8.2 Relief Pressure for Attachment			PSI (MPA)	2,988 (20.6)	2,988 (20.6)	2,988 (20.6)	2,988 (20.6)	
	8.2.1 Hydraulic tank Capacity			U.S. Gallons (L)	20.1 (76)	20.1 (76)	20.1 (76)	20.1 (76)	
	8.7 Transmission				Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	