



G Series 3

**FORKLIFTS
TIER III CERTIFIED**

PRELIMINARY

ENGINE	586G	588G
Model	Case Family III 445T/M3 turbocharged	Case Family III 445T/M3 turbocharged
Displacement	274 in ³ (4.5 L)	274 in ³ (4.5 L)
Horsepower –		
Gross	85 (63 kW) @ 2200 rpm	85 (63 kW) @ 2200 rpm
Net	80 (60 kW) @ 2200 rpm	80 (60 kW) @ 2200 rpm
Maximum Torque –		
Gross	276 lb-ft (374 N•m) @ 1400 rpm	276 lb-ft (374 N•m) @ 1400 rpm
Net	270 lb-ft (366 N•m) @ 1400 rpm	270 lb-ft (366 N•m) @ 1400 rpm

HYDRAULIC SYSTEM

Pump capacity	18 gpm (68 L/min) @ 3000 psi (207 bar)	24 gpm (91 L/min)
System pressure	3050 psi (210 bar)	3050 psi (210 bar)

SERVICE CAPACITIES

Fuel tank	31 gal (117 L)	31 gal (117 L)
Hydraulic reservoir		
with filter	14.5 gal (54.9 L)	14.5 gal (54.9 L)
without filter	14 gal (53 L)	14 gal (53 L)
Drive axle	15 qt (14.2 L)	15 qt (14.2 L)
Engine oil with filter	14.4 qt (13.6 L)	14.4 qt (13.6 L)
Cooling system	17 qt (16.1 L)	17 qt (16.1 L)

STEERING

Turning Clearance Circle –		
2WD		
With brakes	23 ft 8 in (7.21 m)	23 ft 8 in (7.21 m)
Without brakes	26 ft 5 in (8.06 m)	26 ft 5 in (8.06 m)
4WD - Disengaged		
With brakes	22 ft 6 in (6.85 m)	22 ft 6 in (6.85 m)
Without brakes	26 ft 11 in (8.22 m)	26 ft 11 in (8.22 m)
4WD - Engaged		
With brakes	21 ft 5 in (6.53 m)	21 ft 5 in (6.53 m)
Without brakes	31 ft 5 in (9.59 m)	31 ft 5 in (9.59 m)
Axle Oscillation		
Front	Fixed	Fixed
Rear (2WD and 4WD)	22°	22°

LIFT CAPACITIES

15 ft (4.57 m) mast		
Maximum at 24 in (610 mm) load center	6,000 lb (2722 kg)	8,000 lb (3628 kg)
15 ft (4.57 m)	6,000 lb (2722 kg)	8,000 lb (3628 kg)
22 ft (6.71 m) mast		
Maximum at 24 in (610 mm) load center	6,000 lb (2722 kg)	8,000 lb (3628 kg)
15 ft (4.57 m)	6,000 lb (2722 kg)	8,000 lb (3628 kg)
22 ft (6.71 m)	3,000 lb (1360 kg)	4,000 lb (1814 kg)

DIMENSIONS

	586G			588G	
	15 ft Mast (4.57 m)	22 ft Mast (6.71 m)	16 ft Freelift (4.88 m)	15 ft Mast (4.57 m)	22 ft Mast (6.71 m)
Overall height - mast closed	10 ft 7 in (3.23 m)	10 ft 7 in (3.23 m)	8 ft 7 in (2.62 m)	10 ft 5 in (3.18 m)	10 ft 5 in (3.18 m)
Overall height - mast raised	18 ft 0 in (5.49 m)	25 ft 2 in (7.67 m)	19 ft 0 in (5.79 m)	18 ft 4 in (5.59 m)	25 ft 5 in (7.75 m)
Overall length*	16 ft 2 in (4.9 m)	16 ft 3 in (4.95 m)	16 ft 2 in (4.93 m)	17 ft 1 in (5.2 m)	17 ft 2 in (5.2 m)
Sidesift from center	3 in (76 mm)	3 in (76 mm)	3 in (76 mm)	3 in (76 mm)	3 in (76 mm)
Maximum fork height forks horizontal	15 ft 0 in (4.57 m)	22 ft 0 in (6.71 m)	16 ft 0 in (4.88 m)	15 ft 0 in (4.57 m)	22 ft 0 in (6.71 m)
Overall height @ low carry - forks 6 in off ground	10 ft 10 in (3.3 m)	10 ft 9 in (3.28 m)	8 ft 7 in (3.30 m)	10 ft 8 in (3.25 m)	10 ft 7 in (3.23 m)
Rate of lift-max. load	105 fpm	105 fpm	105 fpm	105 fpm	105 fpm
Reach from centerline of drive wheels	34.1 in (866 mm)	35.1 in (891 mm)	34.1 in (866 mm)	36.7 in (932 mm)	37.7 in (957 mm)
Mast ground clearance	12 in (305 mm)	12 in (305 mm)	12 in (305 mm)	12 in (305 mm)	12 in (305 mm)
Wheelbase					
2WD 84 in	84 in (2.13 m)	84 in (2.13 m)	84 in (2.13 m)	84 in (213 m)	84 in (213 m)
4WD 84.5 in	84.5 in (2.15 m)	84.5 in (2.15 m)	84.5 in (2.15 m)	84.5 in (215 m)	84.5 in (215 m)
Degrees tilt-forward	45°	45°	45°	45°	45°
Degrees tilt-rear	15°	15°	15°	15°	15°
Overall width**	83 in (211 m)	83 in (211 m)	83 in (211 m)	88 in (2.24 m)	88 in (2.24 m)
Tread - drive wheels					
2WD/ 4WD	62.8 in (1.60 m)	62.8 in (1.60 m)	62.8 in (1.60 m)	67.8 in (1.72 m)	67.8 in (1.72 m)
Tread - steering wheels					
2WD (11L x 16 - 10 ply)	5 ft 7.5 in (1.715 m)	5 ft 7.5 in (1.715 m)	5 ft 7.5 in (1.715 m)	5 ft 7.5 in† (1.715 m)	5 ft 7.5 in† (1.715 m)
4WD (12 x 16.5 - 8 ply)	5 ft 7.7 in (1.72 m)	5 ft 7.7 in (1.72 m)	5 ft 7.7 in (1.72 m)	5 ft 7.7 in† (1.72 m)	5 ft 7.7 in† (1.72 m)
Operating weights††					
2WD	13,228 lb (6000 kg)	13,977 lb (6340 kg)	13,475 lb (6112 kg)	15,639 lb (7094 kg)	16,325 lb (7405 kg)
4WD 12,606 lb	13,587 lb (6163 kg)	14,337 lb (6503 kg)	14,285 lb (6480 kg)	15,999 lb (7257 kg)	16,684 lb (7568 kg)

*With 19.5L x 24 tires, 48 in (1.22 m) forks, and the following counterweights: 586G - 3,854 lb (1748 kg); 588G - 5,562 lb (2523 kg)

**With 19.5L x 24 - 12 ply tires

†With 12 x 16.5 - 12 ply tires

††With 48 in (1.22 m) forks

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

NOTE: All engines meet current EPA emissions requirements.

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