

SPECIFICATIONS



4TNV88

Engine Model	4TNV88								
Version	CL			VM					
Type	Vertical Inline Diesel Engine								
Combustion System	Direct Injection								
Aspiration	Natural								
No. of Cylinders	4								
Bore x Stroke	3.465 x 3.543 in (88 x 90 mm)								
Displacement	133.618 cu in (2.190 L)								
Continuous Rated Output	rpm (min ⁻¹)	1500	1800						
	hp SAE	22.0	26.3						
	kW	16.4	19.6						
	PS	22.3	26.7						
Max. Rated Output (Net)	rpm (min ⁻¹)	1500	1800	2000	2200	2400	2600	2800	3000
	hp SAE	24.2	29.0	32.3	35.5	38.7	41.9	45.2	47.4
	kW	18.0	21.6	24.1	26.5	28.8	31.3	33.7	35.4
	PS	24.5	29.4	32.7	36.0	39.2	42.5	45.8	48.1
High Idling	rpm (min ⁻¹)	1600 ± 25	1895 ± 25	2205 ± 25	2420 ± 25	2615 ± 25	2810 ± 25	2995 ± 25	3210 ± 25
Engine Weight (Dry) With Flywheel Housing*	403.5 lb (183 kg)			374.9 lb (170 kg)					
PTO Position	Flywheel Side								
Direction of Rotation	Counterclockwise Viewed From Flywheel Side								
Cooling System	Liquid-Cooled With Radiator								
Lubricating System	Forced Lubrication With Trochoid Pump								
Normal Oil Pressure at Rated Engine Speed	42 - 57 psi (0.29 - 0.39 MPa, 2.96 - 3.98 kgf/cm ²)								
Normal Oil Pressure at Low Idle Speed	8.5 psi (0.06 MPa, 0.6 kgf/cm ²) or greater								
Starting System	Electric Starting - Starter Motor: DC12V, 1.9 hp (1.4 kW)								
	Alternator: DC12V, 40A***								
	Recommended Battery Capacity: 12V, 60 Amp-Hour (5h rating)								
Dimensions (L x W x H)*	26.89 x 19.63 x 24.33 in (683 x 498.5 x 618 mm)			25.91 x 19.63 x 24.33 in (658 x 498.5 x 618 mm)					
	7.8 / 4.2 qt (7.4 / 4.0 L) (Dipstick Upper Limit / Lower Limit)								
Engine Oil Pan Capacity**									
Engine Coolant Capacity	0.7 gal (2.7 L) Engine Only								
Standard Cooling Fan	14.57 in (370 mm) O/D, 6 Blades Pusher Type								

* Engine Specifications Without Radiator

** Engine oil capacity for a "Deep Standard" oil pan. Refer to the operation manual provided by the driven machine manufacturer for the actual engine oil capacity of your machine.

*** May vary depending on application.