

SPECIFICATIONS



4TNV98

Engine Model	4TNV98						
Version	CL			VM			
Type	Vertical Inline Diesel Engine						
Combustion System	Direct Injection						
Aspiration	Natural						
No. of Cylinders	4						
Bore x Stroke	3.858 x 4.331 in (98 x 110 mm)						
Displacement	202.502 cu in (3.319 L)						
Continuous Rated Output	rpm (min ⁻¹)	1500	1800				
	hp SAE	41.4	49.3				
	kW	30.9	36.8				
	PS	42.0	50.0				
Max. Rated Output (Net)	rpm (min ⁻¹)	1500	1800	2000	2200	2400	2500
	hp SAE	46.4	55.2	56.2	61.2	66.1	68.5
	kW	34.6	41.2	41.9	45.6	49.3	51.1
	PS	47.0	56.0	57.0	62.0	67.0	69.5
High Idling	rpm (min ⁻¹)	1600 ± 25	1895 ± 25	2205 ± 25	2420 ± 25	2615 ± 25	2725 ± 25
Engine Weight (Dry) With Flywheel Housing*	546.8 lb (248 kg)			518.2 lb (235 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, 3.1 hp (2.3 kW)						
	Alternator: DC12V, 40A***						
	Recommended Battery Capacity: 12V, 64 Amp-Hour (5h rating)						
Dimensions (L x W x H)*	28.31 x 19.61 x 29.21 in (719 x 498 x 742 mm)						
Engine Oil Pan Capacity**	11.1 / 6.3 qt (10.5 / 6.0 L) (Dipstick Upper Limit / Lower Limit)						
Engine Coolant Capacity	1.1 gal (4.2 L) Engine Only						
Standard Cooling Fan	16.14 in (410 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.