



# 3TNV84T

## Engine Technical Data

Revision: 0

Unit	3TNV84T-KSA	3TNV84T-KSA2	3TNV84T-KSA3
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### General Data

Number of Cylinders	-	3
Engine Type	-	Inline, Water-Cooled, 4 Stroke Diesel
Bore x Stroke	mm x mm	84 x 90
Total Displacement	cc	1.496
Combustion type	-	Direct Injection
Aspiration	-	Turbocharged Aspiration
Valves per Cylinder	-	2
Compression ratio	-	19.0
Firing Order	-	1-3-2

### Performance Data

Net Intermittent Power	HP [kW] / rpm]	38.9 [29.0]/2800
Net Continuous Power	HP [kW] / rpm]	--
Net Max Torque	ft-lb [Nm]/rpm	88.1 [119.5]/1500
Low Idle Speed	rpm	1000+/-25
High Idle Speed	rpm	2995+/-25

### Physical Data

Direction of rotation	-	Counter Clockwise (view from flywheel)
Length - Inches	Inches [mm]	24.69 [627] 22.95 [583] 22.64 [575]
Width - Inches	Inches [mm]	20.20 [513]
Height - Inches	Inches [mm]	27.44 [697]
Dry Weight	lbs [kg]	386 [175] 362 [164] 346 [157]

### PTO System

Flywheel	-	SAE #5 Semi SAE #5 Semi SAE #5
Flywheel Housing	-	SAE #5 (Depth 124) Sem SAE #5 (Depth 80) Back Plate
Gear Case	-	with SAE Hydraulic Pump Flange

### Lubrication System

Inclination, Continuous	degrees	30
Inclination, 3 minutes Max.	degrees	35
Lubrication Oil Filter Type	-	Paper Element
Oil Capacity, Effective	Liters	2.8
Total System Capacity	Liters	6.7
Oil Change Interval, Hours	hr	250 (50, initial)
Recommended Oil Type	API	CD, CE, CF or higher grade

### Cooling System

Fan Type	-	Puller
Fan Diameter	Inches [mm]	14.17 [360]
Number of Blades	-	7
Fan Pulley Diameter	Inches [mm]	4.33 [110]
Crank Pulley Diameter	Inches [mm]	4.33 [110]

### Fuel System

Fuel Filter Type	-	Paper Element
Fuel Injection Pump Type	-	Distributor Type
Water Separator (Standard)	-	Mesh size: 100-mesh/inch, water reservoir 150 cc

### Electrical System

System Voltage	Volts	12 V
Electric Stop Device	-	Stop Solenoid
Alternator	-	12V-40A
Starting Aid Device	-	Air Heater, 12V 400W
Standard pre-heat time	Seconds	15
Starting Motor Type	-	Reduction
Starting Motor Power	kW	1.7