

## **3TNV88**

	Engine Techn	ical Data Revision: 0
	Unit	3TNV88-GGE
General Data	<u> </u>	
Number of Cylinders	-	3
Engine Type	-	Inline, Water-Cooled, 4 Stroke Diesel
Bore x Stroke	mm x mm	88 x 90
Total Displacement	cc	1.642
Combustion type	-	Direct Injection
Aspiration	-	Natural Aspiration
Valves per Cylinder	-	2
Compression ratio	-	19.1
Firing Order	-	1-3-2
Performance Data		
	HP [kW] /	
Net Intermittent Power	rpm]	21.7 [16.2]/1800, 17.7 [13.2]/1500
Net Continuous Power	HP [kW] /	
	rpm]	19.7 [14.7]/1800, 16.4 [12.2]/1500
	ft-lb	
Net Max Torque	[Nm]/rpm	<del>-</del>
Low Idle Speed	rpm	1500+/-25
High Idle Speed	rpm	1895+/-25
Physical Data Direction of rotation		Counter Clockwise (view from flywheel)
Length - Inches	Inches [mm]	23.46 [596]
Width - Inches	Inches [mm]	20.20 [513]
Height - Inches	Inches [mm]	26.18 [665]
Dry Weight	lbs [kg]	373 [169]
PTO System		
Flywheel	-	Semi SAE #4
Flywheel Housing	-	Semi SAE #4 ( 105 mm Depth )
Gear Case	-	without SAE Hydraulic Pump Flange
I also de de Control	<u> </u>	, , ,
Lubrication System	1 1	20
Inclination, Continuous	degrees	30 35
Inclination, 3 minutes Max.	degrees	
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
Casling System		
Cooling System		Pusher
Fan Type	Inahas [mm]	14.17 [360]
Fan Diameter	Inches [mm]	14.17 [300] 6
Number of Blades	Inches []	3.54 [90]
Fan Pulley Diameter	Inches [mm]	
Crank Pulley Diameter	Inches [mm]	4.72 [120]
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	1.2
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