



4TNV84T

Engine Technical Data

Revision: 0

| | | Unit | 4TNV84T-GGE |
|---------------------|---------|------|---------------------------------------|
| General Data | | | |
| Number of Cylinders | - | | 4 |
| Engine Type | - | | Inline, Water-Cooled, 4 Stroke Diesel |
| Bore x Stroke | mm x mm | | 84 x 90 |
| Total Displacement | cc | | 1.995 |
| Combustion type | - | | Direct Injection |
| Aspiration | - | | Turbocharged Aspiration |
| Valves per Cylinder | - | | 4 |
| Compression ratio | - | | 18.9 |
| Firing Order | - | | 1-3-4-2 |

Performance Data

| | | | |
|------------------------|----------------|--|------------------------------------|
| Net Intermittent Power | HP [kW] / rpm | | 35.9 [26.8]/1800, 28.1 [21.0]/1500 |
| Net Continuous Power | HP [kW] / rpm | | 32.5 [24.2]/1800, 24.9 [19.1]/1500 |
| Net Max Torque | ft-lb [Nm]/rpm | | - |
| 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] | | 27.17 [690] |
| Width - Inches | Inches [mm] | | 20.47 [520] |
| Height - Inches | Inches [mm] | | 27.95 [710] |
| Dry Weight | lbs [kg] | | 450 [204] |

PTO System

| | | | |
|------------------|---|--|-----------------------------------|
| Flywheel | - | | Semi SAE #4 |
| Flywheel Housing | - | | Semi SAE #4 (105 mm Depth) |
| Gear Case | - | | without 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 | | 3.4 |
| Total System Capacity | Liters | | 7.4 |
| Oil Change Interval, Hours | hr | | 250 (50, initial) |
| Recommended Oil Type | API | | CD, CE, CF or higher grade |

Cooling System

| | | | |
|-----------------------|-------------|--|-------------|
| Fan Type | - | | Pusher |
| Fan Diameter | Inches [mm] | | 14.96 [380] |
| Number of Blades | - | | 6 |
| Fan Pulley Diameter | Inches [mm] | | 3.54 [90] |
| 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 | | 1.4 |