KOHLER_® Diesel

Model KDW2204T High-Speed Open Power Unit

4 Cylinders • 2199 cc • 48.0 kW/64.4 hp • 3000 rpm • 140.1 ft lbs @ 1800 rpm

Certification

- EPA TIER 3
- 97/68/CE
- ECE R24-03

Features

- 4-Stroke Diesel Engine
- Liquid-Cooled with Axial Fan
- Indirect Fuel Injection
- Water-Oil Heat Exchanger
- Turbocharger
- Double PTO on Crankshaft
- Counterclockwise Rotation (PTO Side)
- Full-Pressure Lubrication
- Automatic Extra-Fuel Starting Device
- Full-Flow Oil Filter
- Variable-Speed Governor
- Cast-Iron Engine Block with Reborable Cylinders
- Cast-Iron Cylinder Head
- Hydraulic Valve Lifters

Applications

- Forklift
- Excavator
- Generator
- Compressor
- Sweeper
- Tractor





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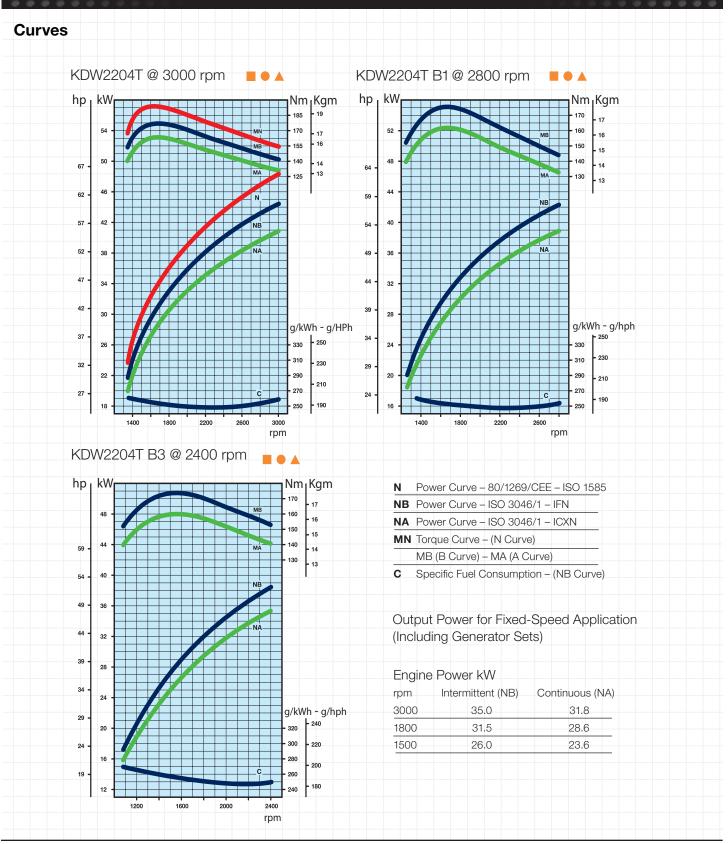
Model KDW2204T High-Speed Open Power Unit

without Dynamic Horizontal Stabilizer liters/quarts 5.7/6.0 Maximum Allowable Angle of Operation (Peak Values) 25° (35°) Volume of Air Required for Correct Combustion @ 3000 rpm liters/min/cfm 4200/148 Volume of Air Required for Correct Cooling @ 3000 rpm m³/min/cfm 180/6357 Dry Weight kg/lb 219/482.8 Recommended Minimum Battery Size V/CCA Standard, Heavy-Duty 12/660, 900 Minimum Pulley Diameters for Belt Drive Sound Pressure Level dBA Sound Pressure Level Polar Diagram Open Field at 7 Meters No Load Running Engine Belt D_(mm) ≥ 73 [L ₁ + 118] N_(kW) n_(RPM) Regged D_(mm) ≥ 46 [L₂ + 118] N_(kW) n_(RPM) Maximum Allowable Axial Load in Both Directions	Specifications Cylinders	No. of Cylindors	A
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Stroke			
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Selt n (RPM) Maximum Allowable Axial Load in Both Directions			
Selt n (RPM) Maximum Allowable Axial Load in Both Directions	D (mm) ≥ 46 [L ₂ + 118] N (kW)		
Maximum Allowable Axial Load in Both Directions			
	A-B = 300 kg/661 lb C - Allowable Zone for Radial Load		///////////////////////////////

1000 rpm | 1500 rpm | 2000 rpm | 2500 rpm | 3000 rpm

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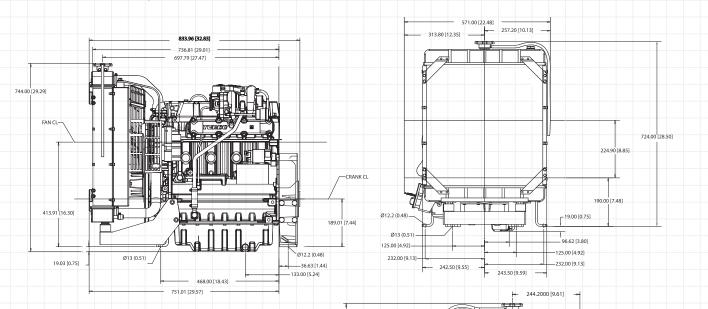
Model KDW2204T High-Speed Open Power Unit



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Technical Drawings



Standard Features (Open Power Unit)

- Base Engine
- Mounted Top Tank Radiator
- Radiator Fan Guard
- Suction Fan
- Mounted Air Cleaner
- Muffler and Guard
- 12 V Electric Starter
- 45 Amp External Alternator
- Fuel Filter with Valve
- Mounting Feet
- Mounted Control Panel
- Group 5 Interchange Housing
- 3000 rpm
- Safety Shutdown Low Oil Pressure and High Coolant Temperature

• Suction and Pusher Fans

High-Capacity Oil Sump

• 2nd PTO Two-Groove Pulley

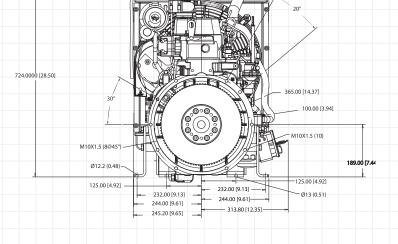
· Wiring Harness Extension

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Extended Dipstick

Accessories

- Optional Charging Systems
- SAE Housings and Drives
- Shaft Extensions
- Hydraulic Drives
- Dry Air Cleaners
- Various Mufflers and Manifolds
- Various Muffler Guards and Flanges
- Remote Oil Filter
- Top Tank and Crossflow Radiators



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