1 Cylinder » 442 cc » 7.7 kW/10.3 HP » 3600 RPM » 18.4 ft. lbs. @2200 RPM

Certification

EPA TIER 2 ECE R 24

Features

4-Stroke Air-Cooled Diesel Engine
SAE J609a Crankshafts
Counter-Clockwise Rotation
Direct Injection
Full-Pressure Lubrication with Oil Pump
Centrifugal Mass Governor
Built-In Full-Flow Oil Filter
Oil Breathing Blow-By with Safety Device
Automatic Extra Fuel Starting Device

Self-Bleeding Fuel System

Torque Regulator

Automatic Compression Release

Die-Cast Aluminum Crankcase with Integral Cast Iron Cylinder Liner

Aluminum Cylinder Head

Mounting Feet

Hydraulic Valve Lifters

Applications

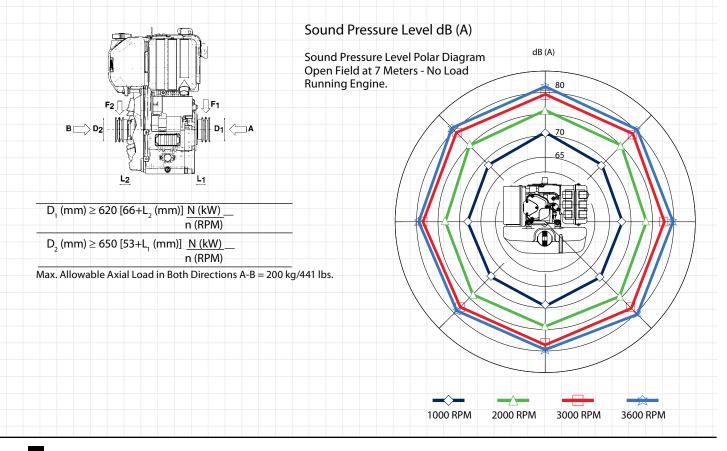
Two-Wheel Tractor
Agricultural Mower
Agricultural Pump
High-Pressure Cleaner
Generator
Vibrating Plate
Hydraulic Power Pack



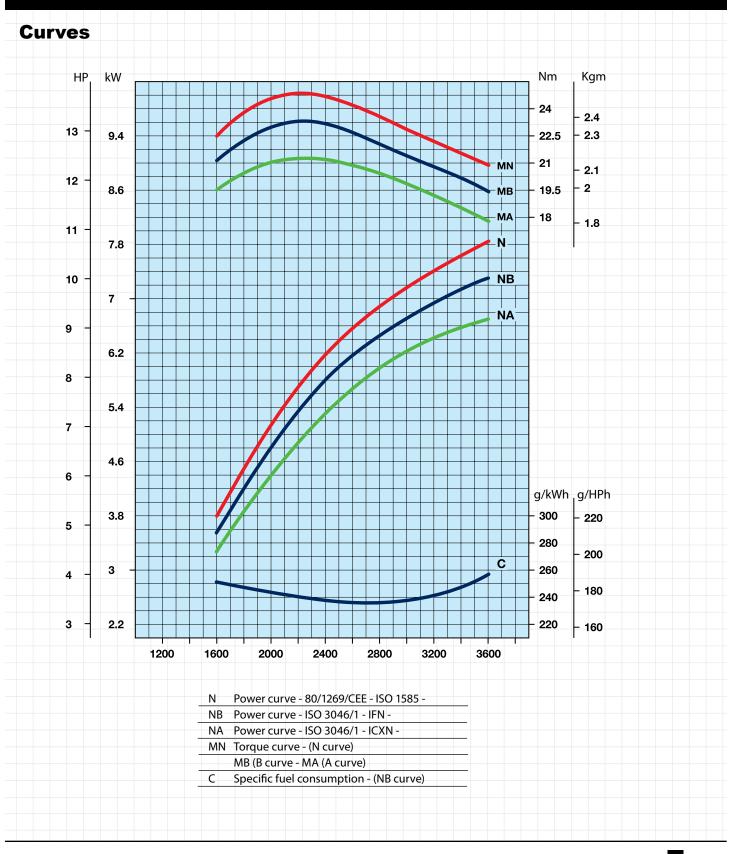




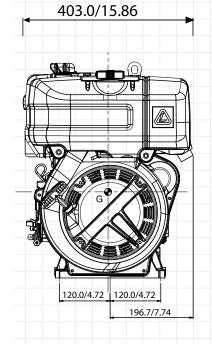
Specifications		
Cylinders	No. of Cylinders	1
Displacement	cc/cu. in.	442/27
Bore	mm/in.	86/3.4
Stroke	mm/in.	76/3
Compression Ratio		20.3:1
Rating kW/HP	NB ISO 3046 IFN	7.4/10.1
	NA ISO 3046 ICXN	6.8/9.3
Max. Torque	N·m/ft. lbs. @ 2200 RPM	25/18.4
Minimum Idling Speed RPM		950-1000
Fuel Tank Capacity	liters/quarts	5/5.3
Oil Consumption	kg/h/lb/h	0.0048/0.0106
Oil Sump Capacity	liters/quarts	1.5/1.6
Min. Allowable Oil Pressure	bar/psi	1-1.5/14.5-21.8
Max. Allowable Incline for Short Periods of Operation (Peak Value	<u>es)</u>	25° (35°)
Volume of Air Required for Correct Combustion @ 3600 RPM	liters/min/cfm	635/22
Volume of Air Required for Correct Cooling @ 3600 RPM	liters/min/cfm	5500/194
Dry Weight	kg/lbs.	45/99.1
Recommended Battery	V/Ah	12/44
Minimum Pulley Diameters for Belt Drive		

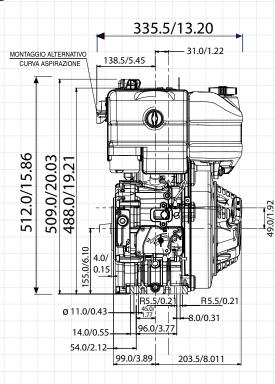


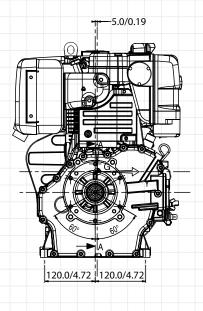
KohlerEngines.com © 2008 by Kohler Co.



Technical Drawings







4.0/0.15

21.0/0.82

PIANO DI FLANGIATURA

4.0/0.15

8.0/0.3

PRESA DI MOTO CONICA Ø23 STANDARD

-5.0/0.19

33.0/1.29

N° 6 fori a 60 sul Ø135

Standard Equipment

Recoil Start with Automatic Compression Release

Fuel Tank

Fuel Filter

Dry Air Cleaner

Muffler with Guard

Accelerator and Stop Manual Control

12 V Electric Start with Control Panel

SAE J609a Ext 4 Crankshaft with Type B Mtg. Flange

Fuel Valve Safety Shutdown for Low Oil Pressure

Accessories

Internal Dynamic Balancer

24 V Electric Start

Accelerator and Stop Remote Control

Key Start Panel with Shutdown Device

Fuel Lift Pump

Oil Temperature Switch

Glow Plug on Intake Manifold

SAE J609a Ext 9, 6, and 3 Integral Crankshaft Options

with Type B Mtg. Flange

Extended Wiring Harness



