



**LOMBARDINI**<sup>®</sup>  
USA Inc.

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# LDW 1603 CHD PLUS

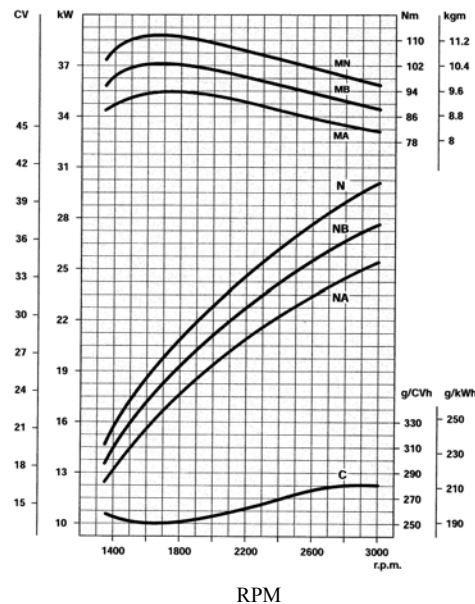
## Low Speed Power Unit

**INTERMITTENT HP RATING @ 1800 RPM**  
**Nb. ISO 3046 (kW/HP) = 19.3/ 25.9**

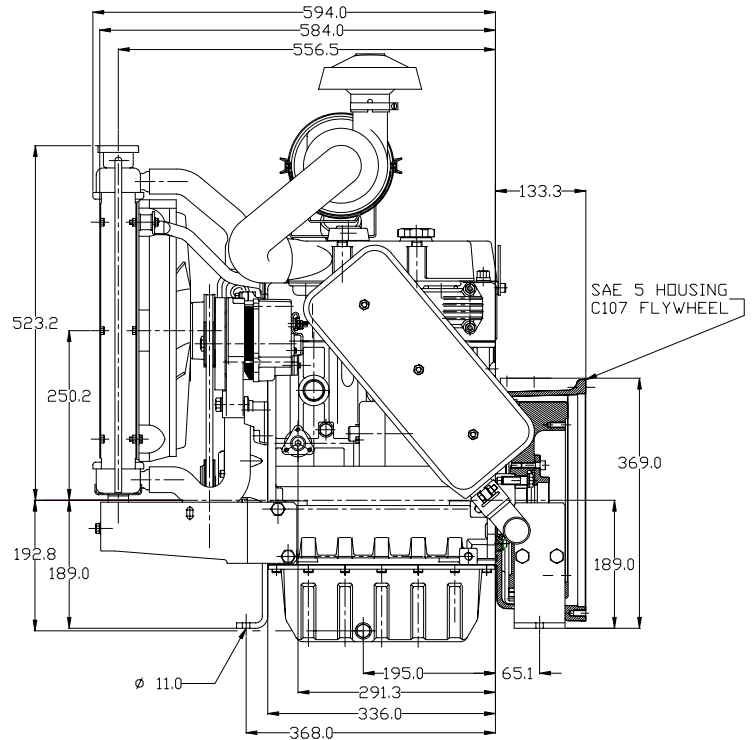
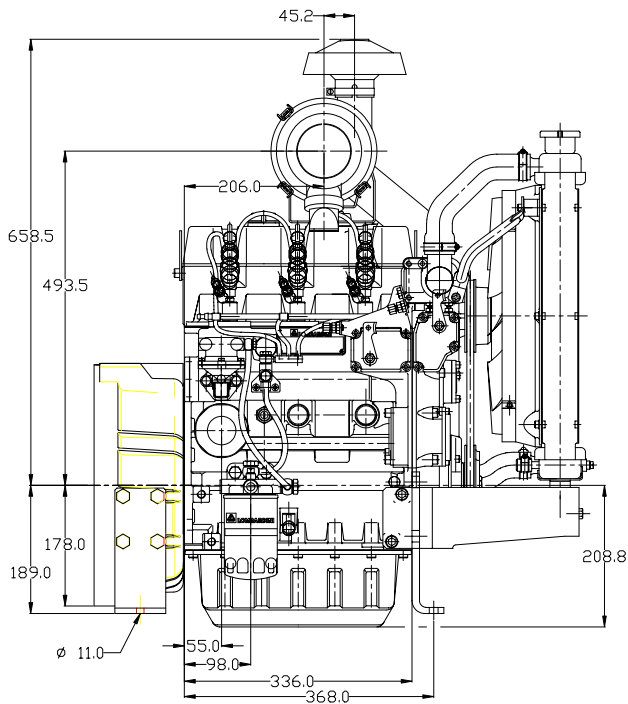
**Low Speed Open Power Unit Includes:** Base Engine, Mounted Top Tank Radiator, Radiator Fan Guard, Mounted Air Cleaner, Muffler, Muffler Guard, Pusher Fan, Fuel Filter w/ Valve, 12 Volt Electric Starter Motor, 45 Amp External Alternator, Mounting Feet, Mounted Control Panel, A-2 Regulation @ 1800 RPM, SAE 5 Housing, C 107 Flywheel

### TECHNICAL SPECIFICATIONS:

NO. OF CYLS	3
BORE x STROKE (mm)	88 x 85
DISPLACEMENT (cc)	1649
OVERALL DIMS. L x W x H (mm)	728 x 530 x 867
MAX. SPEED (RPM)	1800
MIN. CONT. SPEED (RPM)	900
N. ISO 1585 (kW/HP)	20.9/ 28.0
Nb. ISO 3046 (kW/HP)	19.3/ 25.9
Na. ISO 3046 (kW/HP)	17.6/ 23.6
MAX TORQUE (Lb.FT/RPM)	82.6/1600
SPC. FUEL CON (g/kWh)	190
ACT. FUEL CONS (gal/h)	1.11
OIL SUMP CAPACITY (l./Qts.)	3.8/4.0
DRY WEIGHT (kg/lb.)	200/440.9

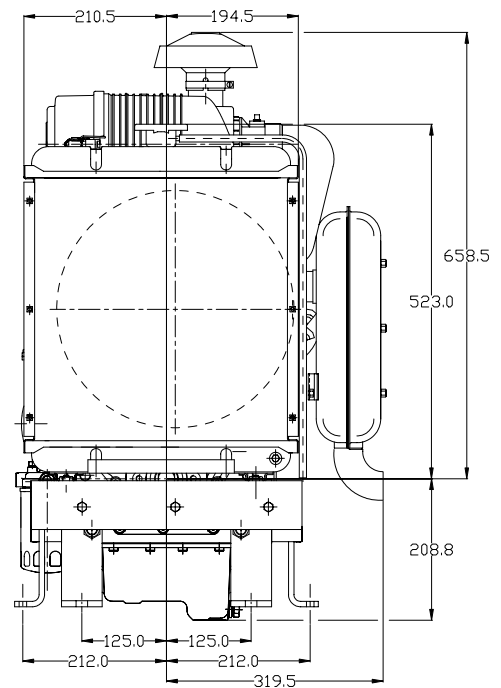


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**ACCESSORIES AVAILABLE:**

- STARTING:** 12V ELECTRIC, OPTIONAL CHARGING SYSTEMS.
- POWER TAKE OFF:** SAE HOUSINGS & DRIVES, SHAFT EXTENSIONS, HYDRAULIC DRIVES.
- AIR CLEANERS:** DRY TYPE.
- EXHAUST FITTINGS:** VARIOUS DESIGN MUFFLERS & MANIFOLDS, MUFFLER GUARDS, LOOSE FLANGES.
- SAFETY SHUTDOWN SYSTEM:** FOR HIGH COOLANT TEMP AND LOW OIL PRESSURE
- FUEL SYSTEM:** REMOTE FUEL FILTERS, FUEL LIFT PUMP.
- COOLING SYSTEM:** ENGINE MOUNTED AND REMOTE RADIATORS, SUCTION AND PUSHER FANS.
- MISC:** MOUNTING FEET, CONTROL PANELS.



**BASIC CONSTRUCTION DETAILS:**

4 STROKE DIESEL, LIQUID COOLED, COUNTER CLOCKWISE ROTATION (PRIMARY PTO), INDIRECT FUEL INJECTION, PRESSURE LUBRICATION BY GEROTOR PUMP, FULL FLOW LUBE FILTER, AUTOMATIC EXTRA FUEL DEVICE FOR COLD START EASE, VARIABLE SPEED GOVERNOR, CAST IRON CRANKCASE WITH REBORABLE CYLINDERS, CAST IRON CYLINDER HEAD