

- 3 cylinders
- 1870 cm³
- 30.8 kW/42.0 HP
- 3000 r.p.m.
- Nm. 110@2000

Homologation

- EPA TIER 1 ■
- 97/68/CE ●
- ECE R 24-03 ▲

Construction

- 4-stroke air cooled diesel engine
- Direct injection
- Axle blower air cooling
- Mechanical fuel lift pump
- Forced lubrication with gear pump
- Full flow oil filtration with external cartridge filter
- Automatic extra fuel starting device
- Torque regulator
- Centrifugal speed governor
- Crankcase in die-cast aluminium
- Electric starting
- Counter-clockwise rotation (viewed from power take-off side)
- Aluminium alloy independent heads
- Re-borable independent cast-iron cylinders
- Power take-off on flywheel
- Oil cooler



Applications

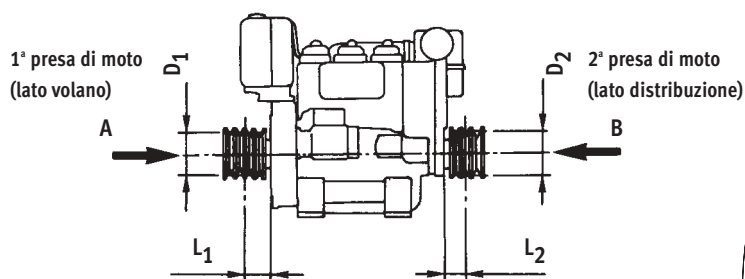
- Dumper
- Vibrating Roller
- Generating Set
- Welding Set
- High pressure cleaner
- Hydraulic power pack
- Agricultural pump
- Two-wheel tractor

SERIE 11LD

Specifications

Cylinders	N.	3
Displacement	cm ³	1870
Bore	mm	95
Stroke	mm	88
Compression ratio		17:1
Rating kW/HP	N (80/1269/CEE) ISO 1585	30.8/42.0
	NB ISO 3046 IFN	28.6/39.0
	NA ISO 3046 ICXN	26.3/35.8
Max. torque	Nm.	115@2000
Max. torque 3 PT.O.	Nm.	39.0
Counterclockwise rotation		
Engine speed - 3 PT.O. ratio		1:1.06
Max. torque - 4 PT.O. ratio	Nm.	23.8
Counterclockwise rotation		
Engine speed - 4 PT.O. ratio		1:1.1
Minimum idling speed r.p.m.		800-900
Fuel tank capacity	l	15
Oil consumption	kg/h.	0.017
Oil sump capacity	l	5
Min. allowable oil pressure	bar	1.5
Max. allowable inclination for short periods of operation (peak values)		25° (35°)
Vol. of air required for correct combustion @3000 r.p.m.	l/min.	2400
Vol. of air required for correct cooling @ 3000 r.p.m.	l/min.	38000
Dry weight	kg	170
Recommended battery	V/Ah	12/66
Axial load	(continuous) kg	300
	(intermittent) kg	600

Minimum pulley diameters for belt drive



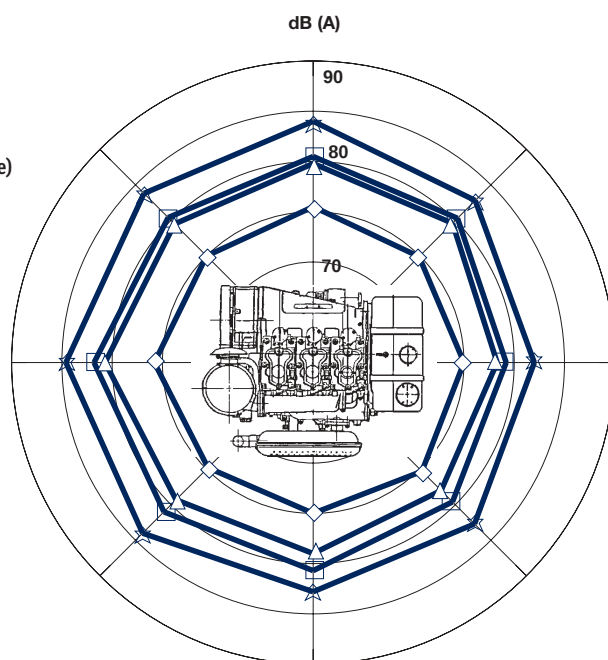
$$D_1 \text{ (mm)} \geq 100 [185 + L_1 \text{ (mm)}] \frac{N \text{ (kW)}}{n \text{ (RPM)}}$$

$$D_2 \text{ (mm)} \geq 110 [169 + L_2 \text{ (mm)}] \frac{N \text{ (kW)}}{n \text{ (RPM)}}$$



Sound pressure level dB (A)

Sound level polar diagram open field - 7 meters microphone - no load running engine.

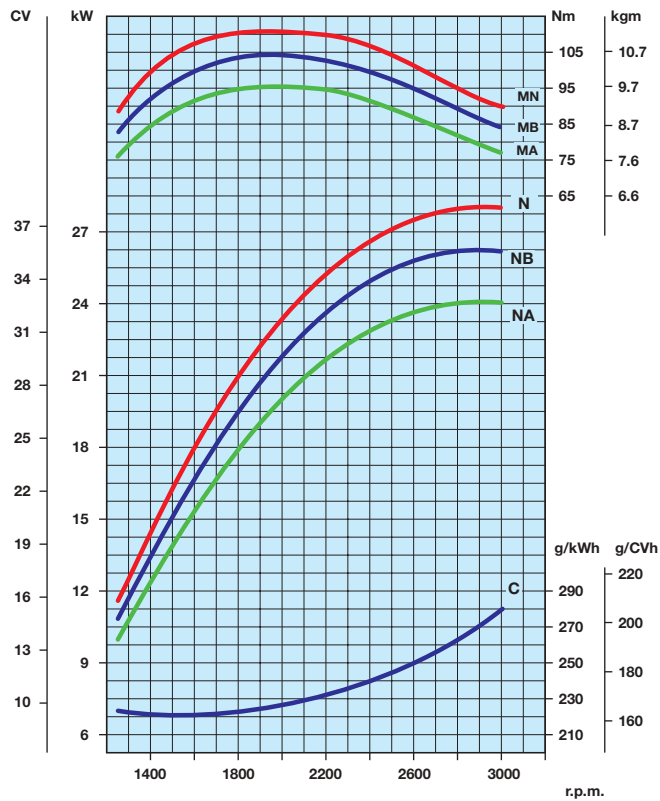


1500 RPM 2000 RPM 2500 RPM 3000 RPM

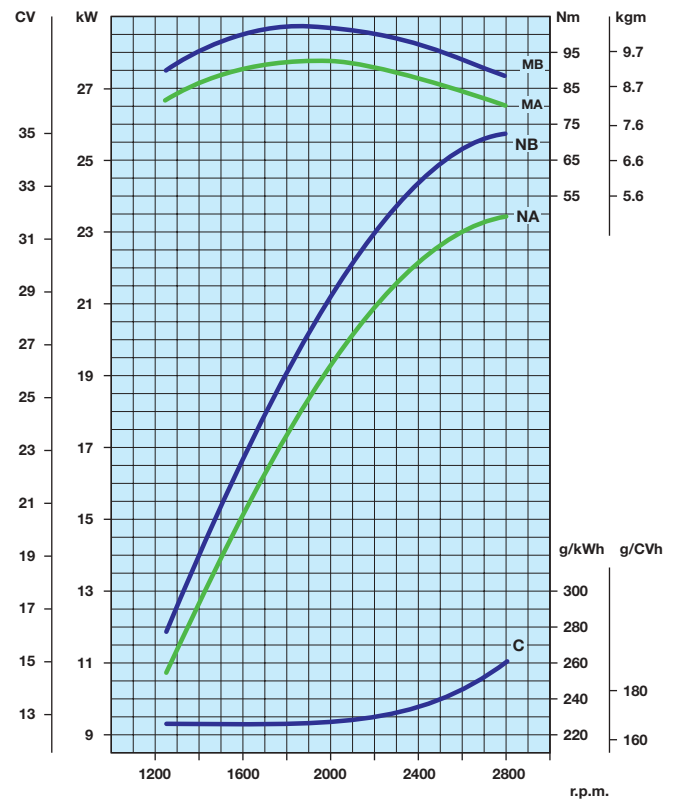
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Curves

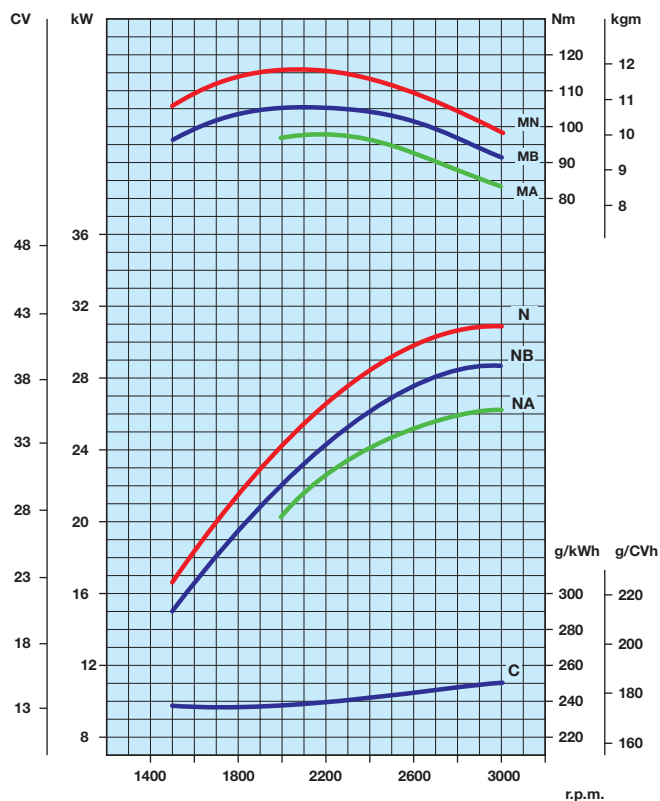
11LD 626/3 NR @ 3000 r.p.m. ■ ● ▲



11LD 626/3 B2 NR @ 2800 r.p.m. ■ ● ▲



11LD 626/3 @ 3000 r.p.m.



N Power curve - 80/1269/CEE - ISO 1585 -

NB Power curve - ISO 3046/1 - IFN -

NA Power curve - ISO 3046/1 - ICXN -

MN Torque curve - (N curve)

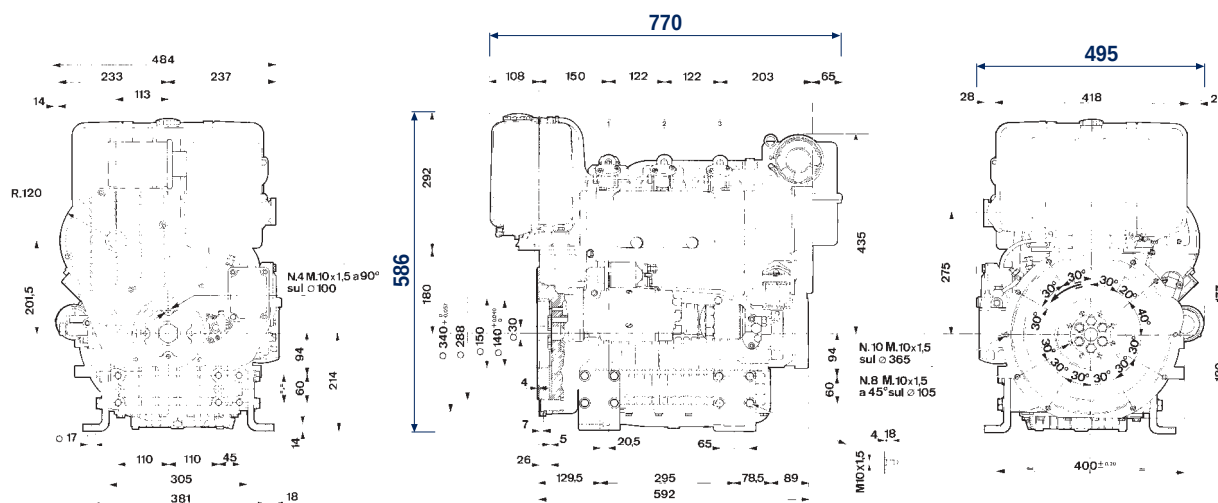
MB (B curve - **MA** (A curve)

C Specific fuel consumption - (NB curve)

Output power for fixed speed application (including generating sets)

Engine power kW

r.p.m.	Intermittent (NB)	Continuous (NA)
3000	28.6	26.3
1800	20.0	18.0
1500	16.7	14.7



Standard equipment

- Electric starting with 12V starter motor and alternator
- Black paint on sheet metal parts
- Manual control accelerator (fixed)
- Oil bath air filter
- External fuel filter
- External oil filter
- Oil pressure switch
- Exhaust manifold and muffler
- Engine feet
- Power take-off on flywheel
- Keyswitch panel
- Fuel lift pump
- Counter-clockwise rotation on power take-off side
- Fuel tank
- Automatic extra fuel device
- Oil cooler
- Sound-proofing
- Guard for belt
- Use, maintenance and spare parts booklet

Accessories

- Different guards according to use
- Range of alternative alternators
- Flanges
- Detached dry air filter
- Cyclonic air prefilter
- Clutches
- Range of flywheels for various clutches
- Hydraulic pump adapters
- Range of fuel tanks of various sizes
- Mufflers and exhaust pipes
- Controls
- Pulleys
- Varnishing



Files for this product available on www.lombardini.it

Data sheet	16LD626DS.PDF
Owner manual	16LD626OM.PDF
Service manual	16LD626SM.PDF
Technical drawing	16LD626TD.DWG
Power curve	16LD626PC.PDF



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