3 cylinders
1870 cm³
30,9 kW/42,0 HP
3000 r.p.m.
Nm 114,6@2000

Available homologation
- EPA TIER III
- ECE R 24
- 2004/26/CE/GSE

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-borale independent cast-iron cylinders
- Power take-off on flywheel
- Oil cooler
- 3 years warranty.

Applications
- Generating Set
- Welding Set
- High pressure cleaner
- Transporter
- Hydraulic power pack
- Agricultural pump
Specifications

Cylinders  N.  3
Displacement  cm³  1870
Bore  mm  95
Stroke  mm  88
Compression ratio  17:1

Rating kW/HP
- N (80/1269/CEE) ISO 1585  30,9/42,0
- NB ISO 3046 IFN  28,6/39,0
- NA ISO 3046 I/KN  26,3/35,8

Max. torque  Nm  114,5@2000
Max. torque 3 P.T.O.  Nm  38,8

Counter clockwise rotation
Engine speed - 3 P.T.O. ratio  1:1
Max. torque - 4 P.T.O. ratio  Nm  23,8

Counter clockwise rotation
Engine speed - 4 P.T.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  1,5-2,0

Max. allowable inclination for:
- short periods of operation (max. time 30 minutes)  25°
- peak values (max. time 1 minute)  35°

Cap. of air required for correct combustion @3000 r.p.m.  l/min.  2400
Cap. of air required for correct cooling @ 3000 r.p.m.  l/min.  38000
Dry weight  kg  170

Recommended battery
- till -10°C  V/Ah  12/66
- till -15°C  V/Ah  12/88

Minimum pulley diameters for belt drive

\[ D_1 (\text{mm}) \geq 100 \left[ 185 + L_1 (\text{mm}) \right] \] \[ N (\text{kW}) \quad n (\text{RPM}) \] \[ D_2 (\text{mm}) \geq 113 \left[ 169 + L_2 (\text{mm}) \right] \] \[ N (\text{kW}) \quad n (\text{RPM}) \]

Max. intermittent axial load in both directions A-B = 600 kg

Sound level dB (A)

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

KD 626-3 NR @ 3000 r.p.m.

KD 626-3 B2 NR @ 3000 r.p.m.

N  Power curve - 80/1269/CEE - ISO 1585 -
NB  Power curve - ISO 3046 - IFN -
NA  Power curve - ISO 3046 - ICXN -
MN  Torque curve - (N curve)
MB (NB curve) - MA (NA curve)
C  Specific fuel consumption - (NB curve)

Power ratings refer to engines equipped with air filter, standard muffler, after being run in and in ambient conditions of 20°C and 1 bar. Power levels drop by 1% every 100m altitude and by 2% every 5°C above 20°C.

Output power for fixed speed application
(including generating sets)

Engine power kW

<table>
<thead>
<tr>
<th>r.p.m.</th>
<th>Intermittent (NB)</th>
<th>Continuous (NA)</th>
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<tbody>
<tr>
<td>3000</td>
<td>28,6</td>
<td>26,3</td>
</tr>
<tr>
<td>1800</td>
<td>20,0</td>
<td>18,0</td>
</tr>
<tr>
<td>1500</td>
<td>16,7</td>
<td>14,7</td>
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</table>
**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

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