- 2 cylinders in line
- 440 cm³
- 4,0 kW/5,4 HP @ 3600 r.p.m.
- 8,5 kW/11,5 HP @ 4400 r.p.m. Nm 21,0 @ 2200 r.p.m.



Construction

- 4-stroke diesel engine with 2 cylinder in line
- Liquid-cooled (loose radiator with electrical fan optional)
- Tilted position of 40° towards exhaust and inlet manifolds
- Die-casted aluminium engine block with re-borable cast iron integral liners
- Aluminium cylinder head
- "Uni flow" intake and exhaust manifold cab side
- Exhaust manifold complete with thermal protection
- Dry air cleaner on the flywheel side
- Breather return oil steam
- Double balance shaft
- Belt- driven Single overhead camshaft
- Rocker arm with hydraulic tappets
- Direct injection "common rail" system with electronic control
- High pressure pump on cylinder head
- Forced lubrication with vane pump
- Full flow external oil filter
- High capacity denoised oil sump
- Water pump in engine bloc
- Heating cab system provision
- Electrical starting with starter motor and external alternator (40 Amp)
- Pre-heating glow plugs controlled by the ECU

- Complete electrical harness and fuses box
- Single connector cab interface
- Denoised cover

CVT characteristics

- Centrifugal mass system on driving pulley
- Engine brake effect with shaft on driven pulley
- Exclusive electronic management (ECU) for the engine brake

Reduction gear / Differential

- Transmission range: 1 gear forward and 1 reverse
- Two speed ratio available
- Speed detector for electronic vehicle speedometer
- Integrated shock absorber
- Integrated oil breather
- Magnetic filter
- Integrated differential

Main applications

- Mini cars (possible homologation EURO 2)
- A.T.V. (All Terrain Vehicles)

CT *Move*

Specifications

			and the same of th
Cylinders		N.	2
Displacement		cm ³	440
Bore		mm	68,0
Stroke		mm	60,6
Compression ratio			20:1
Combustion		degrees	360
Rating kW/HP max	N (80/1269/CE	E) ISO 1585	8,5/11,5
Max torque		Nm	21,0@2200
Min.idle speed		rpm	1000
Water pump delivery	at 5000 rpm	l/min	55
Oil consumption	140°	kg/h	0,004
Oil sump capacity		l	2,1
Max. allowable inclin - short periods of o - peak values (max.	peration (max. tin	ne 30 minute	es) 25°* 35°*
Air combustion volume	e @ 3600 rpm	m³/h	41
Air combustion volume	e @ 4400 rpm	m³/h	49
Dry weight		kg	70
Recommended batter	ry	V/Ah	11/44 400 A (EN)
Starter		kW	1,1
30 -1 1/41 Vi	1000		

^{*} Intake/Exhaust manifold side

CVT Specifications

Continuous variation ratio		0,5 - 2,0	
Transmission range		4,0	
CVT connection rate	rpm	1300	

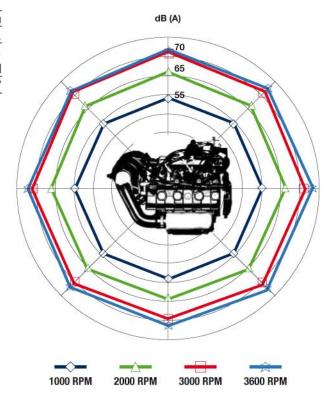
Reduction gear / Differential Specification

1 forward motion – 1	reverse motion	
1:	12,25:1-10:1	
1	1	
Туре	ZC75 SYNTH	
edometer	"effect hall"	
	1: l Type	



Sound pressure level dB (A)

Sound level polar diagram open field – 7 meters micro-phone – no loud running engine

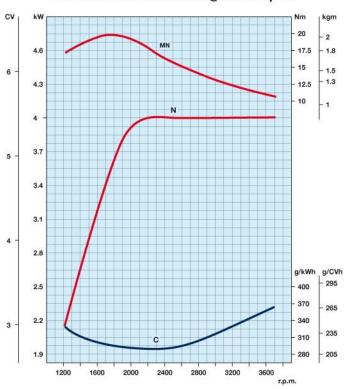




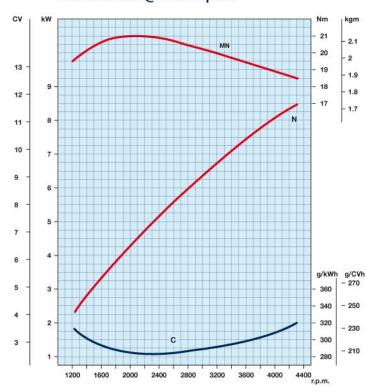
CT *Move*

Curves

LDW 442 CRS automotive @ 3600 r.p.m.



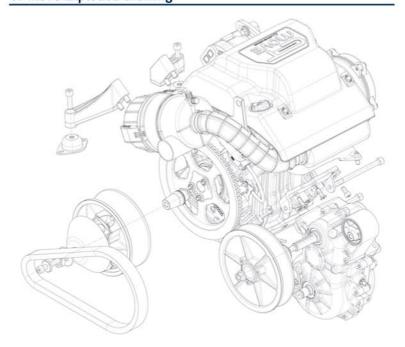
LDW 442 CRS @ 4400 r.p.m.



N	Power curve - 80/1269/CEE - ISO 1585 -	
MN	Torque curve - (N curve)	
5	MB (NB curve) - MA (NA curve)	
С	Specific fuel consumption - (NB curve)	

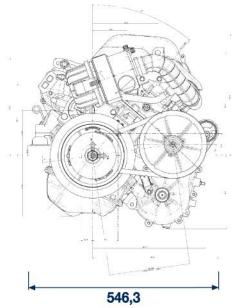
Power ratings refer to engines equipe with air filter, standard muffler, after being run in and in ambient conditions of 20°C and 1 bar. Power levels drop by 1% every 100m altitude and by 2% every 5°C above 20°C.

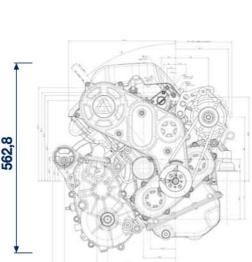
CT Move Exploded drawing



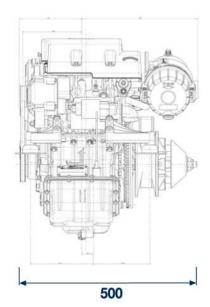
CT Move

Technical drawings *









Standard equipment

- Accelerator pedal with potentiometer
- Fuses and relays box
- Engine electronic control unit (ECU)
- Fuel filter with water indicator
- Shock absorbers on 3 points (2 forward and 1 rear)
- Electrical fuel feeding pump





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