

CURSOR

The 6 cylinder in line turbocharged and aftercooled Diesel engines of the CURSOR family are the result of advanced technological solutions that give maximum power performances with reduced displacement and are offered by Iveco Motors in genset duty market engines, with the gaseous emission level required by European 2002/88/EC and American EPA-CARB directives.



PERFORMANCES

RATINGS ¹⁾	1500 rpm		1800 rpm		
	PRIME	STAND-BY ³⁾	PRIME	STAND-BY ⁴⁾	
Rated output ²⁾	kWm	232	255	251	276

1) Ratings in accordance with ISO 8528 - For duty at temperature over 40°C and/or altitude over 1000 meters must be considered a power derating factor. Contact the Iveco Motors sales organization.

2) Net power at flywheel available after 50 hours running with a $\pm 3\%$ tolerance.

3) 2002/88/EC Stage 2

4) EPA TIER III

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions.

A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. No kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the Iveco Motors sales organization.

TECHNICAL DATA

Engine model	C87 TE1D	
Diesel 4 stroke - Injection	direct, Common Rail	
Nb. of cylinders and arrangement	6, in line	
Speed governor	electronic	
Total displacement	liters	8.7
Bore x Stroke	mm	117 x 135
Aspiration	turbocharged aftercooled	
Cooling system	liquid (water + 50% Parafllu 11)	
Flywheel housing / Flywheel	SAE1 / 14"	
Flywheel rotation	CCW	
Lube oil specifications	ACEA E3 - E5	
Lube oil consumption	< 0.2% of fuel consumption	
Fuel specifications	EN 590	
Oil and filters interval for replacement	hours	600

RPM	1500	1800
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Fuel consumption at:

100% load l/h (g/kWh)	n. a.	n. a.
80% load l/h (g/kWh)	n. a.	n. a.
50% load l/h (g/kWh)	n. a.	n. a.

Coolant capacity:

engine only	liters	~ 15
engine + radiator	liters	~ 63

ATB (without canopy)	°C	n. a.
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No remote cooling radiator allowed.

Lube oil total system capacity including

pipes, filters etc.:	liters	~ 28
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Electrical system	24 Vcc	
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Starting batteries:

recommended capacity	Ah	2 x 185
discharge current (EN 50342)	A	1200

Cold starting:

without air preheating	°C	-10
with air preheating	°C	-25

Engine dry weight	kg	1220
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SCOPE OF SUPPLY

Iveco Motors engine C87 TE1D equipped with:

- Mounted radiator incorporating air-to-air charge cooler.
- Front radiator guard.
- Oil drain pump.
- Mounted belt driven pusher fan.
- Fan guard.
- Mounted air filter with replaceable cartridges.
- Fuel filter.
- Primary fuel filter/water separator.
- Replaceable oil filter.
- Electronic engine control unit.
- Interface box.
- WT and OP sensors for gauges.
- HWT and LOP sensors.
- Front engine mounting brackets.
- Flywheel housing SAE 1 and flywheel 14".
- Re-directable exhaust gas elbow.
- Recircled oil breather system.
- Oil dipstick.
- 24 Vdc electrical system.
- User's handbook.

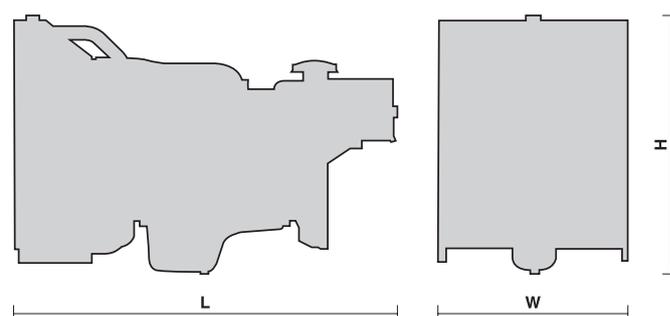
THE ENGINE IS SUPPLIED WITHOUT LIQUIDS.

OPTIONAL EQUIPMENT

On request the engine can be supplied with:

- 230 Volt water jacket heater.
- Turbo and exhaust gas guards.
- Exhaust gas flexible joint.
- Low water level sensors.

OVERALL DIMENSIONS



L = 2042 mm

W = 1055 mm

H = 1394 mm