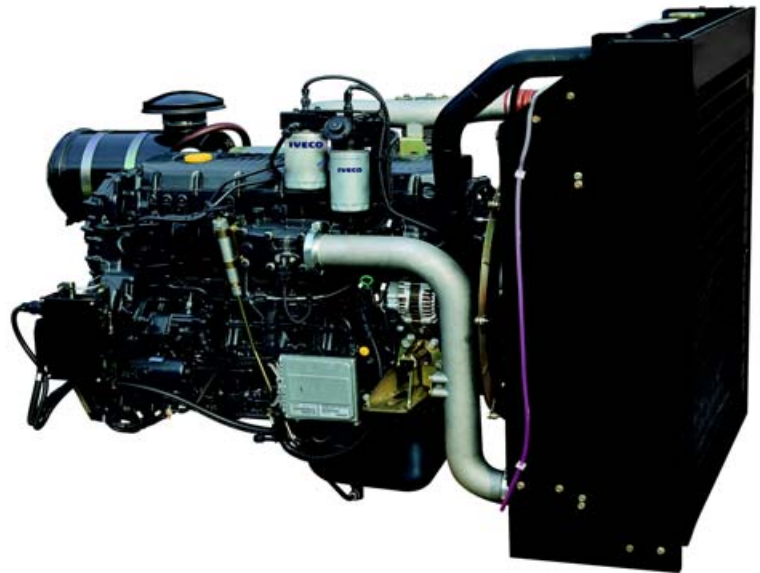


CURSOR

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.

Fully electronic control of the injection system allows a power range from 236 to 500 kW with the low gaseous emission level required by European 2002/88/EC directive.



PERFORMANCES

RATINGS ¹⁾	1500 rpm		1800 rpm	
	PRIME	STAND-BY	PRIME	STAND-BY
Rated output ²⁾	215	236	230	253
	kWm			

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.

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	CURSOR78 TE2		
Diesel 4 stroke - Injection	direct, E.U.I.		
Nb. of cylinders and arrangement	6, in line		
Speed governor	electronic		
Total displacement	liters	7.8	
Bore x Stroke	mm	115 x 125	
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

Fuel consumption at :

100% load	l/h (g/kWh)	51.0 (192.7)	57.0 (202.0)
80% load	l/h (g/kWh)	40.0 (189.4)	45.0 (199.4)
50% load	l/h (g/kWh)	26.0 (194.3)	29.0 (203.7)

Coolant capacity:

engine only	liters	~ 15
engine + radiator	liters	~ 63

ATB (without canopy) °C 55

No remote cooling radiator allowed.

Lube oil total system capacity including pipes, filters etc. : liters ~ 28

Electrical system 24 Vcc

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 1030

SCOPE OF SUPPLY

Iveco Motors engine CURSOR78 TE2 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, pump injector units with wiring loom and sensors.
- Box relais.
- 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.
- Recirculed oil breather system.
- Oil dipstick.
- 24 Vdc electrical system.
- User's handbook.

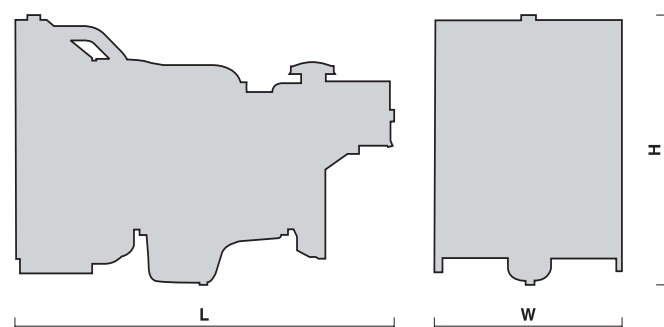
THE ENGINE IS SUPPLIED WITHOUT LIQUIDS.

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 = 2107 mm
W = 1055 mm
H = 1480 mm

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