

KOHLER

Industrial Diesel Generator Set – D330 50 Hz

Engine

General

Engine brand	DOOSAN / HYUNDAI
Engine ref.	P126TI-II *
Air inlet system	Turbo
Fuel	Diesel Fuel/HVO
Emission level	Fuel consumption optimization
Cylinder configuration	L
Number of cylinders	6
Displacement (l)	11,05
Bore (mm) * Stroke (mm)	123 * 155
Compression ratio	17 : 1
Speed 50Hz (RPM)	1500
Maximum stand-by power at rated RPM (kW)	294
Charge Air coolant	Air/Air
Frequency regulation, steady state (%)	+/- 0.25%
Injection Type	Direct
Governor type	Electronic
Air cleaner type, models	Dry

Fuel system

Maximum fuel pump flow (l/h)	270
Max head on fuel return line (m fuel)	1

Consumption with cooling system

Fuel consumption @ ESP Max Power (l/h)	77,60
Fuel consumption @ PRP Max Power (l/h)	63,10
Fuel consumption @ 75% of PRP Power (l/h)	47
Fuel consumption @ 50% of PRP Power (l/h)	31,30

Emissions

Emission PM (g/kW.h)	0,1370
Emission CO (g/kW.h)	0,1120
Emission NOx (g/kW.h)	8,0080
Emission HC (g/kW.h)	0,3320

* Engine reference may be partially modified depending on genset application, options selected by the customer and lead time required.

Lubrication System

Oil system capacity including filters (l)	25
Min. oil pressure (bar)	0,50
Max. oil pressure (bar)	10
Oil sump capacity (l)	23
Oil consumption 100% ESP 50Hz (l/h)	0,06

Air Intake system

Max. intake restriction (mm H2O)	635
Combustion air flow (l/s)	335

Exhaust system

	PRP	ESP
Exhaust gas flow (L/s)		790
Exhaust gas temperature @ ESP (°C)		590
Heat rejection to exhaust (kW)		254
Max. exhaust back pressure (mm H2O)		600

Cooling system

Radiator & Engine capacity (l)	50,50
Fan power 50Hz (kW)	10
Fan air flow w/o restriction (m3/s)	5
Available restriction on air flow (mm H2O)	20
Type of coolant	Glycol-Ethylene
Radiated heat to ambient (kW)	35
Heat rejection to coolant HT (kW)	116
HT circuit flow rate (l/min)	265
Coolant capacity HT, engine only (l)	19
Max coolant temperature, Shutdown (°C)	103
Max. pressure at inlet of HT water pump (mbar)	883
Thermostat begin of opening HT (°C)	71
Thermostat end of opening HT (°C)	85