HYUNDAI

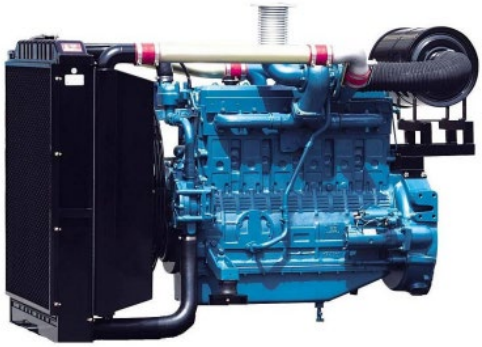
P126TI

GENERATOR

11.1L / 6 CYLINDERS

DESCRIPTION

- P126TI-Series Engines has been in global generator market for many years and proved its quality as well as reliability.
- P126TI-Series is also acknowledged for its easy maintenance and operation.



FEATURES & BENEFITS

[East Maintenance & Operation]

- Mechanical type engine
- Commonality of key parts

[High Durability]

- Higher warranty period through sufficient verification

 - 1000hrs /5years (ESP)
 - Unlimited /1year (PRP)

OUTPUT

1,500 RPM (50Hz)									1,800 RPM (60Hz)								
Standby			Prime			Continuous			Standby			Prime			Continuous		
kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA
272	249	311	241	220	275	169	152	190	298	270	338	278	251	314	195	173	216

- Generator efficiency (typical) : 94.0%
- kWm= kilo Watt mechanical, Gross power; kWe= kilo Watt electric = (kWm-Fan loss) x Generator eff.
  kVA= kilo Volt Ampere
  Calculations based on a 0.8 power factor = kWe/0.8

P126TI

GENERAL DATA

Type	Diesel, Water cooled, Turbo charged & Intercooled
Bore	123mm
Stroke	155mm
Displacement liter	11.05
Cylinders and Arrangement	Cast iron, 6 Cylinder, In-line Type
Battery charging alternator	28.5V x 45A alternator
Starting voltage	24V
Fuel system	Mechanical Injection Pump
Fuel filter	Full flow, Cartridge type with water drain valve
Lube oil filter type (s)	Full flow, Cartridge type
Lube oil capacity (l)	Max. 23 liters , Min. 20 liters
Flywheel dimensions	SAE NO. 1M / Clutch NO. 14 M

COOLING SYSTEM

Cooling method		Jacket Water and Charge Air Cooled
Cooling ratio		50% ethylene glycol; 50% water
Water capacity (L)	**with radiator**	51liters
	Without radiator	19liters
Fan power (kW)		7kW(50Hz), 11kW(60Hz)
Cooling system air flow (m^3/min)		6.17(50Hz), 7.22(60Hz)

FUEL CONSUMPTION

1,500 RPM (50Hz)

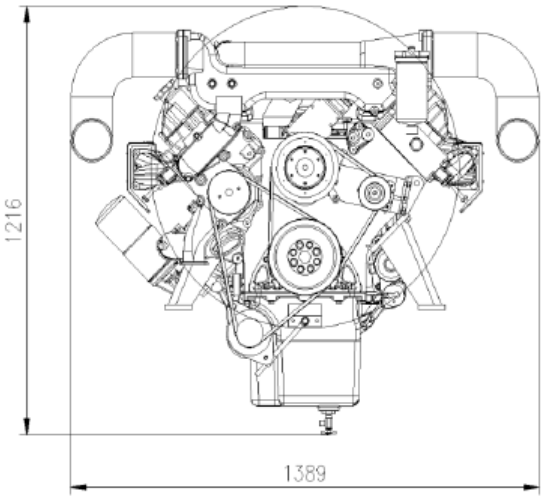
%	kWm	BHP	Liters/hr	USgal/hr
Standby Power				
100	272.0	364.8	66.2	17.50
Prime Power				
100	241.0	323.2	58.1	15.35
75	180.8	242.4	43.6	11.52
50	120.5	161.6	30.0	7.93
25	60.3	80.8	16.4	4.33
Continuous Power				
100	169.0			

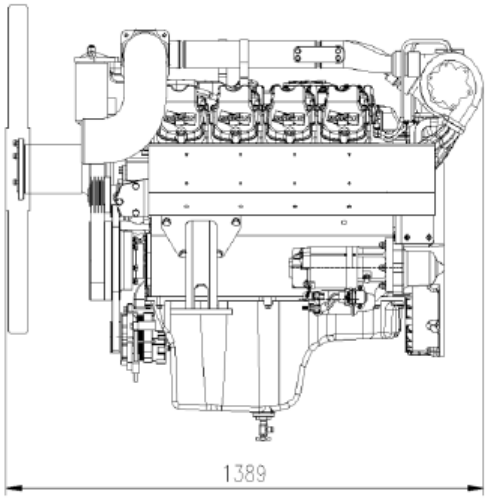
1,800 RPM (60Hz)

%	kWm	BHP	Liters/hr	USgal/hr
Standby Power				
100	298.0	399.6	76.5	20.21
Prime Power				
100	278.0	372.8	70.3	18.57
75	208.5	279.6	52.3	13.82
50	139.0	186.4	36.2	9.56
25	69.5	93.2	20.3	5.36
Continuous Power				
100	195.0			

P126TI

DIMENSIONS





Weights and Dimensions				
Item	**Length (mm)**	**Width (mm)**	**Height (mm)**	**Dry Weight (kg)**
Engine	1,389	1,389	1,216	950

POWER RATING GUIDE

The power ratings of Emergency Standby and Prime are in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046. Electric power (kWe) must be considered cooling fan loss, alternator efficiency, altitude derating and ambient temperature.

ESP(STANDBY POWER) is applicable for supplying emergency power for the duration of the utility power outage. No overload capability is available for this rating. A standby rated engine should be sized for a maximum of an 70% average load factor and 200 hours of operation per year. This includes less than 25 hours per year at the Standby Power rating.

PRP(PRIME POWER) is available for an unlimited number of hours per year in variable load application. Variable load should not exceed a 70% average of the Prime Power rating during any operating period of 24 hours. The Total operating time at 100% Prime Power shall not exceed 500 hours per year. A 10% overload capability is available for a period of 1 hour within a 12 hours period of operation. Total operating time at the 10% overload power shall not exceed 25 hours per year.

COP(CONTINUOUS POWER) is defined as being the maximum power which the generating set is capable of delivering continuously whilst supplying a constant electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer.

※ Specifications are subject to change without prior notice.

HD Hyundai Infracore Co., Ltd.
[Sales Office] 13F, HD Hyundai Group's Global R&D Center, 477, Bundangsuseo-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea (13553)
enginesales@hd.com / www.hd-hyundaiengine.com