DIA-P 400

Output Ratings

Genset Model	Prime[1]	Standby[2]
380-415V, 50Hz	350kVA / 280kW	400kVA / 320kW
480V, 60Hz	-	-

Ratings are given at 0,8 power factor

Dimension & Weight

Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
3450/4356	1450/1450	1950/2500	2713/3413	2756/3458

Dry: With Lube Oil Wet: With Lube Oil & Coolant

Without canopy/ with canopy

Engine Technical Data

Engine Model :	Perkins 2206A-E13TAG2
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	130.0 / 157.0
Induction :	Turbocharged CAC
Cooling Method :	Water
Governor Type :	Electronic
Compression Ratio :	16.3:1
Displacement [lt] :	12.5
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	70

Cooling System

	50Hz
Cooling System Capacity [lt] :	52

Lubrication System

Total Oil Capacity [lt] :	40.0
Oil Type :	API CH4 15W-40
Oil Cooling Method :	Water

Exhaust System

		50Hz
Max. Allowable Back Pressure [kPa] :		10.0
Exhaust Gas Flow [m^3/min] :		
	Prime	64.6
	Standby	72.5
Exhaust Gas Temp. [$^\circ$C] :		
	Prime	630
	Standby	630

Fuel System

Fuel Filter Type :	Replaceable Element
Recommended Fuel :	Class A2 Diesel

Fuel Consumption [lt] :

Prime	110% Load	100% Load	75% Load	50% Load
50Hz	80	71	54	37

(Based on diesel fuel with a spec. gravity of 0,84 and complied with BS2869, Class A2)

Performance

		50Hz
Engine Speed [rpm] :		1500
Gross Engine Power [kW] :		
	Prime	324
	Standby	368

Air Systems

		50Hz
Air Filter Type :		Replaceable Element
Combustion Air Flow [m^3/min] :		
	Prime	24.3
	Standby	26.4
Max. Combustion Air Intake Restriction [kPa] :		6.4

Alternator Data

Manufacturer :	LINZ
Model :	PRO 28LG/4
No. of Bearings :	Single
Insulation Class:	H
Winding Pitch :	2/3
Number of Wire :	6
Protection Class :	IP23
Efficiency:	93.8%
Voltage Regulation (Steady State) :	0.5%
Total Harmonic Content:	2.0%
Appearent power [kVA]:	420
Radiant Heat [Kw]:	

Available Options

Diamond offers a range of optional features to tailor our gensets to meet your power requirements.

Options:

* A wide range of Sound Attenuated Enclosures
* A variety of generating set control and synchronising panels
* Additional alarms and shutdowns
* A selection of exhaust silencer noise levels

For further information on all of the standard and optional features for this product, please contact DIAMOND or visit www.diamondcable.com.tr

1-Prime Rating: These ratings are applicable for supplying continuous electrical power (at variable load) of commercially purchased power. There is no limitation to the annual hours of operation, this model can supply 10% overload power 1 hour in each 12 hours.

2-Standby Rating: These ratings are applicable for supplying continuous electrical power (at variable load) in the event of an utility power failure.No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528)

Standard Reference Conditions: Standart reference conditions 25'C Air Inlet Temp. 100m, 30% relative humidity.