

**Output Ratings**

Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>
415V 60 Hz	415,7kVA / 332,56kW	456,9kVA / 365,52kW

Ratings are given at 0,8 power factor

**Dimension & Weight**

Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
3350/4260	1300/1300	1730/1980	3175/3775	-

Dry: With Lube Oil

Wet: With Lube Oil & Coolant

Without canopy/ with canopy

**Engine Technical Data**

Engine Model :	Volvo TAD1343GE
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	131 / 158
Induction :	Turbocharged CAC
Cooling Method :	Water
Governor Type :	Electronic
Compression Ratio :	18.1:1
Displacement [lt] :	12.78
Electrical Sys. Voltage	24V/Negative
Battery Charger Amps.	80A

**Lubrication System**

Total Oil Capacity [lt] :	36
Oil Type :	API: CG-4, CH-4 15W-40
Oil Cooling Method :	Water

**Fuel System**

Fuel Filter Type :	Replaceable Element
Recommended Fuel :	ASTM-D975-No1 and 2-D

**Fuel Consumption [lt] :**

	110% Load	100% Load	75% Load	50% Load
60Hz	96,0	87.5	65.6	45,0

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

**Alternator Data**

Manufacturer :	Linz Electric
Model :	PRO28L G/4
No. of Bearings :	Single
Insulation Class:	H
Winding Pitch :	2/3
Number of Wire :	12
Protection Class :	IP23
Efficiency:	94 %
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Apparent power [kVA]:	490

**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.

**Cooling System**
**60 Hz**

Cooling System Capacity [lt] :	44
Heat rejected to Water & Lube Oil [kW]:	
Prime	163
Standby	177
Heat Radiation to Room [kW] :	
Prime	22
Standby	23
Radiator Fan Load [kW] :	18
Radiator Cooling Air Flow [m <sup>3</sup> /min] :	444
External Restrictions to :	
Cooling Airflow [Pa] :	290

**Exhaust System**
**60 Hz**

Max. Allowable Back Pressure [kPa] :	9
Exhaust Gas Flow [m <sup>3</sup> /min] :	
Prime	66
Standby	71
Exhaust Gas Temp. [ °C ] :	
Prime	446
Standby	498

**Performance**
**60 Hz**

Engine Speed [rpm] :	1800
Gross Engine Power [kW] :	
Prime	371
Standby	406

**Air Systems**
**60 Hz**

Air Filter Type :	Replaceable Element
Combustion Air Flow [m <sup>3</sup> /min] :	
Prime	28
Standby	28
Max. Combustion Air Intake	
Restriction [kPa] :	5.0

**Available Options**

Arken 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 ARKEN or visit [www.arkengenerator.com](http://www.arkengenerator.com)