

Output Ratings		
Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>
380-415V, 50Hz	1850kVA / 1480kW	2000kVA / 1600kW

Ratings are given at 0,8 power factor

Dimension & Weight					
	Lenght [mm]	Width[mm]	Height[mm]	Weight[kg]	Fuel Tank Capacity
Without canopy	6200	2250	2750	13000	.....
With canopy	12220	2470	3950	.....	

Lubrication System	
Engine Model :	4016-TAG1A
Number of Cylinders:	16 / V
Cycle :	4 Stroke
Bore / Stroke [mm] :	160.0 / 190.0
Induction :	Turbocharged CAC
Cooling Method :	Water
Governor Type :	Electronic
Compression Ratio :	13.6:1
Displacement [lt] :	61.1
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	40

Cooling System		50Hz
Cooling System Capacity [lt] :		95
Heat Radiation to Room [kW] :		
	Prime	90
	Standby	117
Radiator Fan Load [kW] :		90
External Restrictions to :		
Cooling Airflow [Pa] :		245

Lubrication System	
Total Oil Capacity [lt] :	213.0
Oil Type :	API CD 15W-40
Oil Cooling Method :	Water

Exhaust System		50Hz
Max. Allowable Back Pressure [kPa] :		4
Exhaust Gas Flow [m <sup>3</sup> /min] :		
	Prime	-
	Standby	400
Exhaust Gas Temp. [ °C ] :		
	Prime	400
	Standby	420

Fuel System					
Fuel Filter Type :	Replaceable Element				
Recommended Fuel :	Class A2 Diesel				
Fuel Consumption [lt] :					
	110%	100%	75%	50%	
	Load	Load	Load	Load	
50Hz	414	384	303	198	

Performance		50Hz
Engine Speed [rpm] :		1500
Gross Engine Power [kW] :		
	Prime	1648
	Standby	1774

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

Alternator Data	
Manufacturer :	Stamford
Model :	PI 734E
No. of Bearings :	Single
Insulation Class:	H
Winding Pitch :	2/3
Number of Wire :	6
Protection Class :	IP23
Efficiency:	95.8%
Voltage Regulation (Steady State) :	1%
Total Harmonic Content:	3.0%
Apparent power [kVA]:	2035

Air Systems		50Hz
Air Filter Type :	Replaceable Element	
Combustion Air Flow [m <sup>3</sup> /min] :		
	Prime	147.0
	Standby	155.0
Max. Combustion Air Intake		
Restriction [kPa] :		3.7

**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)

**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.