

Powered By:



Notes

1. The applicable voltage range is 380V to 415V for 50Hz applications. For other voltages, please consult factory.
2. This generating set is of fixed speed of 1500rpm.
3. YP135 is the prime power rating of the generating set is where a variable load and unlimited hour usage are applied with an average load factor of 80% of the prime rating over each 24-hour period. Noting that a 10% overload is permitted for 1 hour in every 12-hour operation.
4. YP150 is the standby power rating of the generating set is where a variable load limited to an annual usage up to 500 hours is applied, with 300 hours which may be continuous running. Noting that no overload is permitted.

Ratings @ 0.8 PF

Ratings @ 0.8 PF		Prime Rating	Standby Rating
Voltage	Frequency	636 KVA	700 KVA
230/400V	50Hz	509 KW	560 KW

ENGINE TECHNICAL DATA

Make & Model CUMMINS VTA28G5

Cylinders & Arrangement	12; 40° Vee
Bore & Stroke (mm)	140 x 152
Induction System	Turbo Charged & Aftercooled
Combustion	Direct Injection
Cycle	4 stroke
Compression Ratio	13.1:1
Cooling System	Water Cooled
Displacement	28 liters
Lube Oil Capacity	83 liters Max
Coolant Capacity	80 liters
Standard Governor (Optional)	Electronic
Engine Speed	1500 rpm
Fuel Consumption (L/H) @100% Load	140
Fuel Consumption (L/H) @50% Load	73
Fuel Consumption (L/H)@ 75% Load	104
Fuel Consumption (L/H)@25% Load	43
Radiator Cooling Air Flow (m ³ /s)	12.5
Emissions Regulations	For non-regulated territories
Exhaust Temperature °C (max)	507
Max Exhaust Gas Flow (m ³ ./min)	122.9
Max allowed back pressure (kPa)	10.0

ALTERNATOR TECHNICAL DATA

Make & Model Leroy Somer-TAL047F
Stamford –HC1544F

Frequency/No. of Poles	50Hz / 4P
Ingress Protection	IP23
Insulation Class	H
Terminals (Optional)	6 (12)
Excitation System	SHUNT
Winding Pitch	2/3
AVR Model	R150
Overspeed	2250 RPM
Voltage Regulation	± 1%
Coolant Airflow	0.9 m³ / s

CONTROLLER TECHNICAL DATA



DSE6010 panel is an automatic start generating set panel of microprocessor-based design which is capable of interfacing with electronic engine through the can-bus J1939. It is fully configurable by front fascia buttons and PC software as well. If Mains voltage is to be monitored, DSE6020 can be offered.

Circuit Breaker Schneider or ABB, 3 Pole MCCB (4 Pole available as optional)

DIMENSIONS & WEIGHT

Generator Type	Length mm	Width mm	Height mm	Weight kg
Open Type	4200	1500	2100	5300
Close Type	5530	1980	2460	6960

The above performance data are valid as per the following specs:

- Diesel Fuel is according to BS2869 Class A2 or equivalent.
- Lubricating oil is according to Grade SAE 15W-40 API C14
- The coolant should be 50% antifreeze and 50% fresh water.