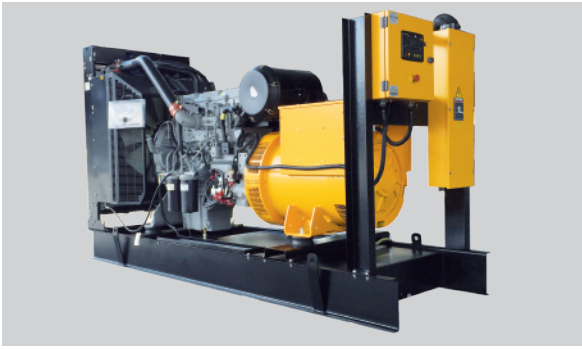
Gensets
Medium Range

Perkins | LEROY SOMER

PT355 - PT405S

POWERTECH GHADDAR

Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
Voltage*[1]	Frequency*[2]	PT 355*[3]	PT 405S*[4]
230/400 V	50 Hz	357 KVA	407.8 KVA
277/480 V	60 Hz	411 KVA	448.6 KVA



The above ratings represent the generating set capability guarantied within ±3% at the reference conditions equivalent to those specified in ISO 8528/1.

Notes

1. The applicable voltage range is 380V to 415V for 50Hz applications and 380V to 480V for 60Hz applications. For other voltage consult factory.

2.This generating set is of fixed speed of either 1500rpm or 1800rpm.

3. PT355 is the prime power rating of the generating set, where a variable load and unlimited hours usage are applied on the generating set with an average load factor of 80% of the prime rating over each 24 hour period. Noting that a 10% overload is available for 1 hour in every 12 hours operation.

4. PT405S is the standby power rating of the generating set, where a variable load limited to an annual usage up to 500 hours is applied, with 300 hours of which may be continuous running. Noting that no overload is permitted.

Certifications

- The complete Generating Set is type-tested according to ISO 8528-8 Standard.

- The control panel is certified by an ISO 17025 accredited laboratory to have IP55 according to IEC 60355

Quality ISO 9001 SAI GLOBAL

Dimensions

Length	3400 mm
Width	1120 mm
Height	1950 mm
Weight	2862 Kg

Technical Data

Engine model	**Perkins 2206A-E13TAG2**	
Cylinders	6 - vertical in-line	
Aspiration	Turbocharged & A/A charge cooled	
Combustion	Direct injection	
Cooling System	Water cooled	
Displacement	12.5 liters	
Oil consumption	0.1 % of fuel consumption	
Lube oil capacity	40 liters	
Coolant capacity	51.4 liters	
Governor	Electronic	
Speed	1500 rpm	1800 rpm
Fuel Consumption @ 100% Load	71 L/H	81 L/H
Fuel Consumption @ 75% Load	54 L/H	62 L/H
Fuel Consumption @ 50% Load	37 L/H	43 L/H
Radiator Cooling Air Flow	654 m3/min	788 m3/min
Max exhaust gas flow	64.8 m3/min	73.5 m3/min
Emissions regulations	For unregulated territories	

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 API CI4 (15W/40).*
- *The coolant should be 50% antifreeze and 50% distilled water.*

Alternator model	**Leroy Somer LSA 46.3 L11**	
Regulation	± 0.5 %	
International protection	IP23	
Insulation class	H	
Terminals	12	
Frequency	50 Hz	60 Hz
Coolant Air flow	0.48 m3/s	0.58 m3/s

GHADDAR MACHINERY CO.
www.ghaddar.com

Head Quarters & Factory - Ghazieh, Sidon, Lebanon Tel: +961 7 220 000 Fax: +961 7 221 754 / 223 322 P.O.Box: 110 Sidon - Email: info@ghaddar.com **Beirut Branch -** Tel: +961 1 847 770 Fax: +961 1 847 775
UAE - Rich Motor Co. FZE Hamriyah Free Zone, Phase II, Sharjah, UAE - Tel: +971 6 526 9111 Fax: +971 6 526 9431 - P.O.Box: 49353 Sharjah.
Nigeria - 37, Warehouse Road, Apapa, Lagos - Tel: +234 706 890 9333 - Email: drm@ghaddarnig.com