

| Rating @ 0.8 PF | | Prime rating | Stand-by rating |
|------------------------|----------------------|----------------------|-----------------------|
| Voltage * ¹ | Freq. * ² | PT1500* ³ | PT1650S* ⁴ |
| 400V | 50 Hz | 1500 KVA | 1650 KVA |

The above ratings represent the generating set capability guaranteed within + 3% at the reference conditions equivalent to those specified in ISO 8528/1, ISO 3046/1 and BS 5514/1

NOTES

1. The applicable voltage range is 380V to 415V for 50 Hz application and 380V to 480V for 60 Hz applications.
2. This generating set is of switchable speed of 1500rpm/1800rpm.
3. PT1500 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. Nothing that a 10% overload is available for 1 hour in every 12 hours operation.
4. PT1650S is stanby 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. Nothing that no overload is permitted.

| Engine Technical Data | | |
|-----------------------------------|----------------------------------|----------|
| Model | Perkins 4012-46TAG2A | |
| Cylinders | 12;60° Vee Form | |
| Aspiration | Turbocharged & A/A charge cooled | |
| Combustion | Direct injection | |
| Cooling System | Water cooled | |
| Displacement | 45.482 L | |
| Oil consumption | 0.52 g/K Whr | |
| Lube oil capacity | 177.6 L | |
| Coolant capacity | 210 L | |
| Governor | Electronic | |
| Emissions regulations | TA Luft (1986) | |
| Speed | 1500 rpm | 1800 rpm |
| Fuel Consumption PT1500 | 317.9 L/H | T.B.A. |
| Fuel Consumption PT1650S | 351.1 L/H | T.B.A. |
| Radiation Cooling Air Flow | T.B.A. | T.B.A. |
| Max Exhaust Gas Flow | 309 m ³ /min | T.B.A. |

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 CG4 (15W/40).
- * The coolant should be 50% antifreeze and 50% fresh water.

| Alternator Technical Data | | |
|---------------------------------|-------------------------|-----------------------|
| Model | Leroy Somer LSA 50.2 L8 | |
| Regulation | ±0.5% | |
| International protection | IP21 | |
| Insulation class | H | |
| Terminals | 6 | |
| Frequency | 50 Hz | 60 Hz |
| Coolant Air Flow | 1.6 m ³ /s | 1.6 m ³ /s |

| Shipping Data | | | |
|---------------|---------|---------|---------|
| Length | Width | Height | Weight |
| 5250 mm | 2250 mm | 2960 mm | 7870 kg |