

IMG36-IMG40S(50Hz)

Kubota

| Ratings @ 0.8 PF | | Prime Rating | Stand by Rating | |
|------------------|-------------|--------------|-----------------|--|
| Voltage*1 | Frequency*2 | IMG36*3 | IMG 40S*4 | |
| 230/400 V | 50 Hz | 36.2 kVA | 39.7 kVA | |

| Dimensions | |
|------------|---------|
| Length | 1800 mm |
| Width | 610 mm |
| Height | 1160 mm |
| Weight | 550 Kg |

The above ratings represent the generating set capability guaranteed within $\pm 3\%$ at the reference conditions equivalent to those specified in ISO 8528/1 standard.

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 1500 rpm.
- 3. IMG 36 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. IMG 40S 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 of which may be continuous running. Noting that no overload is permitted.

| Engine Technical Data | | | |
|------------------------------------|----------------------------------|--|--|
| Make & Model | KUBOTA V3300-T-E2-BG | | |
| Cylinders & Arrangement | 4; vertical in-line | | |
| Bore & Stroke (mm) | 100 x 120 | | |
| Induction system | Turbocharged | | |
| Combustion | Indirect injection | | |
| Cycle | 4 stroke | | |
| Compression ratio | 21.8 | | |
| Cooling System | Water cooled | | |
| Displacement | 3.769 liters | | |
| Lube oil capacity | 13.2 liters Max | | |
| Coolant capacity | 13.2 liters | | |
| Standard governor (Optional) | Mechanical \pm 5% (Electronic) | | |
| Engine Speed | 1500 rpm | | |
| Fuel Consumption (L/H) @ 110% Load | 9.6 @ 75% Load 6.5 | | |
| Fuel Consumption (L/H) @ 100% Load | 8.6 @ 50% Load 4.3 | | |
| Radiator Cooling Air Flow (m3/s) | 1.19 | | |
| Emissions regulations | EPA/CARB Tier2 | | |
| Exhaust temperature °C (max) | 500 | | |
| Max exhaust gas flow (m3/min) | 9.99 | | |
| Max. allowed back pressure (kPa) | 7.1 | | |

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

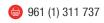
 $0.1 \, \text{m} \, 3/\text{s}$

- Diesel Fuel is accorg to BS2869 Class A2 or equivalent.
- Lubricating oil is according to Grade SAE 15W-40 API CI4.
- The coolant should be 50% antifreeze and 50% fresh water.

| Alternator Technical Data | | | | | |
|--|-----------|--------------------|-------------|--|--|
| Make & Model Leroy Somer TAL042F OR Stamford | | | | | |
| Frequency / No. of poles | 50Hz / 4P | Winding pitch | 2/3 | | |
| Ingress protection | IP23 | AVR model | R120 | | |
| Insulation class | Н | Overspeed | 2250 R.P.M. | | |
| Terminals (Optional) | 6 (12) | Voltage regulation | ±1% | | |



Excitation system



SHUNT

Coolant air flow