

**YKBT-332/S SPECIFICATIONS**

**28kW**



Japanese Technology.  
Australian Design. Powered by  


**GENERAL**

Model	YKBT-332/S
Power Type	Diesel
Prime Power (kW/kVA)	28/28
Standby Power (kW/kVA)	21/21

**ENGINE**

Engine Make and Model	KUBOTA V3300T-E2BG
Engine Type	Water-cooled, in line, 4 stroke, 1500rpm
Engine Prime Power (kW)	32.1
Engine Standby Power (kW)	35.3
Fuel	Diesel fuel No. 2-D(ASTMD975)
Fuel Tank Capacity (L)	200
Fuel Consumption (L/h)	7.5
Fuel Injection Pressure MPa (kgf/cm <sup>2</sup> )	13.73 (140)
Coolant Capacity (L)	19.5
Battery Type	Lead-acid, 1 x 12V - 120AH
Combustion Type	Spherical type (E-TVCS)
Bore (mm) x Stroke (mm)	98 x 110
No. of Cylinders	4
Displacement (L)	3.318
Compression Ratio	21.8
Steady Governing Type	All speed mechanical governor
Firing Order	1-3-4-2
Starting System	Starter (with glow plug)
Cooling System	Pressurised radiator, forced circulation with water pump
Lubricating System	Forced lubricating with Trochoid pump
Lubricating Oil	Class CF lubricating oil as per API classification is recommended
Lubricating Oil Capacity (L)	13.2
Intake Resistance kPa (mm/Aq)	≤1.96 (200)
Back Pressure kPa (mm/Hg)	≤7.07 (53)
Ho (Heat Rejection to coolant) (kcal/H)	27,995

**ALTERNATOR**

Model	SLG224D1, single bearing IP21
Frequency (Hz)	50
Rate Power (kW/kVA)	33/33
Power Efficiency	86.60%
Type	2 pole, rotating field
Exciter Type	Self-excited
Voltage Regulator	AS440
Voltage Regulation	±1.0%
No. of Phases	1 phase
Insulation	Class H/H
Protection	IP21
Rated Power Factor	1
Stator Winding	Double layer concentric
Winding Pitch	Two thirds
Waveform Distortion	No load <1.5%
Altitude (m)	1000

**UNIT**

Dimensions L x W x H (m)	2.3 x 1.1 x 1.2
Dry Weight (kg)	1550
Sound at 7m/dB	58

**STANDARD FEATURES**

- 50°C rated radiator
- Powder coated finish
- All moving parts fitted with safety guards
- IP65 electrical boxes dust and waterproof
- Rated lifting lugs
- Emergency E stop
- State of the art control system
- Remote monitoring



**ASSEMBLY**

The engine and alternator are closed coupled by means of an SAE flange. A full torsional analysis has been carried out to guarantee no harmful vibration will occur. Anti-vibration pads are affixed between engine alternator feet and base frame. Rubber diagonal isolators are specifically designed to reduce engine and alternator vibration and prevent distortion in the voltage and harmonic output of the generator. All iron and steel surfaces of the canopy fabrication have been sand blasted and then powder coated, which provides an excellent corrosion resistant surface.



**CONTROL SYSTEM**

IntelliLite MRS16 controllers are integrated controllers for gensets operating in groups parallel to each other and with or without the mains. Functionality is optimised for ease of use, whilst the installation and configuration includes a built-in synchroniser and digital isochronous load sharer.

**CompAp**



**QUALITY STANDARDS**

Our generator sets are compliant with all the main standards, such as ISO8528, ISO14000, GB755, BS5000, VDE0530, ISO3046, IEC34-1, AS3000.

**WARRANTY POLICY**

12 months, 1200 hours as per generator. Generators Australia Pty Ltd Warranty Policy.