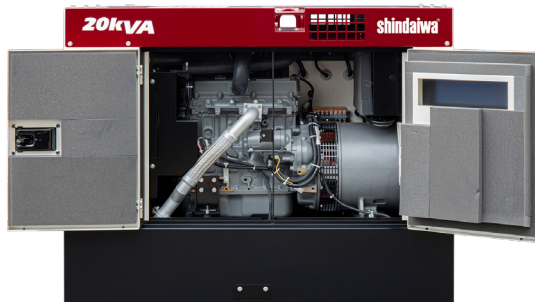




DGA20EM



SPECIFICATIONS

Model		DGA20EM
Generator	Generating Method	Rotating Field, Brushless 3-Phase Synchronous Generator
	Rated Frequency (Hz)	50
	Rated Output (kVA / kW)	20 / 16
	Rated Voltage (V)	415
	Rated Current (A)	27.8
	Rated Speed (min ⁻¹)	1500
	Phase & Wiring	3-Phase 4-Wire
	Power Factor (%)	80
	Insulation Class	F
	Exciting Method	Self-Excitation(Brushless)
	Poles	4
Unit	Length (mm)	1440
	Width (mm)	780
	Height (mm)	1140
	Dry Weight (kg)	699
	Installed Weight (kg)	789
	Sound Level(dB(A)) 7m Distance, No Load	51

Powered by
ISUZU

Model		DGA20EM
Engine	Model	Isuzu BV-4LE1
	Method	Vertical Water-Cooled 4-Cycle Diesel Engine
	Cylinder-Bore x Stroke (mm)	4 - 85 x 96
	Continuous Rated Output (kW / PS)	19.1 / 26
	Speed (min ⁻¹)	1500
	Displacement (L)	2.179
	Combustion Method	Swirl Chambered
	Cooling Method	Water-Cooling Radiator
	Lubricating	Trochoid Pump, Force-Feed Lubrication
	Starting	Starter Motor
	Fuel	Diesel
	Fuel Consumption (L/h)	50% Load 2.6
		75% Load 3.6
	Oil	SAE Class CD or Higher
	Fuel Tank Capacity (L)	78
	Lubricant Volume (L)	8.8 (Including Filter 0.4L)
	Coolant Volume (L)	8.2 (Including Sub-Tank 0.9L)
	Starter Motor Cap. (V-kW)	12 - 2.0
	Alternator Cap. (V-A)	12 - 20
	Battery	75D31R

CONTROL PANEL



1. Main Circuit Breaker
2. Controller
3. Emergency Stop Button
4. 3-Phase Breaker
5. 1-Phase Breaker
6. Voltage Regulator
7. Power Switch / Air Bleeding
8. Battery Isolator

AC Output Panel



9. 3-Phase RCCB
10. 3-Phase Receptacle (20A)
11. 1-Phase RCCB
12. 1-Phase Receptacle (15A)
13. Bonnet Grounding Terminal

FEATURES

Battery Isolator

Switching to OFF fully isolates the battery, preventing activation of the engine's electrical system and eliminating standby power draw.

Low noise

Minimal operating noise with a top-class low noise level. Ideal for communication and reducing worker fatigue at worksites.

RCCB

Each receptacle, 3-Phase and 1-Phase is incorporated with RCCB respectively. When current leak occurs, it trips to stop power transmission to load.

Robust alternator

In-house designed and manufactured brushless alternator ensures reliable performance, even in sandy, dusty, and extreme heat condition.

Powered by

Reliable engine **ISUZU**

Isuzu BV-4LE1 one of the most hardworking, efficient and cleanest running diesel engines on the market.

Emergency Stop

Allows immediate engine shutdown in emergency situations, helping to quickly reduce risk and protect personnel and equipment.