

Engine Model: VTA28-G5 - Driven by International Cummins G-drive Engine

2023 Version



	Genset Model	Prime Rating	Standby Rating
50 Hz	TOPI700	509 kW <i>636 kVA</i>	560 kW <i>700 kVA</i>
60 Hz	TOPI750	545kW <i>681 kVA</i>	600 kW <i>750 kVA</i>

- Authorized Genset Original Equipment Manufacturer (GOEM) of Cummins Inc. and Chongqing Cummins
- Fully load tested and checked under standard procedures
- Tailor fit specific operational needs (please turn over)

Specifications

Engine	50 Hz	60Hz
Engine Model - International Cummins	VTA28-G5	
Engine Speed	1500rpm	1800rpm
Fuel consumption (Standby) Litre/hour 100%	154	173
Fuel consumption (Prime) Litre/hour 100%	140	154
75%	104	118
50%	73	84
25%	43	50
Engine Type	4-Cycle, 40° Vee, 12-Cylinder	
Aspiration	Turbocharged & aftercooled	
Bore x Stroke	140mm x 152mm	
Displacement	28 Litre	
Compression Ratio	13.1:1	
Lubrication System - Total System Capacity	83 Litre	
Cranking Motor	24 Volt	
Fuel injection System	Direct Injection Cummins PT	

Control System

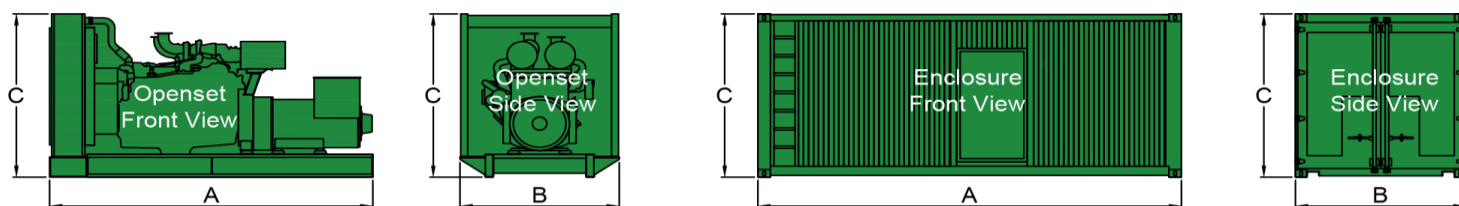
Standard Control Panel System

- Deep Sea Electronics: key start, auto start, synchronising
- ComAp Control: single gen-set controllers, paralleling gen-set controllers
- Analog Instrument Panel

Alternator

Alternator Model - STAMFORD Alternators			S5L1D-F41
Rated Power Factor			0.8
Insulation System			Class H
Winding Pitch			Two Thirds
Winding Leads			12
Protection			IP23
Control System - Separately Excited By P.M.G.			
A.V.R.	MX321	MX341	
Voltage Regulation	± 0.5 %	± 1.0 %	With 4% Engine Governing

Dimensions and Weights



A: Length(mm)	B Width(mm)	C: Height(mm)	Gross Weight (kgs)
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Open-set

3840

1890

2150

5600

Enclosure-set

6058

2438

2590

12100

** Dimensions and weights are for guidance only. Do not use for installation design.*

Available Options

We offer a wide range of optional equipment to tailor your generating sets so as to meet your operational needs. Options include:

- Alternator heater, engine heater or panel heater
- Circuit breaker 3P/4P
- Customization of the fuel tank size
- Silencer
- Tailor-made enclosure sets

For further information on the standard or optional equipment accompanying this product, please feel free to contact us.

Documentation

A full set of operation and maintenance manuals as well as circuit wiring diagrams.

Warranty

Parts warranty up to 1500 hours or a year of operation whichever comes first. Please contact us for full details on warranty cover.

**All specifications are subject to change without notice.*