



**VOLVO
PENTA**

80 - 700KVA

Cool Power Diesel Generator Sets Powered by VOLVO

Description

Cool Power generator sets offer a wide range of Prime & Standby power ratings suitable for residential, commercial & industrial applications.

Our standard genset includes set mounted heavy duty tropicalised radiator with protection guards rated for up to 45°C air-on temperature.

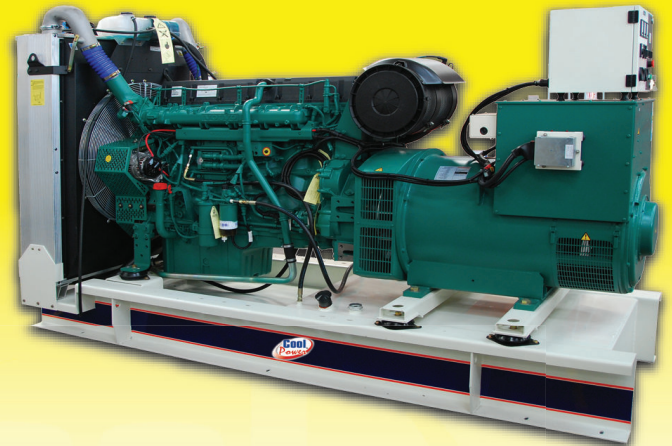
All our equipment are guaranteed under warranty against manufacturer defects for a period of 12 months or 1500 operating hours from date of initial start-up, or 18 months from date of shipment, whichever is earlier.

Alternator

- Type: 4-pole, rotating field
- Exciter type: Brushless, self exciting
- Automatic voltage regulator (AVR): Solid state, Volts/Hz
- Industrial standard, single bearing type
- Self ventilated, screen protected IP23
- Voltage regulation $\pm 1\%$ at any fixed load
- Power factor: 0.8 @ 3P4W
- Re-connectable
- Two-third pitch

Scope of Supply

- Heavy duty steel channel base frame
- Anit-Vibration mounts supports between engine / alternator & base frame
- All gensets includes set mounted heavy duty tropicalised radiator with protection guards to cool the engine up to 45°C air-on temperature.
- High capacity lead-acid starting batteries.
- Heavy duty industrial type silencer & stainless steel flexible exhaust bellow.
- Manual start set mounted control panel using Deep Sea controller as standard or equivalent c/w: voltmeter, ammeter, frequency/rpm, hour run counter, lub oil pressure gauge, water temperature gauge & safety shutdown protection for low oil pressure, high water temperature and engine overspeed.
- Circuit breaker – GE as standard or equivalent



Optional Supply

- Weatherproof / soundproof / super soundproof enclosure
- Mobile trailer
- Remote radiator cooling
- Engine / alternator heaters
- Auto load sharing & synchronizing panel
- Auto Start / Auto Mains Failure (AMF) / ATS control panel
- PMG alternator excitation

Volvo Engine

- Low emission – up to EPA / CARB tier 3 compliant
- Excellent step load performance
- Durable & reliable
- Low fuel consumption – Advance combustion chamber design, Electronic Engine Management System (EMS)
- Compact engine design



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380 - 415V, 50Hz, 1500rpm

GENSET MODEL (PRIME)	KVA (PRIME)	GENSET MODEL (STANDBY)	KVA (STANDBY)	ENGINE MODEL	Length (mm)	Width (mm)	Height (mm)	Dry Weight (kg)
CPV80	80	CPV90E	90	TD520GE	2020	850	1565	1033
CPV100	100	CPV110E	110	TAD531GE	2020	850	1612	1056
CPV115	115	CPV125E	125	TAD532GE	2350	880	1612	1427
CPV125	125	CPV140E	140	TAD532GE	2350	880	1612	1477
CPV150	150	CPV165E	165	TAD731GE	2350	880	1612	1544
CPV190	190	CPV205E	205	TAD732GE	2550	995	1780	1845
CPV200	200	CPV220E	220	TAD733GE	2550	995	1780	1925
CPV250	250	CPV275E	275	TAD734GE	2800	1015	1780	2296
CPV300	300	CPV330E	330	TAD941GE	2910	1107	1800	2520
CPV325	325	CPV358E	358	TAD941GE	2910	1107	1800	2520
CPV375	375	CPV410E	410	TAD1343GE	3100	1114	1830	3450
CPV410	410	CPV450E	450	TAD1344GE	3100	1114	1830	3450
CPV450	450	CPV500E	500	TAD1345GE	3130	1114	1887	3650
CPV500	500	CPV550E	550	TAD1641GE	3300	1160	2030	3786
CPV570	570	CPV625E	625	TAD1642GE	3300	1160	2030	3930
CPV630	630	CPV700E	700	TWD1643GE	3405	1400	2080	4061

Note:

Dimensions and weight are approximate values.
Deration may be necessary at certain voltages.

Ratings based on ISO3046, BS5514, DIN6271, $\pm 5\%$ tolerance. Standard reference conditions: air inlet temperature 27°C, altitude 100m asl, fuel weight 0.85Kg/l. Prime rating: Continuous running at variable load. No limit to the annual hours of operations. 10% overload capability for 1 hour in any 12 hours. Standby rating: Emergency power at variable load in the event of Utility power failure. No overload is permitted.

Authorised Agent

Cooltech Power International Pte Ltd

21, Bukit Batok Crescent #05-70
WCEGA Tower, Singapore 658065
Tel: +65 6567 8521 Fax: +65 6567 8528
Email: info@coolpower.com.sg