

320 **kVA**
RATED OUTPUT

Standby power sized to carry the whole load the moment the mains drop, built around a turbocharged industrial engine and a Nidec alternator.

PRIME POWER

320 kVA

RATED CURRENT

462 A

PRIME OUTPUT

256 kW

VOLTAGE

400V



Volvo Penta TAD843GE

APPLICATIONS

Emergency power · Data & telecoms · Healthcare · Industry · Agriculture · Remote sites

TECHNICAL SPECIFICATION

OUTPUT

Prime power	320 kVA / 256 kW
Voltage, frequency, phase	400 V, 50 Hz, 3-phase
Rated current	462 A
Power factor	0.8 pf (lag)

ENGINE

Engine	Volvo Penta TAD843GE
Mechanical output	280 kW at 1500 rpm
Configuration	6 cylinder in-line, 7.7 L
Aspiration and cooling	TCI, water cooled
Emission standard	EU Stage II
Starting	24 V electric, 2 x 100 Ah lead acid, cold start aid

ALTERNATOR AND CONTROL

Alternator	Nidec LSAP 45 C, Class H, IP-23
Control	Deep Sea Electronics DSE 7320 / 7420, Auto start
Outgoing protection	ABB 500 A MCCB

FUEL AND RUNNING

Consumption at 50 / 75 / 100%	34 / 49 / 65 L/h
Fuel tank	600 L, base mounted
Runtime at 75% load	12 h

ENCLOSURE AND HANDLING

Noise level	68 dB(A) at 7 m
Dimensions (L x W x H)	3900 x 1520 x 2175 mm
Weight	3600 kg
Enclosure	Silent, CRCA

WHERE THIS SITS IN THE RANGE

MODEL	PRIME	OUTPUT	ENGINE	L X W X H	WEIGHT	NOISE
PKGVE-30	30 kVA	24 kW	Eicher (VECV) EE483TCII	2250 x 1020 x 1330 mm	1000 kg	68 dB(A) at 7 m
PKGVE-40	40 kVA	32 kW	Eicher (VECV) EE483TC	2250 x 1020 x 1330 mm	1050 kg	68 dB(A) at 7 m
PKGVE-50	50 kVA	40 kW	Eicher (VECV) EE483TC	2400 x 1090 x 1470 mm	1200 kg	68 dB(A) at 7 m
PKGVE-62.5	62.5 kVA	50 kW	Eicher (VECV) EE483TC	2400 x 1090 x 1470 mm	1250 kg	68 dB(A) at 7 m
PKGVE-82.5	82.5 kVA	66 kW	Eicher (VECV) EE683TC	3100 x 1100 x 1585 mm	1700 kg	68 dB(A) at 7 m
PKGVE-100	100 kVA	80 kW	Eicher (VECV) EE683TC	3420 x 1100 x 1680 mm	1900 kg	68 dB(A) at 7 m
PKGVE-125	125 kVA	100 kW	Eicher (VECV) EE694TCII	3420 x 1100 x 1680 mm	2100 kg	68 dB(A) at 7 m
PKGVE-160	160 kVA	128 kW	Eicher (VECV) EE694TCII	3420 x 1100 x 1830 mm	2200 kg	68 dB(A) at 7 m
PKGVP-200	200 kVA	160 kW	Volvo Penta TAD840GE	3900 x 1520 x 2175 mm	3300 kg	68 dB(A) at 7 m
PKGVP-250	250 kVA	200 kW	Volvo Penta TAD841GE	3900 x 1520 x 2175 mm	3400 kg	68 dB(A) at 7 m
PKGVP-320	320 kVA	256 kW	Volvo Penta TAD843GE	3900 x 1520 x 2175 mm	3600 kg	68 dB(A) at 7 m