



ESE 60 IW/RS

Order No. **335276**

Main features

Max. Output [LTP] [kVA/kW]	60.0/48.0
Prime power (PRP) [kVA/kW]	54.0/43.2
Nominal voltage [V]	400/230
Frequency [Hz]	50
Nominal current 3~ (PRP) [A]	78
Power factor cos (phi)	0,8
Shockproof sockets	1x CEE 400V / 63A 1x CEE 400V / 32A 1x CEE 400V / 16A 1x 230V / 16A Terminal board

Measures and weight

Dimensions L x W x H [mm]	2650 x 1110 x 1660
Weight in kg ca.	1482
Fuel tank capacity [l]	260

Autonomy

Running time @ 75% PRP [h]	31,9
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Noise level

Sound power level LWA [db(A)]	94
Sound pressure level LPA (7 m) [db(A)]	69

Installation data

Total air flow [m³/min]	2,97
Exhaust gas flow @ PRP [m³/min]	8,3
Exhaust gas temperature	760
Maximum back pressure [kPa]	22

Technical data and illustrations are not binding. We assume no liability for misprints.

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Motor	
Brand	FPT
Model	F34TEV1PV.S550
Emission regulation	Stage V
Nr. of cylinder and disposition	4
Cooling system	Water-cooled
Displacement [ccm]	3400
Compression rate	17:1,0
Engine output (COP) [kW]	54
Engine output (PRP) [kW]	54
Engine output (LTP) [kW]	55
RPM [U/min]	1500
RPM regulation	Electronic/CR
Starting system	Electric starter
Electric circuit [V]	12
Battery [Ah]	100
Fuel	Diesel
Specific fuel consumption @ 75% PRP [g/kWh]	171
Oil capacity [L]	9,5
Coolant capacity [L]	5,1
Fuel consumption @ 75% PRP [L/h]	8,15
Fuel consumption @ 100% PRP [L/h]	13,6

LTP - Limited Power in continuous service as ISO 8528-1:2005. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 h of operation per year (whose no more than 300 for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

PRP - Power in continuous service as ISO 8528-1:2005. It is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output over 24h of operation shall not exceed 70 % of the prime power.

COP - Base load (continuous) service as ISO 8528-1:2005. It is defined as being the maximum power which the generating set is capable of delivering continuously whilst supplying a constant electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. A 10% overload capacity is available for a period of 1 hour within a 12-hour period of operation.

Ratings definition (ISO-8528)

ESP - Emergency Standby Power: It is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

This CO₂ measurement results from testing over a fixed test cycle under laboratory conditions a(n) (parent) engine representative of the engine type (engine family) and shall not imply or express any guarantee of the performance of a particular engine'.

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Generator	
Brand	MeccAlte ECP 32-2M/4C
Alternator type	synchron
Insulation class	Klasse H
Voltage regulation	electronic
Protection Class [IP]	23
Poles	4
Frequency [Hz]	50
Frequency tolerance [%]	±1
Voltage tolerance [%]	1
Power factor cos (phi)	0,8
Efficiency @ 75% load [%]	90,7
Standard AVR	DSR
THD full load LL/LN [%]	2,1/2,1
THD no load LL/LN [%]	2,7/2,7
THF [%]	<2
Short Circuit Current Capacity [%]	>300

Equipment features	
Soundproofed hood - extra quiet	
Engine according to Emissions Stage V	
Manual/Automatic instrument panel in IP 54	
Base frame with continuous fork-lift plates and ram protection	
Galvanised hood for increased corrosion protection	
Large tank for long running times	
Outlet for external refuelling incl. a three-way fuel tap	
Liquid collecting tray to protect the environment	
Prepared for coolant pre-heating as standard	
Main battery switch	
Manual oil scavenger pump	
Remote start connection	
Diesel filter with water trap	
Connection for a 230 V / 16 A battery charge	
Hot engine parts protection	
Document bag	

Special equipment - not retrofittable	Order No.
Socket combination 2 with RCD Type B (incl. terminal board)	342 724
Socket combination 3 with RCD Type B (terminal board will be removed / incl. Insulation monitoring)	342 036
Insulation monitoring	163 076
→ E-RMA SIM remote monitoring	342 220
→ E-RMA LAN remote monitoring	342 221
Lastwiderstand / Dummy-Load	auf Anfrage
Special colour	auf Anfrage

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Accessories	Order No.
Chassis ST rigid	351 110
Chassis HV height adjustable	351 111
Load transfer switch / E-US 80	343 018R
Maintenance package 500 h	auf Anfrage

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