ESE 715 SW-AS

Order No. **321276**

Main features	
Emergency Standby Power (ESP) [kVA/kW]	713.7/571.0
Prime power (PRP) [kVA/kW]	647.2/517.8
Nominal voltage [V]	400/230
Frequency [Hz]	50
Nominal current 3~ (PRP) [A]	934
Power factor cos (phi)	0,8

Measures and weight	
Dimensions L x W x H [mm]	4700 x 1745 x 2533
Weight in kg ca.	5281
Fuel tank capacity [l]	650

Autonomy	
Running time @ 75% PRP [h]	6,86

Noise level	
Sound power level LWA [db(A)]	105
Sound pressure level LPA (7 m) [db(A)]	80

Installation data	
Total air flow [m³/min]	875
Exhaust gas flow @ PRP [m³/min]	99
Exhaust gas temperature	546

2025-9-12

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Motor	
Brand	Scania
Model	DC16 093A (02-54)
Emission regulation	Non Emission Certified
Nr. of cylinder and disposition	8V
Cooling system	Water-cooled
Displacement [ccm]	16400
Engine output (ESP) [kW]	614
Engine output (PRP) [kW]	558
RPM [U/min]	1500
RPM regulation	electronic
Starting system	Electric starter
Electric circuit [V]	24
Fuel	Diesel
Specific fuel consumption @ 75% PRP [g/kWh]	189
Oil capacity [L]	48
Coolant capacity [L]	92
Lube oil consumption @ PRP (max) [%]	0,2
Fuel consumption @ 75% PRP [L/h]	94,71
Fuel consumption @ 100% PRP [L/h]	130,88

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'.

laboratorio-olosuhteissa tehdyssä kiinteässä testisyklissä, eikä se ole tae yksittäisen moottorin suorituskyvystä".

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Generator	
Brand	Mecc Alte ECO40 3L4 C
Alternator type	ECO40 3L4 C
Insulation class	H
Protection Class [IP]	23
Poles	4
Frequency [Hz]	50
Voltage tolerance [%]	0,5
Power factor cos (phi)	0,8
Efficiency @ 100% load [%]	95

Equipment features
Automatic control panel with digital control
Problem-free use, also in winter through use of a standard engine and coolant prewarming
Electronic Engine Governer
Terminal board
Manual oil scavenger pump
Liquid collecting tray to protect the environment

Special equipment - not retrofittable	Order No.
Crane loading lug	auf Anfrage
Winding Total Protection	auf Anfrage
Metal Fuel tank 2300l (incl. liquid collection tray)	auf Anfrage
Metal Fuel tank 4500l (incl. liquid collection tray)	auf Anfrage
Automatic fuel pump	auf Anfrage
Extra Silent Enclosure	auf Anfrage
Galvanized base frame with integrated forklift pockets	auf Anfrage
Exhaust Spark Arrestor	auf Anfrage
➔ E-RMA SIM remote monitoring	342 228
➔ E-RMA LAN remote monitoring	342 229

Accessories	Order No.
Load transfer switch / E-US 1250	**343 029**

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