ENDRESS®

Power Generators

# ESE 145 JW/RS

**Order No.** **333279**

| Main features | |
|---|---|
| Max. Output [LTP] [kVA/kw] | 140,0/112,0 |
| Continuous power (PRP) [kVA/kW] | 128.0/102.4 |
| Nominal voltage [V] | 400/230 |
| Frequency [Hz] | 50 |
| Nominal current 3~ (PRP) [A] | 184,8 |
| Power factor cos (phi) | 0,8 |
| Main circuit breaker [Pole] | 4 |
| Shockproof sockets | CEE 400V / 63A<br>CEE 400V / 32A<br>CEE 400V / 16A<br>CEE 230V / 16A<br>230V / 16A shockproof socket<br>Klemmleiste |

| Measures and weight | |
|---|---|
| Dimensions L x W x H [mm] | 3370x 1090 x 1995 |
| Weight in kg ca. | 2188 |
| Fuel tank capacity [l] | 650 |

| Autonomy | |
|---|---|
| Running time @ 75% PRP [h] | 27,8 |

| Noise level | |
|---|---|
| Sound power level LWA [db(A)] | 93 |
| Sound pressure level LPA (7 m) [db(A)] | 68 |

| Installation data | |
|---|---|
| Exhaust gas flow @ LTP [m³/min] | 22,2 |
| Exhaust gas temperature @ LTP [°C] | 529 |
| Maximum back pressure [kPa] | 7,5 |



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| Motor | |
|---|---|
| Brand | John Deere |
| Model | 4045HFG82-C15 |
| Emission regulation | 3A |
| Nr. of cylinder and disposition | 4L |
| Cooling system | Water-cooled |
| Displacement [ccm] | 4500 |
| Bore x Stroke [mm] | 106 x 127 |
| Mean piston speed [m/s] | 6,35 |
| Compression rate | 19,0:1 |
| Engine output (PRP) [kW] | 112,0 |
| Engine output (LTP) [kW] | 123,0 |
| CO2 emissions [g / kWh] | k.A. (Stage III) |
| CO2 test procedure | k.A. (Stage III) |
| RPM [U/min] | 1500 |
| RPM regulation | electronic |
| Starting system | Electric starter |
| Electric circuit [V] | 12 |
| Battery [Ah] | 100 |
| > recommended cold cranking amps(without load / with load) [CC/ | 920 |
| Fuel | Diesel |
| Specific fuel consumption @ 75% PRP [g/kWh] | 236,9 |
| Oil capacity [L] | 14,7 |
| Coolant capacity [L] | 8,5 |
| Starting engine capability [kW] | 2,5 |
| Fuel consumption @ 75% PRP [L/h] | 23,4 |

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.

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'.

garantía alguna ni implícita ni expresa del rendimiento de un motor concreto.





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| Generator | |
|---|---|
| Brand | MeccAlte |
| Alternator type | synchronous |
| Model | ECP34-1L/4A |
| Insulation class | class H |
| Voltage regulation | electrical |
| Protection Class [IP] | 23 |
| Poles | 4 |
| Frequency [Hz] | 50 |
| Frequency tolerance [%] | ±1 |
| Voltage tolerance [%] | 1 |
| Power factor cos (phi) | 0,8 |
| Efficiency @ 75% load [%] | 93,4 |
| Standard AVR | DSR |
| THD full load LL/LN [%] | 1,7/1,9 |
| THD no load LL/LN [%] | 2,3/2,5 |
| THF [%] | <2 |
| Short Circuit Current Capacity [%] | >300 |

| Equipment features |
|---|
| Soundproofed hood - extra quiet |
| Engine according to Emissions Stage 3A |
| 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 |
| Problem-free use, also in winter through use of a standard engine and coolant prewarming |
| Prepared for access to the aggregate via smartphone, PC & tablet |
| The main battery switch |
| Manual oil scavenger pump |
| Remote start connection |
| Diesel filter with water trap |

| Special equipment - not retrofittable | Order No. |
|---|---|
| Insulation monitoring | 163 076 |
| Potential-free contact | 342 030 |
| Twilight switch | 342 032 |
| Powerlock connector | 342 034 |
| Remote control panel | E135 961 |
| Universal current sensitive FI circuit breaker Type B | 342 037 |
| 1x 125 A socket | 342 709 |





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| Accessories | Order No. |
|---|---|
| Chassis ST rigid | **341 135** |
| Chassis HV height adjustable | **341 136** |
| Float switch (start/stop) 10m | 342 033 |
| Load transfer switch | **343 022R** |
| E-RMA SIM | **342 220** |
| E-RMA LAN | **342 221** |
| E-RMA Websupervisor annual fee | **342 222** |
| Maintenance package 500 h | auf Anfrage |





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