



HPW

PERKINS

HPW-805 T5

Powered by:
PERKINS 4006-23 TAG 3A

801 kVA at 50 Hz



| Generating Set Performance | | 50 Hz | |
|----------------------------|--------|-----------------------|----------------|
| SERVICE | | P.R.P. (1) | Standby (2) |
| Rated output | kVA | 801 | 860 |
| Active power output * | kW | 641 | 688 |
| Rated speed | r.p.m. | 1.500 | |
| Standard Voltage | V | 400 / 230 | |
| Voltage available | V | 380 / 220 - 415 / 240 | |

Performance data refers to Standard Reference Conditions of ISO 8528 : + 25 °C , 100 m ALT, relative humidity 30 %

During running-in period the output increases by approx. 5 % which is taken into consideration at delivery.

Power reduction acc. to DIN ISO 3046. Standard values: Above 100 m ALT approx. 1 % per 100 m. Above 25 °C (77 °F) approx. 4 % per 10 °C (50 °F).

* Considering cos phi= 0,8

| Prime Mover Performance | | 1.500 r.p.m. | |
|---|-------|------------------------------------|----------------|
| SERVICE | | P.R.P. (1) | Standby (2) |
| Rated output | kW | 683 | 764 |
| Manufacturer | | PERKINS | |
| Engine model | | 4006 23TAG3A | |
| 4 stroke Diesel Engine - Injection type | | DIRECT | |
| Aspiration type | | TURBOCHARGED AND AIR TO AIR COOLED | |
| Cylinders, number and arrangement | | 6 - L | |
| Bore x stroke | mm | 160 x 190 | |
| Total displacement | L | 22,92 | |
| Cooling system | | WATER | |
| Lube oil specifications | | API CG4 - SAE 15 W 40 | |
| Compression ratio | | 13,6 : 1 | |
| Specific fuel consumption (P.R.P) | L / h | 175 | |
| Specific oil consumption (at full load) | % | 0,25 | |
| Lube oil maximum capacity | L | 113,4 | |
| Total coolant capacity | L | 105 | |
| Speed governor | Type | Electronic | |
| Air filter | Type | DRY | |

(1) Prime Power (P.R.P.) - ISO 8528: prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during a 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

(2) Max Stand-by power (ISO 3046 Fuel Stop power): power available for use at variable loads for limited annual time (500h), within the following limits of maximum operating time: 100% loads 25 h per year - 90% loads 200 h per year No overload available. Applicable in case of failure of the main in areas of reliable electrical network.

| Synchronous Generator * | | |
|-----------------------------------|-------|--|
| Poles | Nº | 4 |
| Winding connections (standard) | | Star - serie |
| Frame mounting | | SAE 0 - 18" |
| Insulation | class | H |
| Enclosure (according to IEC-34-5) | | IP 23 |
| Exciter system | | Self-regulating Brushless |
| Voltage regulator | | A.V.R + PMG(Electronic) |
| Steady voltage precision | | within $\pm 1,5\%$ from no load to full loading with $\cos\phi=0,8\pm 1$ |

*Alternator used by HIMOINSA Gensets meet the requirements of following Standard: BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2-100, AS1359.



| Generating Set Installation Data | | 1.500 r.p.m. |
|---|---------------------|--------------|
| EXHAUST SYSTEM | | |
| Max. exhaust temperature at full load | ° C | 500 |
| | ° F | 932 |
| Exhaust gas flow | kg/h | 4.939,2 |
| Maximum allowed back pressure | mm H ₂ O | 610 |
| AIR REQUIREMENT | | |
| Air requirement for combustion at 100% load / rated speed | m ³ /h | 4.140 |
| | ft ³ /h | 146.199,96 |
| ELECTRIC STARTING SYSTEM | | |
| Starting motor output | kW | 7,5 |
| | CV | 10,2 |
| Minimum recommended battery capacity | Ah | 2 x 143 |
| Auxiliary voltage | Vcc. | 24V |
| LIQUID CAPACITY | | |
| Lube oil system including sump, filters, etc. | L | 115,4 |
| FUEL TANK CAPACITY | | |
| Open Skid Genset | L | 999 |
| Soundproofed | L | 999 |

| Generating Set transport data | | |
|---|----------------------------------|------------------|
| WEIGHT AND DIMENSIONS OPEN SKID GENSET | | |
| Length | m - ft | - |
| Width | m - ft | - |
| Height | m - ft | - |
| Shipping volume seaworthy (Standard supplier) | m ³ - ft ³ | - |
| Dry weight (with standard accessories) | kg - lb | - |
| WEIGHT AND DIMENSIONS SOUNDPROOFED CONTAINER 20' | | |
| Length | m - ft | 6,06 - 19,8 |
| Width | m - ft | 2,44 - 7,99 |
| Height | m - ft | 2,59 - 8,49 |
| Shipping volume seaworthy (Standard supplier) | m ³ - ft ³ | 38,29 - 1.343,13 |
| Dry weight (with standard accessories) | kg - lb | - |
| Sound level at 7m | dB(A) | - |

* Weights and dimensions approximate. To consult in factory.

Local distributor



Factory: Ctra. Murcia - San Javier, Km. 23,6 30730
SAN JAVIER (Murcia) España

Tel.+34 968 19 11 28 Fax +34 968 19 12 17 Export Fax +34968 19 04 20
info@himoinsa.com www.himoinsa.com