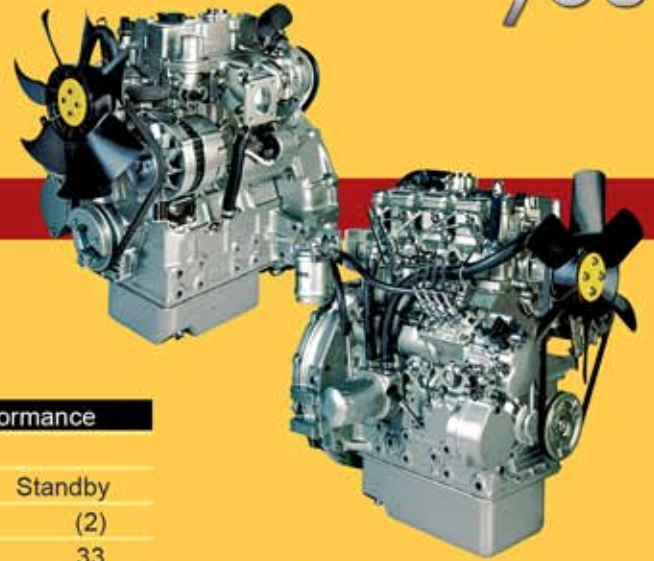


Model: PD30P  Perkins®  LEROY SOMER

Powered By: PERKINS 1103A-33G, 30 Kva @ 50Hz



1100 Series 3 Cylinder

| | | Generator Set Performance | |
|-------------------------------|-------|---------------------------------------|----------------|
| | | 30 KVA | |
| | | P.R.P (1) | Standby (2) |
| Rated Output | KVA | 30 | 33 |
| Active Power Output @ phi=0.8 | KW | 24 | 26.4 |
| Rated Speed | r.p.m | 1500 | |
| Standard Voltage | V | 400/230 | |
| Voltage available | V | 380/220 - 415/240 - 440/254 - 230/132 | |
| Phases | | 3 | |
| Frequency | | 50 Hz | |
| Circuit Breaker | A | 50 | |

(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 purpose only.

(2) Max-Standby Power - ISO 3046: Power available for use at variable loads for limited annual time (500hr), within the following limits of maximum operating time: 100% loads 25hr per year - 80% loads 200hr per year NO overload available. Applicable in case of failure of the main in areas of reliable electrical network. Power reduction according to DIN ISO 3046. Standard values: Above 100m altitude approx 1% per 100m. Above 25°C (77° F) approx. 4% per 10°C (50° F).

Engine Specification

| | | |
|--|------|-----------------------------|
| Rated Output | | |
| Manufacturer | | Perkins |
| Engine Model | | 1103A-33G |
| 4 Stroke Diesel Engine - Combustion System | | Direct Injection |
| Aspire Type | | Naturally |
| "Cylinders, number and disposition" | | 3 - inline |
| Bore x Stroke | mm | 105 x 127 |
| Total Displacement | L | 3.3 |
| Cooling System | | Water |
| Lube Oil Specification | | 15W40 to ACEA E3 or API CH4 |
| Compression Ratio | | 19.25:1 |
| Fuel Consumption (at 100% load) | L/Hr | 7.1 |
| Specific Oil Consumption (at full load) | L | 0.15 |
| Lube oil Capacity | L | 7.9 |
| Total Coolant Capacity | L | 10.3 |
| Speed Governor | Type | Mechanical |
| Electric Circuit Voltage | V | 12V |
| Starting System | | Electric |
| Engine Derating | | 1.0 |
| Cooling Fan | Type | Mechanical |
| Air Filter | Type | Dry |

The above performance data are valid as per the following spec:
 - Diesel Fuel is according to BS2869 Class A2 or equivalent
 - The coolant should be 50% antifreeze and 50% fresh water



| Synchronous Generator* | | |
|-----------------------------------|-------|---|
| Poles | No.s | 4 |
| Terminals | No.s | 12 |
| Revolution Speed | | 1500 rpm |
| Insulation | Class | H |
| Enclosure (according to IEC-34-5) | | IP23 |
| Maximum Admitted Overload | | 10% for 1 hour every 12 hours of running |
| Alternator Derating | | 1.0 |
| Voltage Regulation | | AVR (Electronic) |
| Steady Voltage Precision | | within±1.5% from no load to full loading with cos 0.8 |

*Alternator used by PHOENIX Gensets meet the standard requirements.

| Generator Set Options and Accessories | | |
|---------------------------------------|----------------------------|--|
| Engine | Alternator | Generator Set |
| Lub oil heater | Anti-condensation heater | Battery charger |
| Water jacket heater | PMG excitation | Enclosure: aluminum, steel or weather protective |
| Electronic governor | Single phase | Export box packing |
| | | Synchronizing panel |
| Fuel System | Cooling System | Main line circuit breaker |
| 12 hours dual wall sub-base tank | 50C (122F) ambient cooling | AMF panel |
| 24 hours dual wall sub-base tank | Remote radiator cooling | Digital panel |
| Single wall sub-base tank | | Automatic transfer switches |
| External fuel tank | | Extended warranty up to 5 years |



| Generating Set Transport Data | | |
|--|---------|-------------|
| Length | m - ft | 1.36 - 4.46 |
| Width | m - ft | 0.60 - 1.97 |
| Height | m - ft | 1.20 - 3.90 |
| Dry Weight (With Standard Accessories) | kg - lb | 760 - 1672 |

Weight And Dimensions OPEN GENSET