



# XP48-60

|                                    |                       |                                  |                       |
|------------------------------------|-----------------------|----------------------------------|-----------------------|
| <b>Genset <i>Standby Model</i></b> | <b>XP 52S</b>         | <b>Genset <i>Prime Model</i></b> | <b>XP 48</b>          |
| <b>Standby Output</b>              | <b>52 KW / 65 KVA</b> | <b>Prime Output</b>              | <b>48 KW / 60 KVA</b> |

## RATING DEFINITIONS

### Prime Power Model XP with no Suffix

Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO 8528-1. A 10% overload capability is available for a period of 1 hour within 12-hour period of operation, in accordance with ISO 3046-1 and BS5514.

| Alternator Model: SLG224E  |                                                           | Dimensions and masses |           |             |
|----------------------------|-----------------------------------------------------------|-----------------------|-----------|-------------|
| <b>Prime Output</b>        | 48 KW / 60 KVA                                            | <b>Length</b>         | <b>mm</b> | <b>2130</b> |
| <b>Power Efficiency</b>    | 88.6%                                                     | <b>Width</b>          | <b>mm</b> | <b>710</b>  |
| <b>Voltage Regulation</b>  | ±1.0% with 4% engine governing                            | <b>Height</b>         | <b>mm</b> | <b>1460</b> |
| <b>Waveform Distortion</b> | No load <1,5% and non-distorting balanced linear load <5% | <b>Net Mass</b>       | <b>kg</b> | <b>1100</b> |
| <b>THF/TIF</b>             | <2%/<50                                                   |                       |           |             |

## Technical Data

### Diesel Engine Model: Perkins 1004TG

|                         |                                                                                             |                             |                                                   |
|-------------------------|---------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------|
| Engine Characteristics  | Water-cooled, in line, 4 cylinders, 4 stroke, direct injection, wet cylinder liner 1500 rpm | Exhaust Temperature °C      | 561                                               |
| Prime Output (KW)       | 65.7                                                                                        | Exhaust Back Pressure       | 6 KPA                                             |
| Standby Output (KW)     | 72.3                                                                                        | Air Induction System        | Dry element type back pressure warning indication |
| Aspiration              | Turbo charged                                                                               | Lube Temperature / Capacity | 125°C/8.1 Litre (maximum)                         |
| Bore (mm) x Stroke (mm) | 100 x 127                                                                                   | BMEP: kPA (Prime Power)     | 1369                                              |
| Cubic Capacity (litres) | 3.99                                                                                        | Heat Rejection to Exhaust   | 53.4 kW/min                                       |
| Piston Speed (m/s)      | 6.35                                                                                        | Heat Rejection to Cooling   | 43 kW/min                                         |
| Compression Ratio       | 16.0:01                                                                                     | Cooling System Volume       | 22.2 Litre                                        |
| Stability Band Width    | ≤± 0.8%                                                                                     | Cooling Air Flow            | 100m³/min                                         |
| Steady Governing Rate   | ≤ 5%                                                                                        | Combustion Air Flow         | 4.52m³ / min                                      |
| Acoustic Pressure       | ≤ 91.2 (dBA at full load, 1m distance)                                                      | Exhaust Gas Flow            | 13.1m³/min                                        |
|                         |                                                                                             | Minimum Fuel Consumption    | ≤208g/kWh                                         |