

Genset  
Model:

## YXP900RSC & RS

X-Series

Enclosed set



Open Set



*\*\* The images are for illustration purposes only.*

| Frequency | Phase | Power Factor | Prime Output     | Standby          |
|-----------|-------|--------------|------------------|------------------|
| 50Hz      | 3     | 0.8          | 900 kVA / 720 kW | 990 kVA / 792 kW |

### Ratings

- Prime output: This rating is applicable for supplying continuous electrical power at variable load. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.
- Standby output: This rating is applicable for supplying electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings.
- Standard reference conditions: 25°C, 100m A.S.L., 30% relative humidity.

### Design Features

- High quality assembly, providing stiffness and low vibration.
- Powder coated steel. Corrosion and scratch resistant.
- Compact and long service life.
- Wiring and connectors with double protection.
- Protection guards in radiator and high voltage parts.
- Full 12 month YorPower warranty.

### Design Standards

- CE marking
- ISO8528.5
- GB/T2820.5
- ISO 9001

### Configuration

- 4-Stroke water-cooled diesel engine.
- Industrial silencer.
- Single bearing, 4 pole brushless alternator.
- Anti vibration mountings.
- Integral fuel tank with fully bunded base protection. (**enclosed unit only**).
- Fuel level sensor (**enclosed set only**).
- Auto start control system with electronic digital control module DSE7420.
- Output circuit breaker.
- Emergency stop button.
- High engine temperature and low oil pressure shutdown system.
- 24V starter battery with leads and switch.

### Acoustic canopy features

- Water and dust proof design.
- Door locks.
- High quality sound absorbing and fire retardant inner material.
- Lifting lugs.

Unit 2, Hurricane Close, Sherburn in Elmet, Leeds, LS25 6PB, United Kingdom  
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**[www.yorpower.com](http://www.yorpower.com)**

## Engine data

|                   |   |                                |            |
|-------------------|---|--------------------------------|------------|
| Engine brand      | Perkins                                   | Total coolant capacity         | 143 Litres |
| Engine model      | 4008TAG1A                                 | Total lube oil capacity        | 153 Litres |
| Engine speed      | 1500 RPM                                  | Bore                           | 160 mm     |
| Cylinders         | 8   | Stroke                         | 190 mm     |
| Aspiration        | Turbocharged and air-to-air charge cooled | Compression ratio              | 13.6 : 1   |
| Combustion system | Direct injection                          | Fuel cons. @ 110% standby load | 218 l/hr   |
| Displacement      | 30.561 Litres                             | Fuel cons. @ 100% Prime load   | 195 l/hr   |
| Governor type     | Electronic                                | Fuel cons. @ 75% Prime load    | 143 l/hr   |
| Cooling System    | Water-cooled                              | Fuel cons. @ 50% Prime load    | 98 l/hr    |

## Alternator data

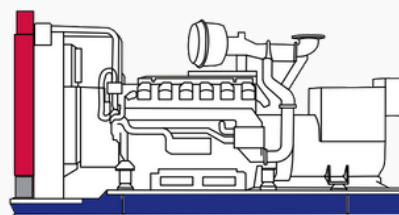
|                       |             |                    |        |
|-----------------------|-------------|--------------------|--------|
| Alternator brand      | Leroy Somer | Winding pitch      | 2/3    |
| Alternator model      | TAL049-D    | Number of wires    | 6      |
| Excitation            | SHUNT       | AVR                | R150   |
| Insulation class      | H           | Voltage regulation | ± 0.8% |
| Drip proof protection | IP23        | Power Factor       | 0.8    |

## Enclosed set data



| L X W x H (mm)     | Weight   | Fuel tank   | Noise@7M |
|--------------------|----------|-------------|----------|
| 6058 x 2438 x 2728 | 10872 kg | 1150 Litres | 79.2 dBA |

## Open set data



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| L X W x H (mm)     | Weight  | Fuel tank | Noise@7M |
|--------------------|---------|-----------|----------|
| 5119 x 2134 x 2435 | 6565 kg | N/A       | N/A      |

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