

Genset Data Sheet 1

| | Prime | Standby |
|----------------|-----------------------|-----------------------|
| Genset model | AJ175P | AJ175S |
| 380-415V, 50Hz | 160.0 kVA 128.0 kW | 175.0 kVA 140.0 kW |
| 440-480V, 60Hz | 181.2 kVA 145.0 kW | 200.0 kVA 160.0 kW |

Ratings at 0.8 pf

Prime

This rating is for the supply of continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation on the annual hours of operation and 10% overload power can be supplied for one hour in twelve hours.

Standby

This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

| | | | |
|--|----------------------------|--------------|--------------|
| Engine model | SisuDiesel | 620 DSRAG | |
| Number of cylinders | | 6 in-line | |
| Cubic capacity | litre (cu inch) | 6.60 (402.8) | |
| Aspiration | | Turbocharged | |
| Alternator | Newage | Stamford | |
| Frequency | Hz | 50 | 60 |
| Engine speed | rpm | 1,500 | 1,800 |
| Fuel tank capacity | litre (USgal) | 400 (105) | 400 (105) |
| Fuel consumption at full rating: | | | |
| Prime | litre /h (USgal /h) | 35.6 (9.4) | 40.6 (10.7) |
| Standby | litre /h (USgal /h) | 39.4 (10.4) | 44.7 (11.8) |
| Heat rejection to exhaust system (max) | kW (BTU /min) | 138 (7,861) | 158 (9,017) |
| Heat rejection to cooling system (max) | kW (BTU /min) | 84.0 (4,780) | 95.0 (5,425) |
| Total radiated heat (max) | kW (BTU /min) | 16.0 (910) | 18.0 (1,035) |
| Exhaust temperature (max) | deg C (deg F) | 560 (1,040) | 525 (977) |
| Radiator cooling air flow | cu m /min (cfm) | 240 (8,475) | 415 (14,645) |
| with max restriction | mm (inch) H ₂ O | 20.0 (0.80) | 20.0 (0.80) |
| Combustion air flow (max) | cu m /min (cfm) | 9.4 (332) | 12.1 (427) |
| Exhaust gas flow (max) | cu m /min (cfm) | 27.6 (975) | 34.0 (1,200) |
| with max allowable back pressure | mm (inch) H ₂ O | 800 (31.5) | 800 (31.5) |

Note: Standard reference conditions: 25deg C (77deg F) air inlet temperature, 152.4m (500feet) above sea level, 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load for diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, class A2.

Genset photograph may include optional extras



Diesel Compact Three phase AJ175

Genset Data Sheet 2

Genset model AJ175



Dimensions:

| | | |
|---|-----------|----------------|
| Length (A) | mm (inch) | 2,500 (98.4) |
| Width (B) | mm (inch) | 1,000 (39.4) |
| Height (C) | mm (inch) | 1,735 (68.3) |
| Total height of exhaust rain cap (D) | mm (inch) | Not applicable |
| Max horizontal projection of end door (E) | mm (inch) | Not applicable |
| Max horizontal projection of doors at each side (F) | mm (inch) | Not applicable |

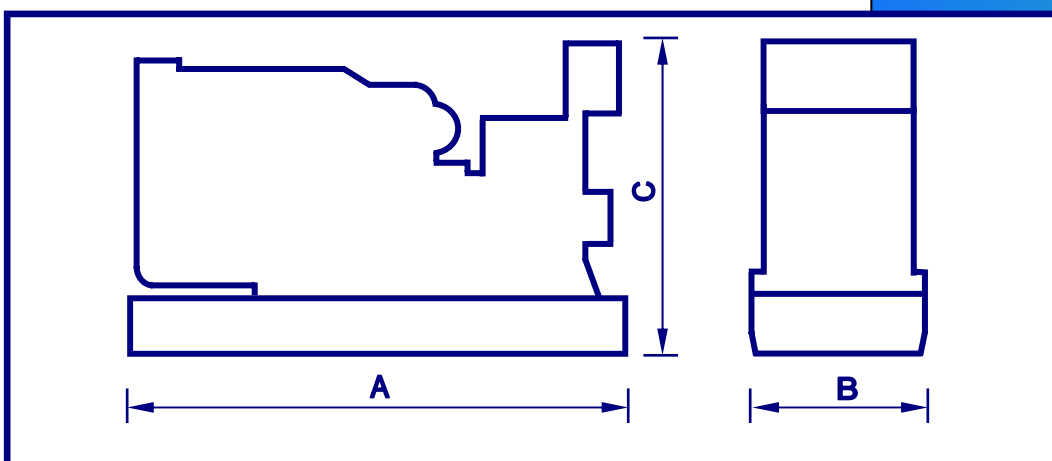
Weights:

| | | |
|--|---------|---------------|
| Dry weight (with lube oil) | kg (lb) | 2,275 (5,015) |
| Wet weight (with lube oil and coolant) | kg (lb) | 2,305 (5,082) |

Sound pressure levels:

| | | 50Hz 1500rpm | 60Hz 1800rpm |
|----------------|-------|-----------------|-----------------|
| 15m, 75% load | dB(A) | TBA | TBA |
| 15m, 100% load | dB(A) | TBA | TBA |
| 7m, 75% load | dB(A) | TBA | TBA |
| 7m, 100% load | dB(A) | TBA | TBA |
| 1m, 75% load | dB(A) | TBA | TBA |
| 1m, 100% load | dB(A) | TBA | TBA |

**Diesel
Compact
Three phase
AJ175**



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In line with our policy of continuous development, we reserve the right to change specification without notice

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