

ATS 90 SD

Advanced Technical Solutions



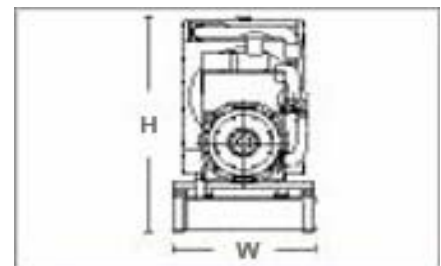
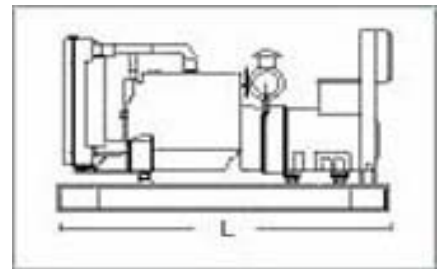
Diesel Generator Set (50Hz, 400V)

Power Output Ratings

| | | 50Hz / 400V |
|---------------|-----|-------------|
| Standby Power | kVA | 88 |
| | kW | 70 |
| Prime Power | kVA | 80 |
| | kW | 63 |

Engine

| | | | |
|--------------------------------|-------------------------|-----------|------|
| Manufacturer | SDEC Cummins Technology | | |
| Model | SC5D108D | | |
| No of Cylinder / Configuration | 4 in Line | | |
| Displacement | Liter | 5,3 | |
| Bore / Stroke | mm | 114 / 130 | |
| Compression Ratio | 17,3:1 | | |
| Governor Type | Electronic | | |
| Aspiration | Turbo Charger | | |
| Cooling System | Water | | |
| Coolant Capacity | Liter | 29 | |
| Lubrication Oil Capacity | Liter | 17,5 | |
| Electrical System | V/DC | 24 | |
| Speed / Frequency | 1/min /Hz | 1500 / 50 | |
| Engine Gross Power | kWm | 80 | |
| Fuel Consumption | Liter / h | 110% | 13,5 |
| | | 100% | 12,5 |
| | | 75% | 11 |
| | | 50% | 9,5 |
| Exhaust Outlet Temperature | C° | 600 | |
| Exhaust Gas Flow | m³/min | 21 | |
| Combustion Air Flow | m³/min | 7 | |
| Cooling Air Flow | m³/min | 130 | |



Alternator

| | | |
|------------------------|----------------|-----------|
| Manufacturer | MEGATON, China | |
| Model | MWL34528EA1 | |
| No of Phase | 3 | |
| Power Factor | 0,8 | |
| No of Bearing | 1 | |
| No of Pole | 4 | |
| No of Leads | 12 | |
| Voltage Output | ±%0,5 | |
| Insulation Class | H | |
| Protection Class | IP 22 | |
| Excitation System | AVR, Brushless | |
| Connection Type | Star | |
| Total Harmonic Content | <%4 | |
| Frequency | Hz | 50 |
| Voltage Output | V/AC | 230 / 400 |
| Rated Power | kVA | 88 |
| Efficiency | % | 87,4 |

Dimensions

| | W x L x H (mm) | Weight (kg) | Fuel Tank (Liter) | Noise (7m) |
|----------------|--------------------|-------------|-------------------|------------|
| with Canopy | 1037 x 3265 x 1700 | 2100 | 168 | 73dB(A) |
| without Canopy | 750 x 2400 x 1620 | 1595 | 144 | 94dB(A) |

Technical Changes Reserved