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Via Carlo Pittara 46 - 10151 Torino (TO) - Italy
PIVA 09031950018 - Num. REA: 1020262
SDI 5RUO82D Cap. Soc. € 20.000 I.V

CUMMINS C38 D5 THREE-PHASED DIESEL POWER GENERATOR 35KVA SILENCED

Reference: C38 D5

CUMMINS C38 D5 Control system

Generator set control PowerStart 600

The PowerStart contol is a microprocessor-based generator set monitoring and control system. The control provides a simple operator interface to the generator set, auto/ manual and remote start/stop control and shutdown fault indication. The integration of all control functions into a single control provides enhanced reliability and performance compared to conventional generator set control systems. This control has been designed and tested to meet the harsh environment in which gensets are typically applied.

• The PowerStart generator set control is suitable for use on a wide range of generator sets in nonparalleling applications. It is suitable for use with reconnectable or non-reconnectable generators, can be configured for either 50 Hz or 60 Hz and voltage and power connection from 190-600 VAC line-to-line.

• This control includes an intuitive operator interface that allows for complete genset control as well as system metering, fault annunciation, maintenance alarm, over imbalance current, configuration and diagnostics. The interface includes seven generator set status LED lamps with both internationally accepted symbols and English text to comply with customer needs. The interface also includes an LED backlit LCD display with tactile-feel softswitches for easy operation and screen navigation. The manual/auto/stop switch function is integrated into the interface panel.

• All data on the control can be viewed by scrolling through screens with the navigation keys. The control displays the current active fault and a timeordered history of the five previous faults.

• Power for this control is derived from the generator set starting batteries and functions over a voltage range from 8VDC to 16 VDC.

Technical Sheet

Phase	Single phase / Three phase
Maximum power three phase (KW)	30.4
Continuous power three phase (KW)	28
Maximum power three phase (KVA)	38
Continuous power three phase (KVA)	35
Fuel	Diesel
Frequency (Hz)	50

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Voltage (V)	230 / 400
Sockets configuration	Terminal box
Engine	4 stroke
Emissions Regulations	Stage 3A
Engine rpm (rpm)	1500
Speed governor	Mechanical
Starting system	Electric
Engine capacity (cm^3)	2500
Number cylinders	4
Cylinders' position	In line
Cooling	Coolant Liquid
Alternator	Synchronous, brushless
Poles	4
Bore x stroke (mm)	91.4x127
Fuel tank capacity (L)	175
Consumption (L/h)	7 to 75% of the load
Running time (h)	25 at 75% of the load
Acoustic pressure	65 dB(A) at 7 m
Length (mm)	22553
Width (mm)	969
Height (mm)	1619
Dry weight (Kg)	1162
Silenced	Yes
Super silenced	Yes
Brushes	No
Product type	Generator
Control unit	PowerStart 600
ATS Switch device	Optional ATS
Type of alternator	Constant Speed
Engine manufacturer	Cummins
Precision of voltage regulation	± 2,5%