



## POWERFULL - C 650 S



### POWERFULL "S"



For illustrative purposes only

#### ENGINE

Engine brand	CUMMINS
Engine model	VTA28-G5
Cylinders	12
Speed	1800 r.p.m.
Cubic capacity	28.00 l
Air intake	Turbocharged
Standard voltage	24 Vdc
Optional voltage	Vdc
Sae	0-18
BMEP	1448 kPa
Cooling	Water
Flywheel P.R.P. Power	574.0 kW
Flywheel Stand-by Power	637.0 kW
Fuel Cons. at 100% (L.T.P.)	173.0 l/h
Fuel Cons. at 100% (P.R.P.)	154.0 l/h
Fuel Cons. at 75% (P.R.P.)	118.0 l/h
Fuel Cons. at 50% (P.R.P.)	84.0 l/h
Fuel Cons. at 25% (P.R.P.)	50.0 l/h
Electronic regulator	Standard
Precision class	
Oil quantity	83.0 l
Engine Antifreeze capacity	80.0 l
Radiator type	Tropical
Heat from radiator	458.0 kW
Heat from exhaust	508.0 kW
Heat from radiation	105.0 kW
Exhaust temperature	502 °C
Cooling air flow	0.00 m <sup>3</sup> /min
Combustion air flow	64.60 m <sup>3</sup> /min
Exhaust gas flow	142.70 m <sup>3</sup> /min
TA Luft	Not available
TA Luft/2	Not available
EPA	Not available
Stage	Not available

#### MAIN DATA

Continuous power (PRP)	680.0 (kVA)
Continuous power (PRP)	544.0 (kW)
Stand-by power (LTP)	750.0 (kVA)
Stand-by power (LTP)	600.0 (kW)
Voltage • Frequency • Power Factor	480V • 60Hz • 0.8 cosφ
Sound pressure 7 m.	0.0 dBA

#### DIMENSIONS AND WEIGHT

Width	N/D mm
Length	N/D mm
Height	N/D mm
Weight	0 kg

#### ALTERNATOR

Alternator brand	MECC ALTE
Alternator model	ECO40-1.5L/4
P.R.P. Power	744.0 kVA
L.T.P. Power	805.0 kVA
Connection	Parallel star
Phases	3PH+N
Winding	12 terminals 800 V
Terminal Number	12 nr.
IP Protection	23
Electronic regulator	DER-1
Precision	1.0 ± %

#### BASEFRAME

Model	ST60
Standard tank	0 l
Optional tank	0 l
Oversized tank*	0 l

#### CANOPY & SILENCER

Canopy model	C60/05
Silencer model	MSR/a 150
Silencer outlet diameter	168.0 mm

Standard reference conditions temperature 25°C, altitude 100m asl, relative humidity 30%, atmospheric pressure 100 kPa (1 bar), power factor 0.8 lag, balanced load - non distortional. Fuel consumption is nominal and refers to specific weight 0,850kg/l. Sound power values refer to free field conditions: the installation site may influence the values. Dimensions, weights and other specifications contained in the technical data sheet and related attachments are nominal, subject to tolerances and refer to the model with standard equipment; any optional and additional equipment/accessories can modify weight, dimensions, performance.

**P.R.P. Prime Power-Continuous power at variable load:** The power that a genset can supply in continuous service at a variable load for an unlimited number of hours per year while respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer. according to ISO8528-1. The average power supplied over time and any applicable overload must be less than the percentages stated by the Manufacturer.

**L.T.P. Limited-time running power-Limited power:** The maximum power that a genset can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer according to ISO 8528-1. The number of hours per year is stated by the Manufacturer. Overload is not permitted.

The data contained in this document is nominal and refers to the standard equipped model and is not binding. Visa S.p.A. reserves the right to revise the information without notice per our policy of continuous product development and improvement.

