TECHNICAL DATASHEET DS 635 B



ENGINE Description

Engine model

Cylinders

RPM speed Cubic capacity

Air intake

Sae

BMEP

Cooling

Standard voltage

Optional voltage

Flywheel P.R.P. Power net

Flywheel E.P. Power net

Fuel Cons. at 100% (E.P.)

Fuel Cons. at 100% (P.R.P)

Fuel Cons. at 75% (P.R.P.)

Fuel Cons. at 50% (P.R.P.)

Fuel Cons. at 25% (P.R.P.)

Engine Antifreeze capacity

Electronic regulator

Precision class

Oil quantity

Radiator type

Stage

Heat from radiator

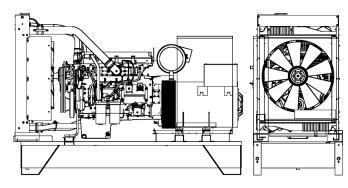
Heat from exhaust

DS 635 B





POWERFULL "B"



HYUNDAI(DOOSAN)

DP180LBF

Turbocharged

1500

18.27 L

24 Vdc

1-14

2440

Water

540.0

596.0 kW

149.5 l/h

136.4 l/h

103.8 l/h

71.2 l/h

38.6 l/h

G3

36.0 I

21.0

TR

405.0 kW

561.0 kW

Ν

Standard

Vdc

kPa

kW

MAIN DATA	
Continuous power (PRP)	640.00 kVA
Continuous power (PRP)	512.00 kW
Emergency power (E.P.)	708.00 kVA
Emergency power (E.P.)	566.40 kW
VAC - HZ - cos(fi)	415 - 50 - 0.8

DIMENSIONS AND WEIGHT

Width	1410	mm
Length	3440	mm
Height	2150	mm
Weight	4200	kg

ALTERNATOR		
Description	STAMFORD	
Alternator model	HCI5F	
P.R.P. Power	670.0	kVA
E.P. Power	738.0	kVA
Connection	Series star	
Phases	3FN	
Winding	311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS440	
Precision	1.0	± %
BASEFRAME		
Model	Т3	
Standard tank	900	1
Optional tank	0	1
Oversized tank*	0	I
CANOPY & SILENCER		
Canopy model	SENZA COFANO	
Silencer model	MS 30	

Silencer model MS 30 Silencer outlet diameter 140.0 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. **E.P. - Emergency power:** This is the maximum power that a generating set can deliver for a limited number of hours per year while complying with the maintenance frequency stipulated under the environmental conditions set by the Manufacturer. The number of hours per year is determined by the engine manufacturer. The average power output over time must be lower than the percentages set by the engine manufacturer. Overloading is not allowed.

Heat from radiation	57.0	kW	di
Exhaust temperature	E07	°C	Di

Exhaust temperature	587	°C
Portata Raffreddamento	700.0	m³/min
Combustion air flow	36.0	m³/min
Exhaust gas flow	118.0	m³/min
TA Luft	Ν	
TA Luft/2	Ν	
EPA	Ν	

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.

Visa S.p.A. s.u. is subject to management and coordination of IPG S.p.A., via dei Mercanti 12 - Milano Company registration Office n. 12616930967