VM5 CONSTRUCTION RANGE

MODEL: DS 45 SGVM

ENCLOSURE TYPE: VM5 35

ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY AND MAY SHOW OPTIONAL EQUIPMENT. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENT.

MAIN DATA

Continuous Power (PRP)	45.0 kVA
Continuous Power (PRP)	36.0 kW
Stand-by Power (LTP)	49.5 kVA
Stand-by Power (LTP)	39.6 kW
Voltage · Frequency · Power Factor	400V·50Hz·0.8cosφ
Sound pressure 7 metres (±3dBA)	62.0 dBA

DIMENSIONS AND WEIGHT

Width	980 mm
Length	2250 mm
Height	1430 mm
Weight (full fuel tank)	1400 kg

VM5 RANGE STANDARD EQUIPMENT

High-capacity Fuel Tank + Leak sensor + Tank cap with key,
Strong Forklift pockets & Central lifting hook,
Battery disconnector & Adjustable earth fault relay,
GSM module + Antenna & Visa WebSupervisor App

GENERAL DATA

ENGINE

Engine brand	DOOSAN	
Engine model	D24 STAGE V	
Cylinders	4	nr
Speed	1500	r.p.m.
Cubic capacity	2.39	l
Air intake	Turbocharged	
Standard voltage	12	Vdc
Optional voltage	-	Vdc
Sae	4-10	
BMEP	1600	kPa
Cooling	Water	
Flywheel P.R.P. Power	45.2	kW
Flywheel Stand-by Power	47.5	kW
Fuel Cons. at 100% (L.T.P.)	12.0	l/h
Fuel Cons. at 100% (P.R.P)	11.3	l/h
Fuel Cons. at 75% (P.R.P.)	8,4	l/h
Fuel Cons. at 50% (P.R.P.)	5,7	l/h
Fuel Cons. at 25% (P.R.P.)	3,2	l/h
Engine speed regulator	Electronic	
Precision class	G2	
Oil quantity	8.6	l
Engine Antifreeze capacity	9.3	l
Heat from radiator	42.7	kW
Exhaust temperature	750	°C
Emissions	STAGE V	EU

ALTERNATOR

Alternator brand	STAMFORD	
Alternator model	S1L2-N	
P.R.P. Power	45.0	kVA
L.T.P. Power	49,5	kVA
Connection	Series Star 3F+N	
Terminal Number	12	nr
IP Protection	23	
Electronic regulator	AS540	
Precision	1.0	+/-%

AUTONOMY

Fuel tank	270	l
Hours of operation at 75% of load	32	h

CONTROL PANEL

Controller Brand	COMAP
Controller Model	AMF 25 - IL4
Socket kit	1x 63A; 1x 32A; 1x 16A; 1x schuko

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.

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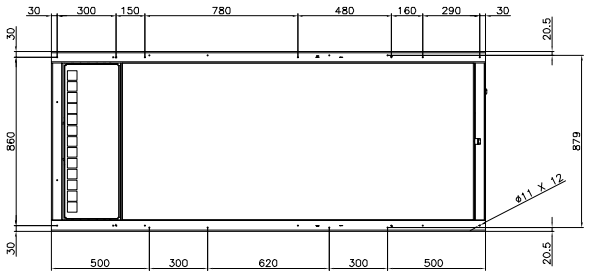
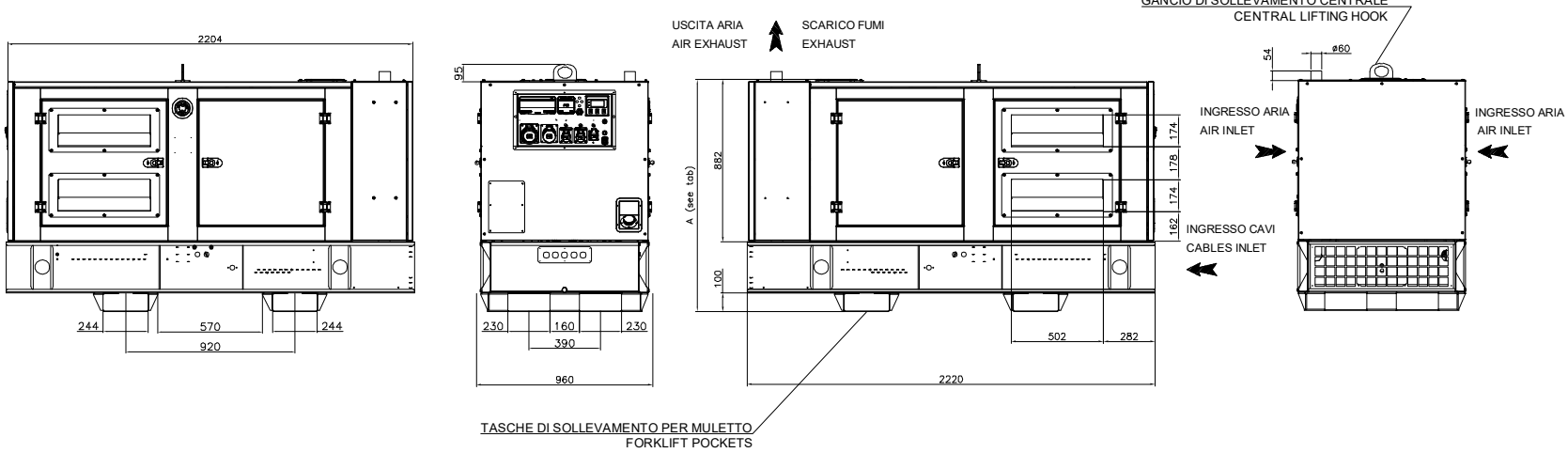
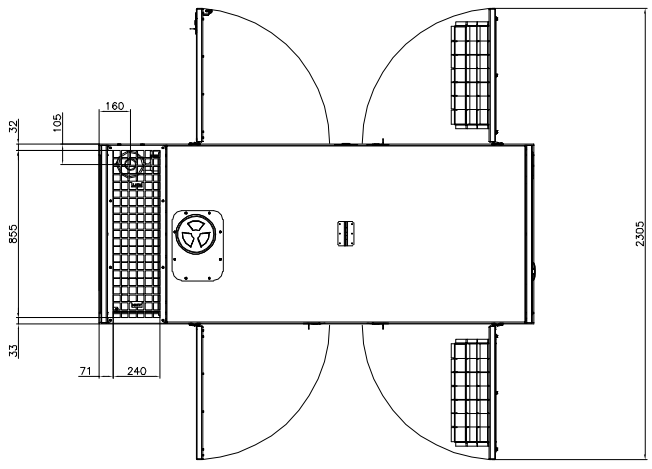


VERSION	A
100L BOUNDED TANK	1258
270L TANK	1378
270L BOUNDED TANK	1438
600L TANK	1574
600L BOUNDED TANK	1698
1000L TANK	1793





REVISIONE/ISSUE	DATA/DATE	DESCRIZIONE DELLA MODIFICA/ALTERATION DESCRIPTION:
00	04/07/2022	Prima emissione / First issue

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OGGETTO/ITEM:
G.E. DS45VM5

DESCRIZIONE/DESCRIPTION:
PIANTA E VISTE LATERALI
PLANT AND SIDE VIEWS

VERSIONI/VERSION:	MOTORE/ENGINE:	ALTERNATORE/ALTERNATOR:	TELAIO/BASEFRAME:	RADIATORE/RADIATOR:
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DISEGNO/DRAWING: N°10500000122 8–000–00

NOTE/NOTES:

DISEGNATO DA:	CONTROLLATO DA:	APPROVATO DA:	TAV./SHEET:
Mattia M.	–	–	01/01