

MULTI EVO-E P

THE EVOLUTION



CENTRIFUGAL MULTISTAGE ELECTRIC
PUMPS WITH INVERTER
STARITE.IT

Multi EVO-E

CENTRIFUGAL MULTISTAGE ELECTRIC PUMPS WITH INVERTER

The system is composed of a Multi EVO horizontal multistage electric centrifugal pump with plastic casing and a CPS electronic control system (inverter), which allows the pressure to be maintained constant in the system, reducing or increasing the electric pump motor rotation speed.

ADVANTAGES

Electric pumps in the Multi EVO-E P series offer the following advantages:

- High-level reliability - thanks to the resistant and innovative design
- Silent operation - improved user comfort thanks to its silent operation
- Compact form
- Wide range of performance levels for the residential market.
- Excellent priming capacity.



SPECIFICATIONS:

PUMP

- Hydraulic performance in compliance with ISO 9906:2012 - Grade 3B
- Type of liquid: clean water with no suspended solids or abrasive material
- Maximum liquid temperature 50°C
- Maximum operating pressure 7 bar
- Maximum recommended suction height 6m with foot valve

MOTOR

- Enclosed, air ventilated (TEFC)
- 2 poles, 50 Hz (n=2850 rpm)
- IE3 three-phase AC (P2 ≥ 0.75 kW)
- Protection class: IP55
- Insulation class: F
- Maximum room temperature 40°C
- Single phase power supply

APPLICATIONS

- Pressurization and supply
- Irrigation
- Re-utilization of rainwater
- Cleaning systems



DESIGN FEATURES

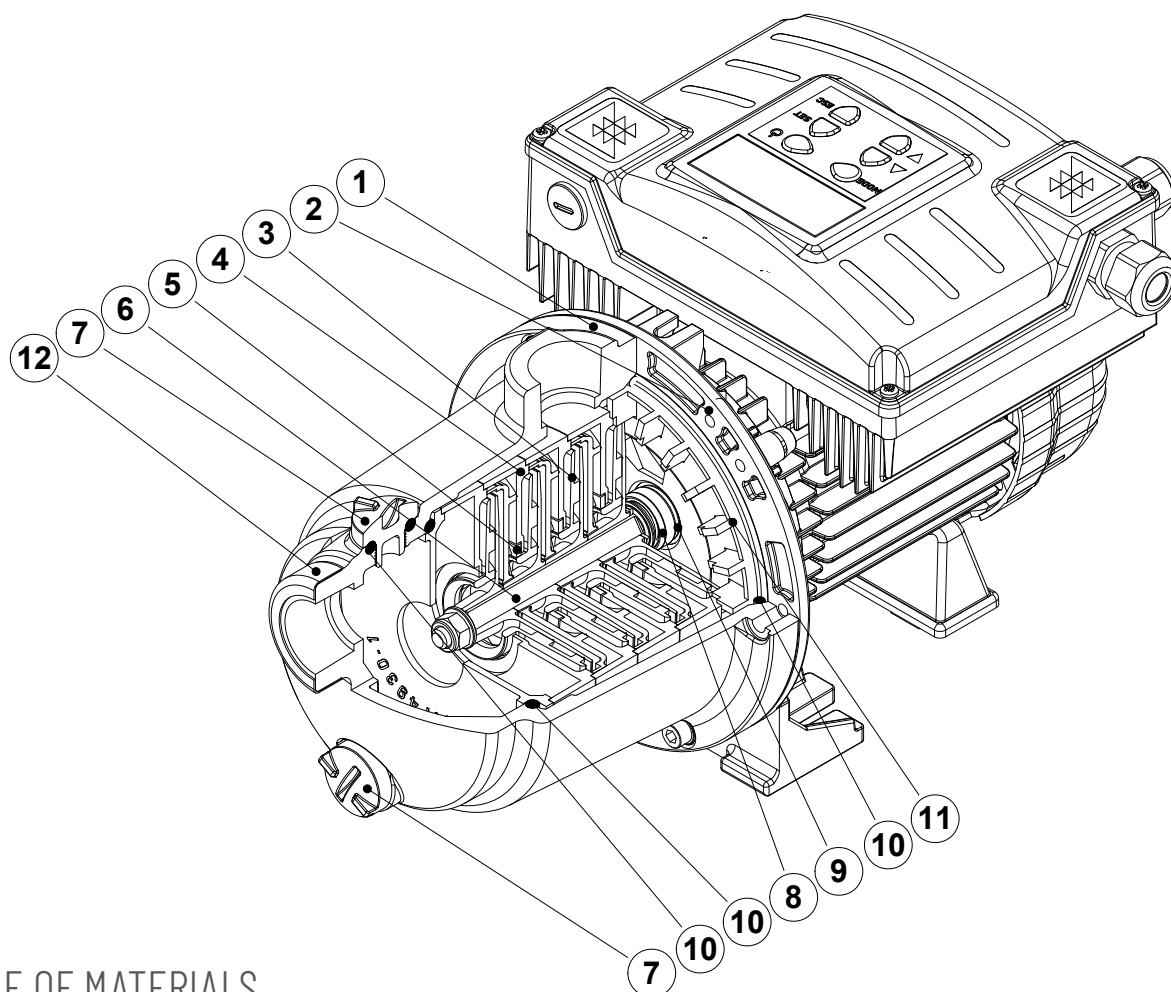
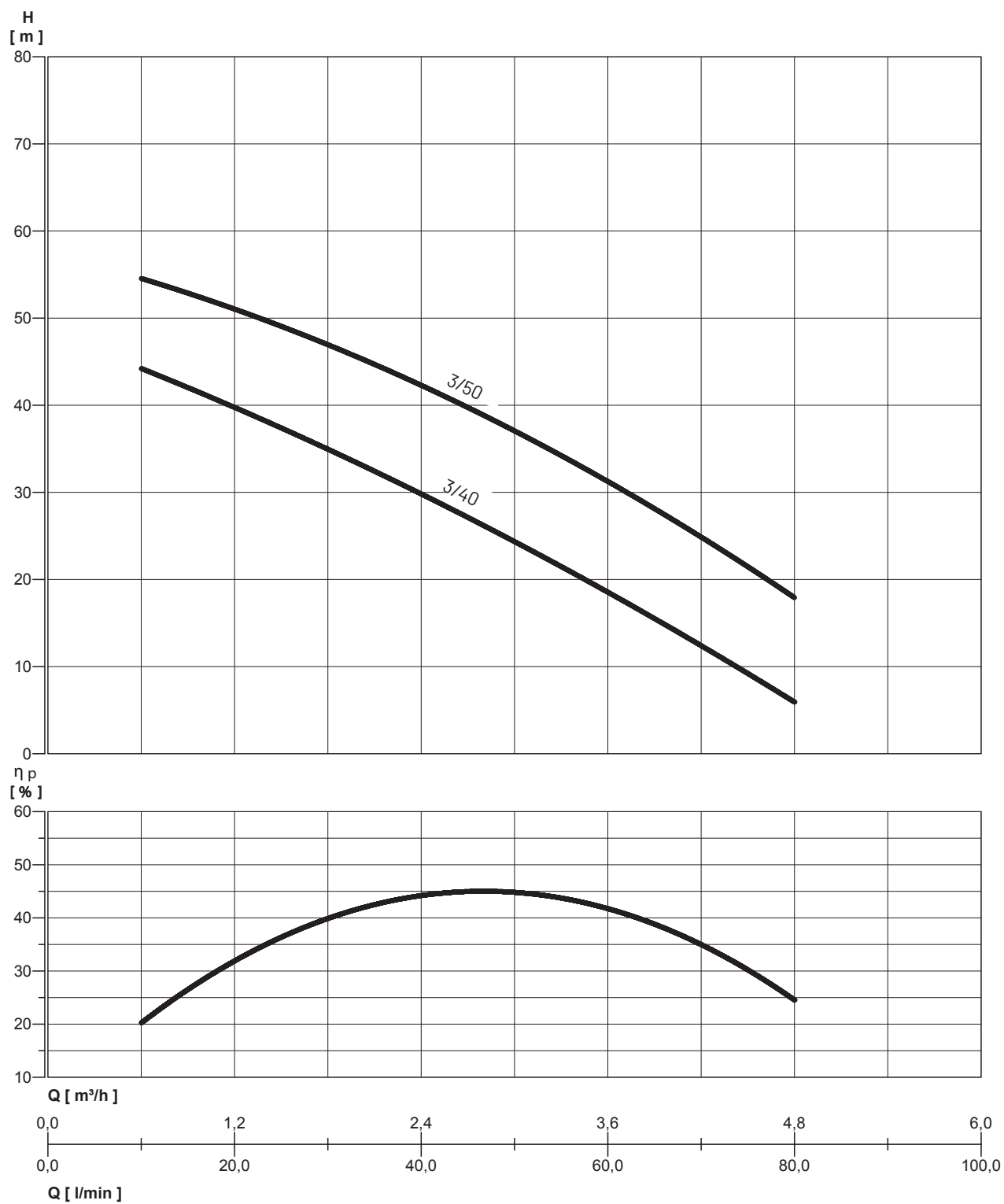


TABLE OF MATERIALS

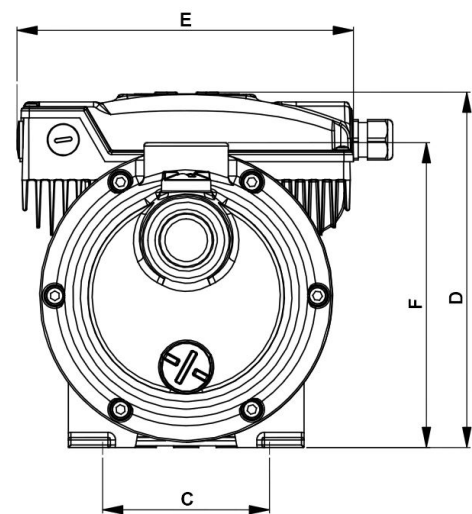
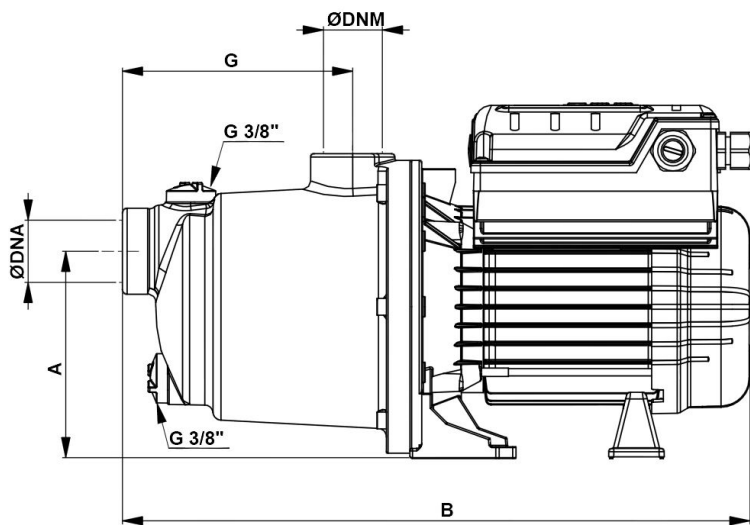
REF.	COMPONENT	MATERIAL
1	PUMP BODY	Fibreglass reinforced PP
2	MOTOR CASING	Die-cast aluminium
3	IMPELLER	Fibreglass reinforced PPO
4	DIFFUSER	Fibreglass reinforced PPO
5	WEAR RING	PTFE
6	SHAFT (HYDRAULIC PART)	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304
7	INLET / OUTLET CAPS	Polyamide 6.6
8	MECHANICAL SEAL	Carbon graphite / NBR / SS Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304
9	COUNTERFACE	Ceramic / NBR
10	GASKETS	NBR 70 Shore A
11	SEAL HOLDER PLATE	Fibreglass reinforced PPO
12	REINFORCEMENT RING	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

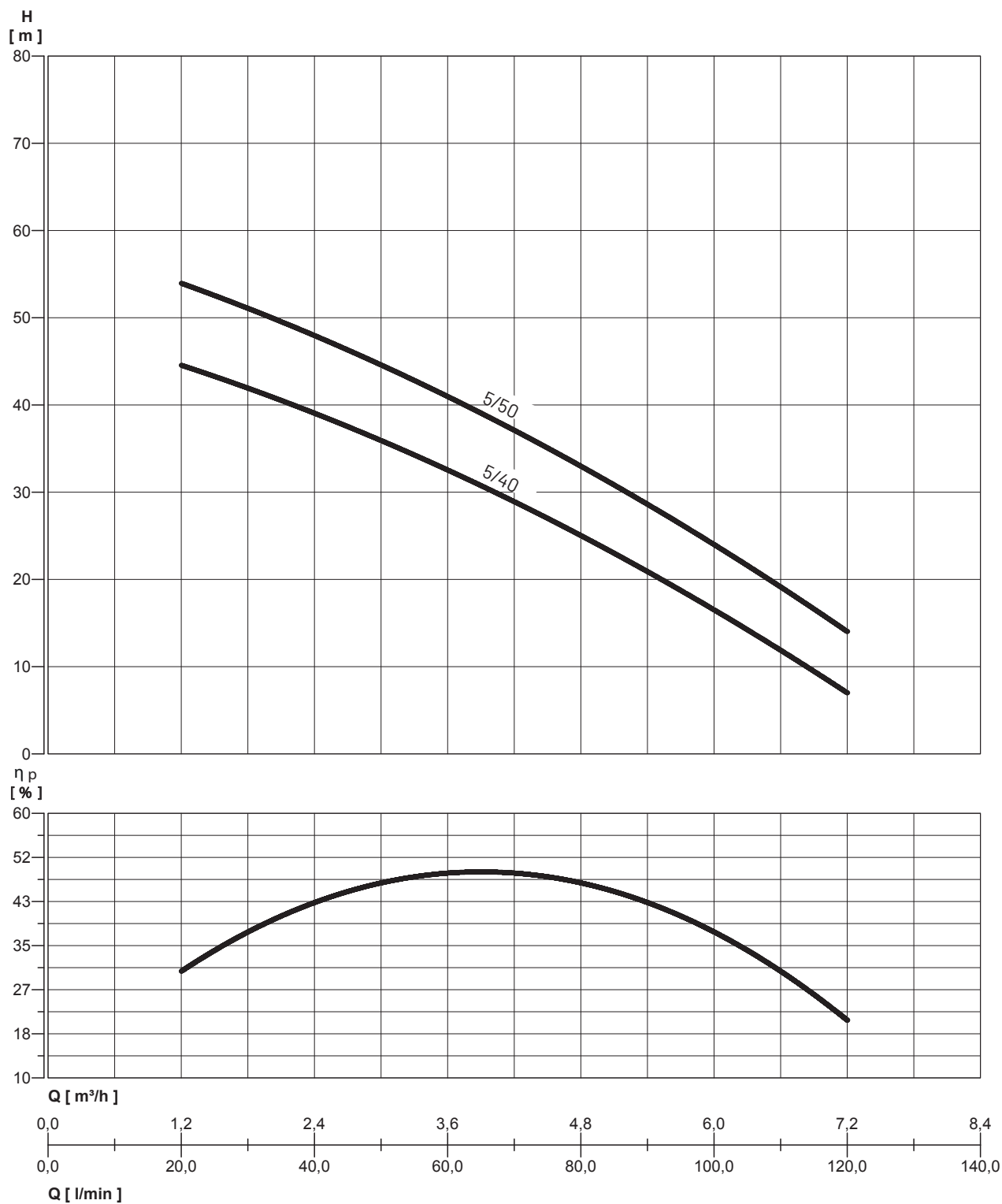
MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	Q	l/min m³/h	10	20	30	40	50	60	80
	HP	kW	HP	kW					0,6	1,2	1,8	2,4	3	3,6	4,8
Multi EVO-E 3-40 P	0,74	0,55	1,1	0,8	1 ~ 230	5,3	total head in metres water column		44	40	35	30	24	18,5	6
Multi EVO-E 3-50 P	0,94	0,7	1,34	1	1 ~ 230	7			54,5	51	47	42,5	37	31	18



OVERALL DIMENSIONS AND WEIGHTS

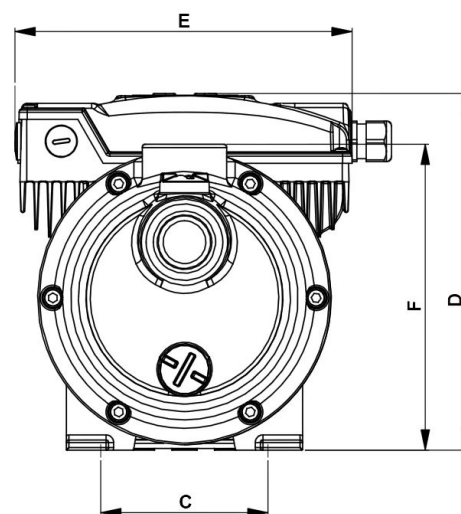
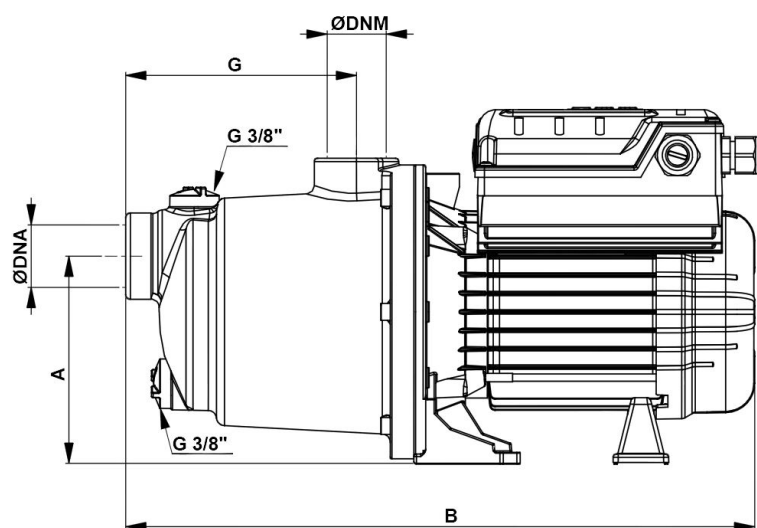
MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO-E 3-40 P	123	373	99	211	198	182	137	1"	1"	9,8
Multi EVO-E 3-50 P	123	392	99	220	198	182	137	1"	1"	11,8

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	0	l/min m³/h	20	30	40	50	60	80	100	120
	HP	kW	HP	kW					1,2	1,8	2,4	3	3,6	4,8	6	7,2
Multi EVO-E 5-40 P	0,94	0,7	1,34	1	1 ~ 230	7	total head in metres water column		44,5	42	39	36	32,5	25	16,5	7
Multi EVO-E 5-50 P	1,2	0,9	1,68	1,25	1 ~ 230	8,5			54	51	48	44,5	41	33	24	14



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO-E 5-40 P	123	392	99	220	198	182	137	1"	1"	11,9
Multi EVO-E 5-50 P	123	392	99	220	198	182	137	1"	1"	12,7



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