

MULTI EVO

THE EVOLUTION



ELECTRIC PUMPS & PRESSURE BOOSTER UNITS
STARITE.IT



A LEADER IN WATER TECHNOLOGY

The Pentair Water Group is one of the world's leading companies for the engineering and manufacture of innovative products and systems suitable for all situations requiring the treatment, transportation and storage of water. The activity and success of the Group is based on values such as constant improvement, the continuous development of new products, high performance, competence, business ethics and market leadership. Pentair employees share personal values such as accountability, respect for others and the environment and a candid and practical work style. Strong customer relations and high quality standards mean that Pentair Water is ranked amongst the leading producers of water treatment technology and instruments.

SAFE, CLEAN WATER

Providing clean, safe water to an ever-growing portion of the population is the Pentair Water Mission: a proven organization works to efficiently serve our customers through production plants located in every corner of the world, and through specialized sales and marketing networks.



ELECTRIC PUMPS

Vertical and horizontal centrifugal pumps; submersible pumps for domestic, commercial, agricultural and industrial use; pumps for the drainage of clear and waste water; pressure booster units and fire-fighting systems, pumps for heating and air conditioning systems.



WATER TREATMENT

Residential, commercial and industrial water conditioning control valves; fibreglass wound expansion tanks and vessels; water storage tanks.



FILTRATION

Industrial, residential and commercial filtration systems; filter cartridges, components for the filtration of household water, pumps for mobile homes and boats, and pumps and accessories for industrial and food industry applications.

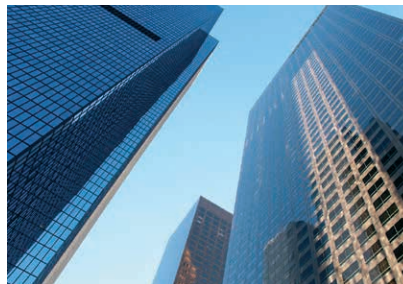


POOL & SPA

A complete range of pool/spa equipment and accessories: filters, pumps, heating and lighting systems and cleaning accessories; dosing and control systems, and products and accessories for fountains and ponds.

WATER ENERGY WE PUT ENERGY INTO YOUR WATER

The Sta-Rite brand exists since 1934 and is sold in over 100 countries worldwide. In Europe, Pentair already produces a wide range of Sta-Rite swimming pool pumps and cleaners for its pool division, which have gained a reputation for quality and durability. The new European Sta-Rite line for residential water supply and water disposal will be manufactured in Italy/Pisa.



FIRE-FIGHTING AND PRESSURIZATION SYSTEMS

Vertical and horizontal centrifugal pumps. Complete systems for the transfer and pressurization of water. Fire-fighting systems.



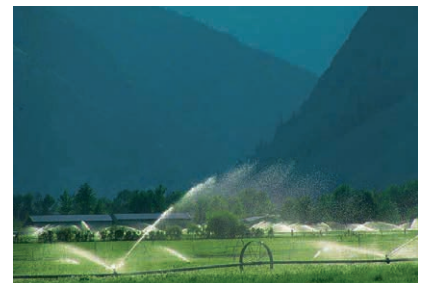
ELECTRIC PUMPS FOR RESIDENTIAL USE

Submersible pumps, self-priming pumps, multistage centrifugal pumps and compact pumping systems for domestic water supply, irrigation and the re-utilization of harvested rainwater.



ELECTRIC DRAINAGE PUMPS

Pumps for the transfer of clear, dirty, waste water and sewage. Pumps for numerous applications (water in basins, tanks, pumping stations etc.)



ELECTRIC PUMPS FOR OPEN AND DRILLED WELLS

Submersible pumps for irrigation and pumping underground waters.

THE PISA PLANT BECOMES 100% GREEN.



Thanks to the development of a sophisticated photovoltaic system on the rooftop of the building, the Pentair Water plant in Pisa has become the first plant to produce **100% of the energy needed for its production activities.**

4100 solar panels that generate up to **1,280,000 kWh** each year have been installed on a surface area of 11,000 m².

One of the greatest advantages includes a reduction of CO₂ emissions equal to **678 ton/year**. Our customers can rest assured

that products developed in the Pentair Water plant in Pisa are completely made using renewable energy.

The remarkable results achieved by the installation of the solar panels can be seen in real time on the various screens located throughout the plant.

All activities performed at the plant in Pisa are continuously improved, aiming towards maximum energy savings and minimum environmental impact.

In light of the initiatives undertaken and future plans, we can certainly say that Pentair Water is a leader in the management of its business, characterized by:

- Maximum environmental friendliness
- Maximum energy savings
- Improved safety conditions for workers
- Maximum respect for health

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*The technical data reported in this catalogue is provided for indicative purposes only and may vary from those of the final products.
Pentair reserves the right to modify the characteristics described without prior warning, whenever it believes necessary.*

MULTI EVO

CENTRIFUGAL MULTISTAGE ELECTRIC PUMPS

Multi EVO is an horizontal multistage centrifugal electric pump with an axial threaded suction port and a radial threaded discharge port. The innovative, high-efficiency hydraulic system is connected to a latest generation motor with mechanical seal. All models are certified for use with household water (ACS and DM174)

ADVANTAGES

Electric pumps in the Multi EVO series offer the following advantages:

- Low energy consumption thanks to high-efficiency hydraulic system.
- High performance
- High-level reliability - thanks to the resistant and innovative design
- Silent operation - improved user comfort thanks to its silent operation
- Compact form
- Wide range



SPECIFICATIONS:

PUMP

- Hydraulic performance conforms to 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 8 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 with permanently inserted condenser and thermal protection incorporated into motor winding

APPLICATIONS

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



DESIGN FEATURES

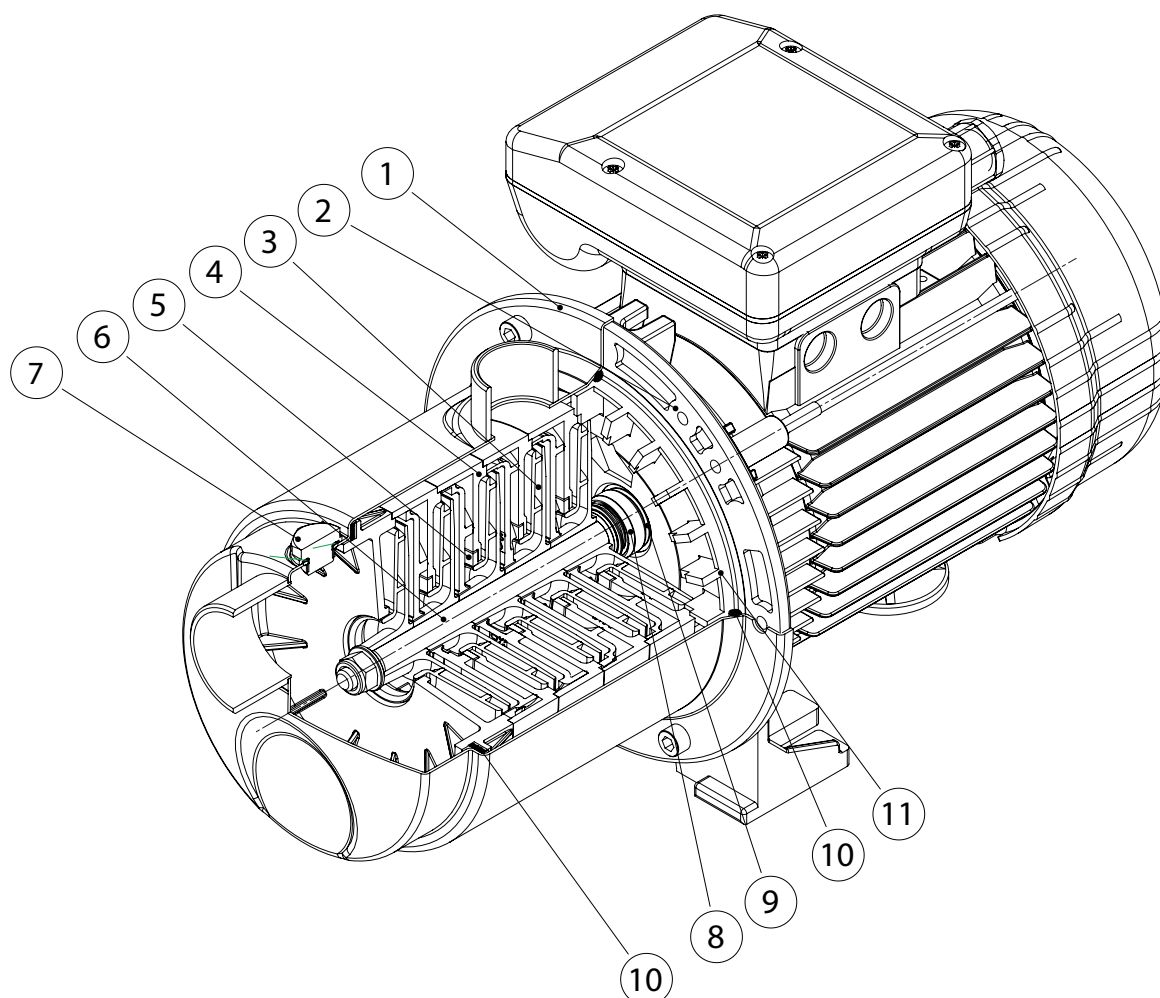
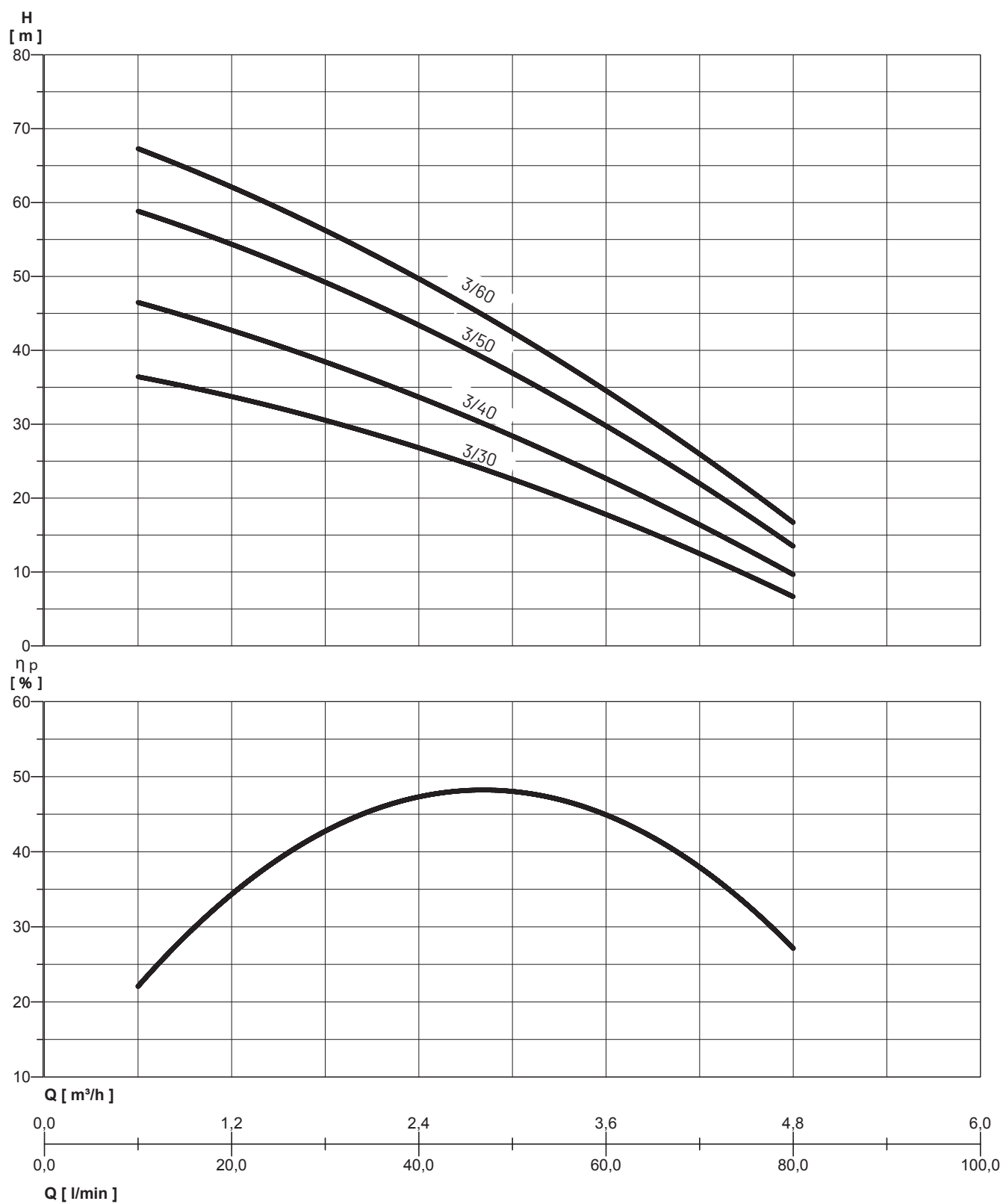


TABLE OF MATERIALS

REF.	COMPONENT	MATERIAL
1	PUMP BODY	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304
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	Stainless steel Europe: EN10088-1 X8CrNiS18-9 (1.4305) USA: AISI 303
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

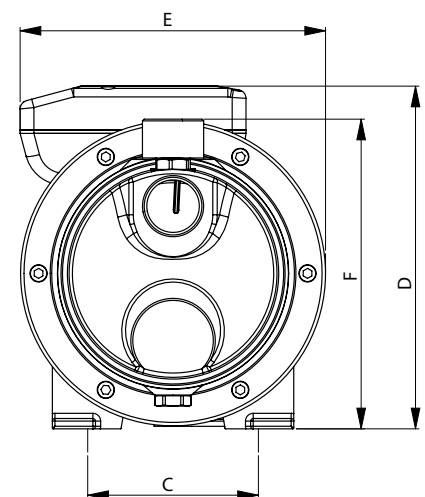
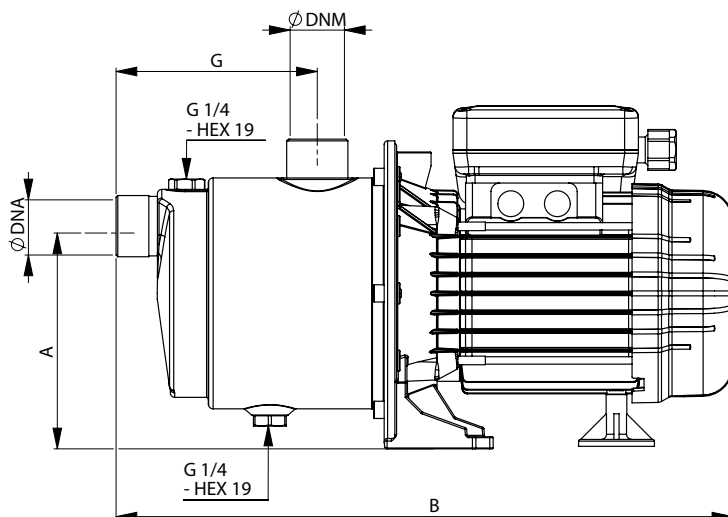
HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	μF	0	l/min	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 3-30 M	0,54	0,4	0,87	0,65	1 ~ 230	2,95	12,5			36	34	31	27	22,5	17	7
Multi EVO 3-30 T	0,54	0,4	0,87	0,65	3 ~ 230/400	2,3 / 1,3	-									
Multi EVO 3-40 M	0,74	0,55	1,1	0,8	1 ~ 230	3,7	12,5			46	43	39	34	28	22	10
Multi EVO 3-40 T	0,71	0,53	1,05	0,78	3 ~ 230/400	2,7 / 1,55	-									
Multi EVO 3-50 M	0,94	0,7	1,34	1	1 ~ 230	4,4	16			58	55	50	44	36	29	14
Multi EVO 3-50 T	0,94	0,7	1,34	1	3 ~ 230/400	3,3 / 1,9	-									
Multi EVO 3-60 M	1,2	0,9	1,68	1,25	1 ~ 230	5,8	20			67	62	57	50	42	34	17
Multi EVO 3-60 T	1,1	0,82	1,57	1,17	3 ~ 230/400	3,5 / 2	-									

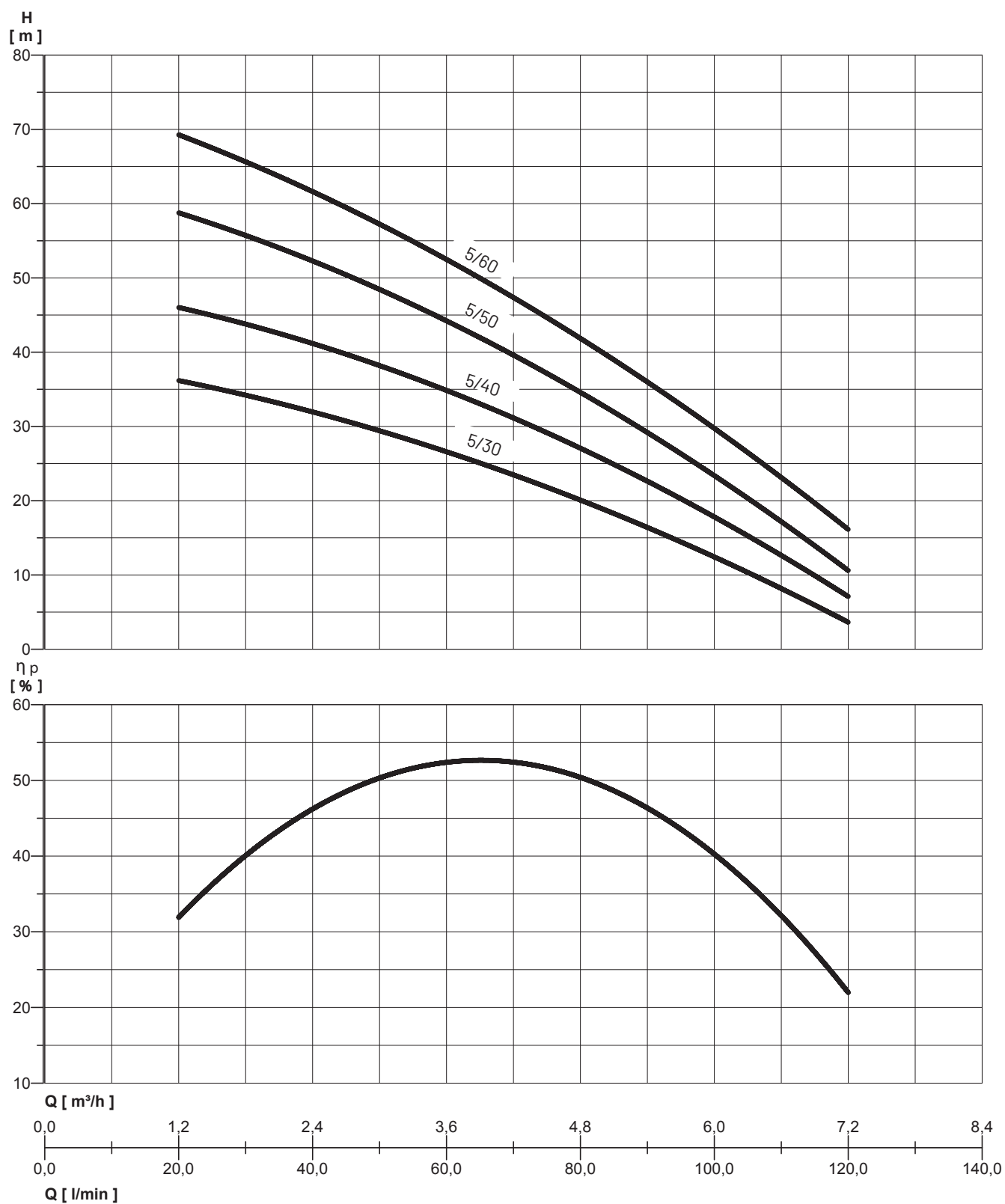
total head
in metres water column



OVERALL DIMENSIONS AND WEIGHTS

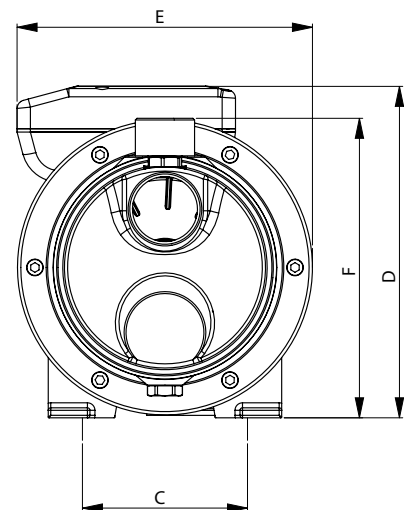
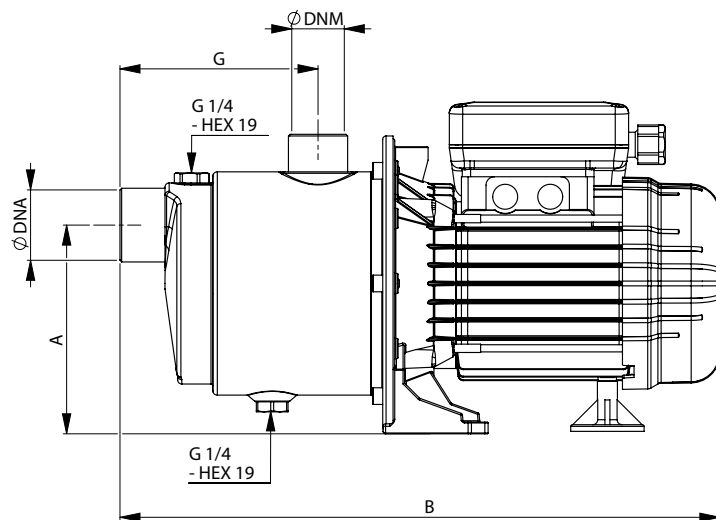
MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO 3-30 M	129	356	100	199	177	180	116	1"	1"	6,7
Multi EVO 3-30 T	129	356	100	199	177	180	116	1"	1"	6,7
Multi EVO 3-40 M	129	356	100	199	177	180	116	1"	1"	7,1
Multi EVO 3-40 T	129	356	100	199	177	180	116	1"	1"	7,1
Multi EVO 3-50 M	129	400	100	207	177	180	139	1"	1"	9,1
Multi EVO 3-50 T	129	400	100	207	177	180	139	1"	1"	9,1
Multi EVO 3-60 M	129	422	100	207	177	180	161	1"	1"	10,8
Multi EVO 3-60 T	129	422	100	207	177	180	161	1"	1"	10,8

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

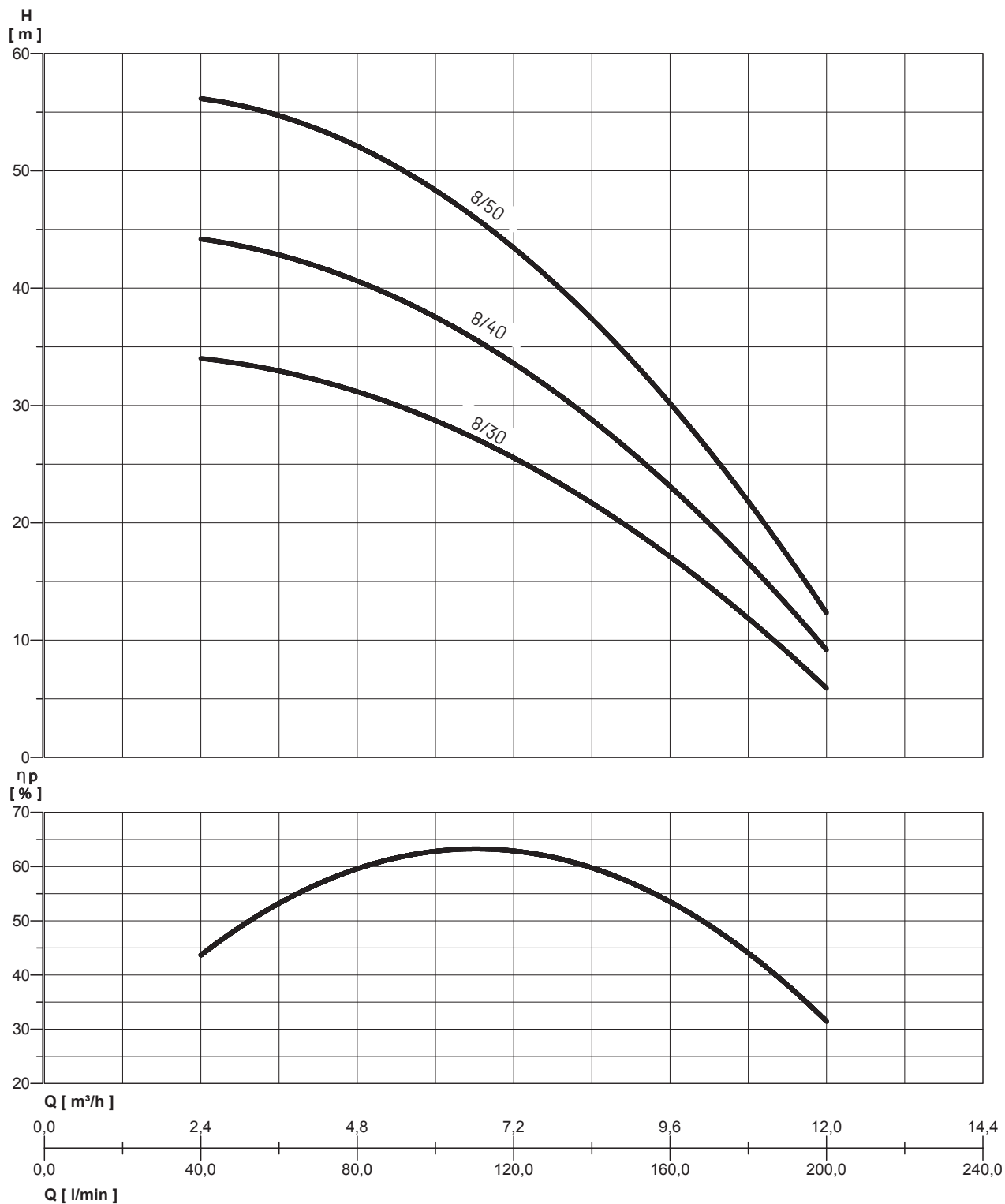
MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	μF	Q	l/min m³/h	20	30	40	50	60	80	100	120
	HP	kW	HP	kW						1,2	1,8	2,4	3	3,6	4,8	6	7,2
Multi EVO 5-30 M	0,75	0,55	1,1	0,8	1 ~ 230	3,7	12,5	total head in metres water column	36	34	32	30	27	19,5	12	4	
Multi EVO 5-30 T	0,71	0,53	1,05	0,78	3 ~ 230/400	2,7 / 1,55	-		46	44	41	38	35	27	18	7	
Multi EVO 5-40 M	1	0,75	1,5	1,1	1 ~ 230	4,7	16		58	56	53	49	44	34	23	11	
Multi EVO 5-40 T	1	0,75	1,5	1,1	3 ~ 230/400	3,5 / 2	-		69	66	62	57	52	42	30	16	
Multi EVO 5-50 M	1,27	0,95	1,8	1,35	1 ~ 230	6,2	20										
Multi EVO 5-50 T	1,2	0,9	1,68	1,25	3 ~ 230/400	3,7 / 2,1	-										
Multi EVO 5-60 M	1,6	1,2	2,2	1,65	1 ~ 230	7,5	31,5										
Multi EVO 5-60 T	1,6	1,2	2,1	1,57	3 ~ 230/400	5,3 / 3,1	-										



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO 5-30 M	125	360	100	199	177	180	119	1" 1/4	1"	7,1
Multi EVO 5-30 T	125	360	100	199	177	180	119	1" 1/4	1"	7,1
Multi EVO 5-40 M	125	380	100	207	177	180	119	1" 1/4	1"	8,8
Multi EVO 5-40 T	125	380	100	207	177	180	119	1" 1/4	1"	8,8
Multi EVO 5-50 M	125	402	100	207	177	180	142	1" 1/4	1"	10,4
Multi EVO 5-50 T	125	402	100	207	177	180	142	1" 1/4	1"	10,4
Multi EVO 5-60 M	125	457	100	215	203	180	164	1" 1/4	1"	13,5
Multi EVO 5-60 T	125	457	100	215	177	180	164	1" 1/4	1"	13,5

HYDRAULIC PERFORMANCE

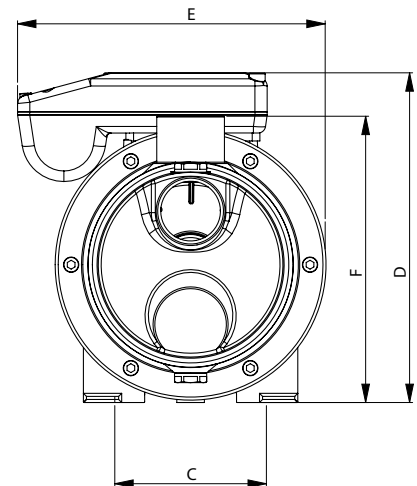
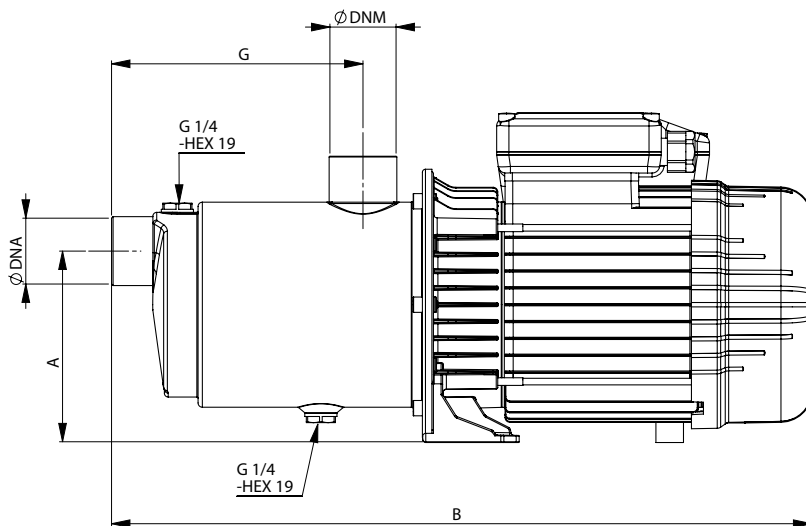


PERFORMANCE TABLE

MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	μF	Q										
	HP	kW	HP	kW					l/min	40	60	80	100	120	140	160	180	200
									m³/h	2,4	3,6	4,8	6	7,2	8,4	9,6	10,8	12
Multi EVO 8-30 M	1,2	0,9	1,7	1,28	1 ~ 230	5,9	20											
Multi EVO 8-30 T	1,2	0,9	1,6	1,2	3 ~ 230/400	3,7 / 2,1	-											
Multi EVO 8-40 M	1,6	1,2	2,23	1,66	1 ~ 230	7,7	31.5											
Multi EVO 8-40 T	1,6	1,18	2	1,5	3 ~ 230/400	5 / 2,95	-											
Multi EVO 8-50 M	1,9	1,4	2,7	2	1 ~ 230	9	35											
Multi EVO 8-50 T	1,9	1,4	2,6	1,95	3 ~ 230/400	6,7 / 4	-											

total head
in metres water column

34	33,5	31	29	25,5	22	16,5	12	6
44,5	42,5	40,5	37,5	34	29	23	16	9,5
56,5	54,5	51,5	48,5	44	37,5	30	21,5	12,5



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									Weights (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO 8-30 M	125	398	100	207	177	187	137	1"1/4	1"1/4	10,5
Multi EVO 8-30 T	125	398	100	207	177	187	137	1"1/4	1"1/4	10,5
Multi EVO 8-40 M	125	430	100	215	203	187	137	1"1/4	1"1/4	13,4
Multi EVO 8-40 T	125	430	100	215	177	187	137	1"1/4	1"1/4	13,4
Multi EVO 8-50 M	125	457	100	215	203	187	164	1"1/4	1"1/4	14,5
Multi EVO 8-50 T	125	457	100	215	177	187	164	1"1/4	1"1/4	14,5

Multi EVO-E

CENTRIFUGAL MULTISTAGE ELECTRIC PUMPS WITH INVERTER

The system is composed of a Multi EVO-E horizontal multistage electric centrifugal pump 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. All models are certified for use with household water (ACS and DM174)

ADVANTAGES

Electric pumps in the Multi EVO-E 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 conforms to 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 8 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

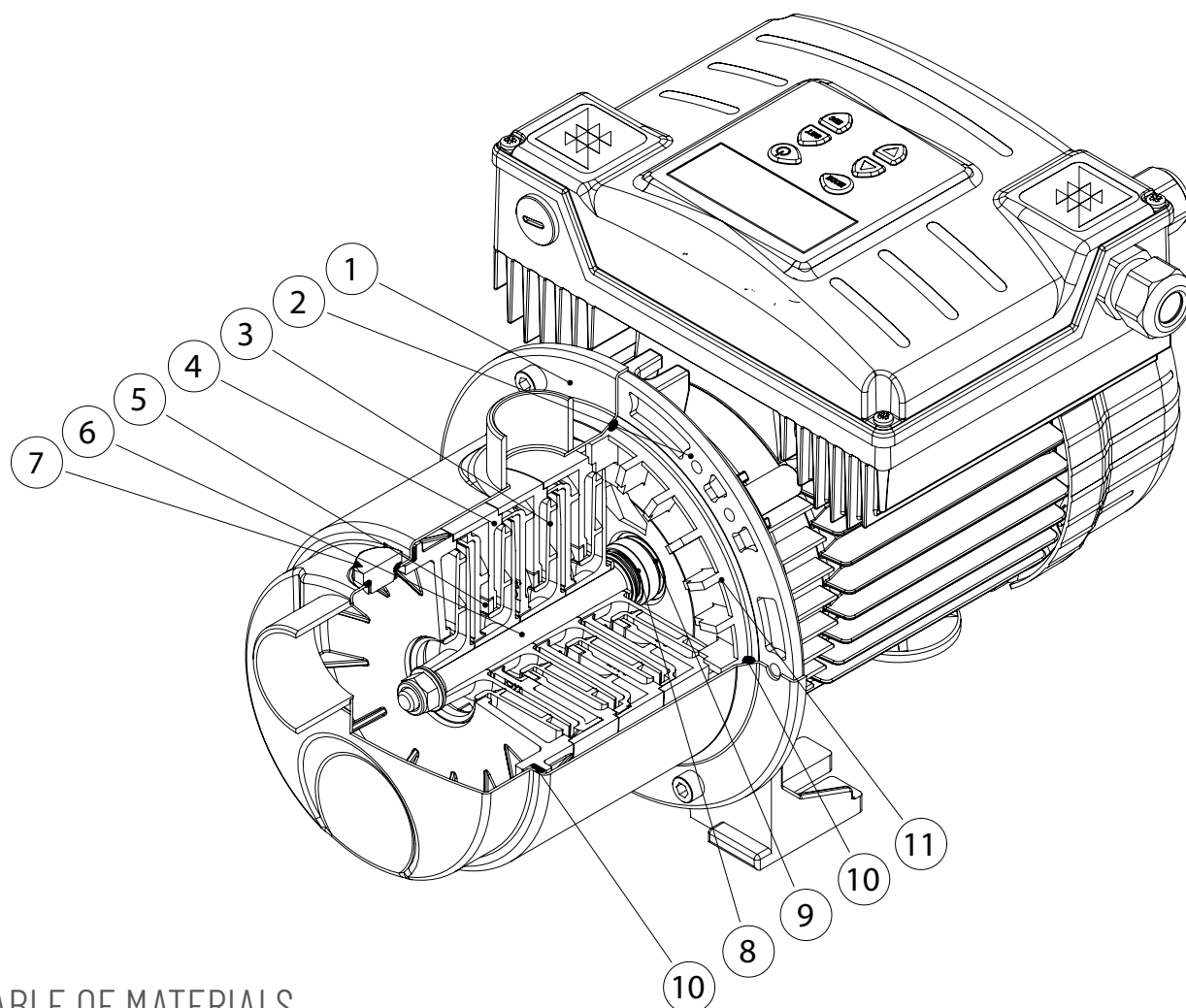
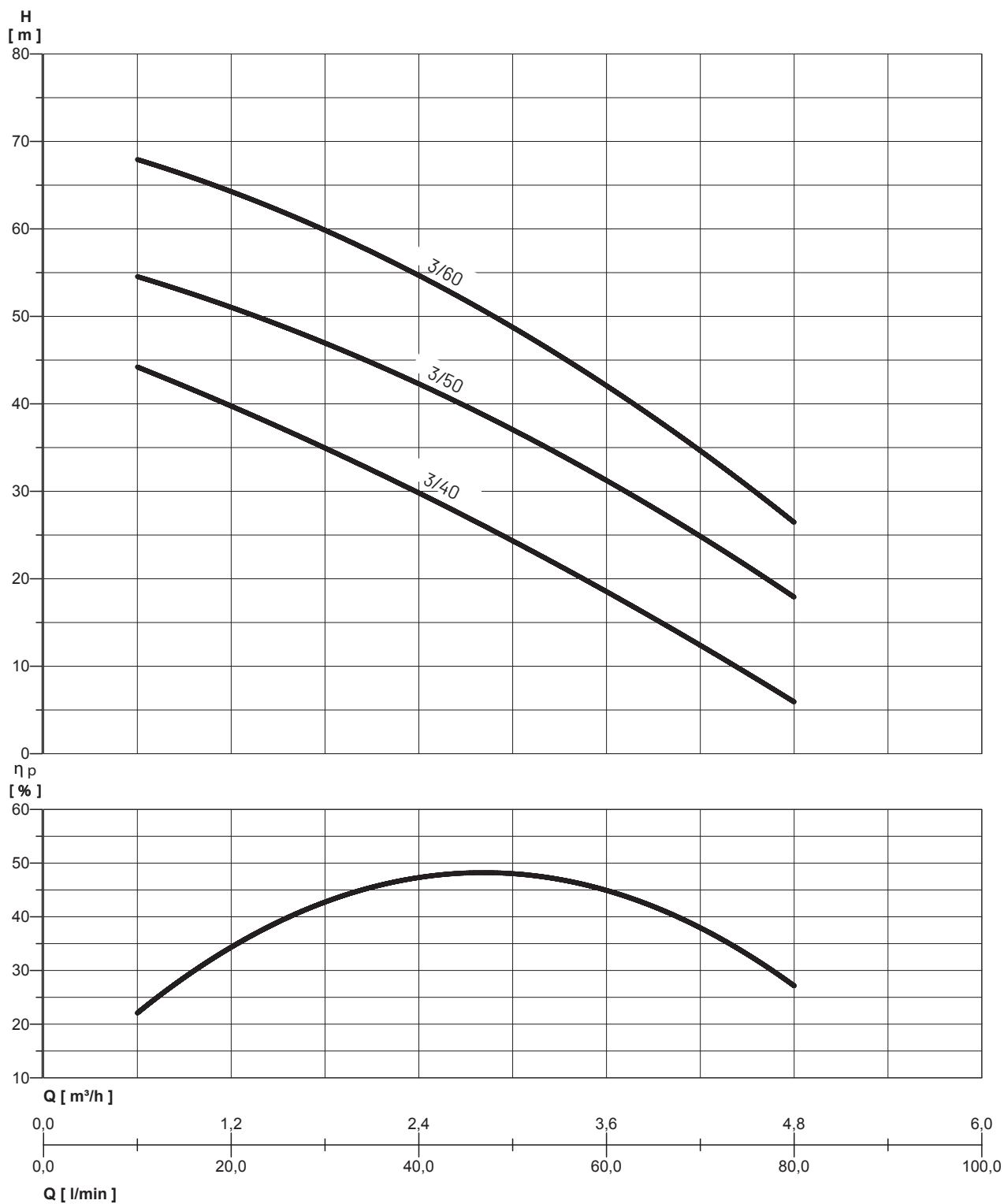


TABLE OF MATERIALS

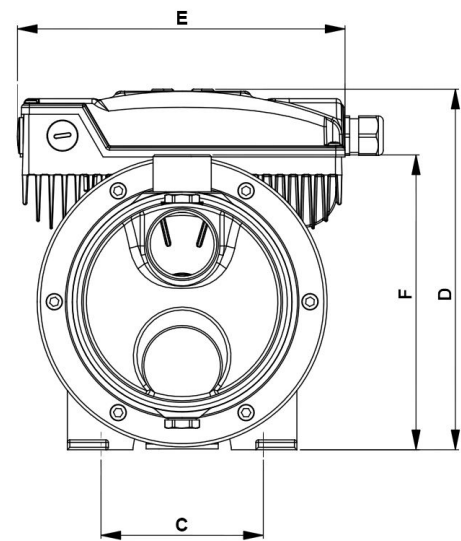
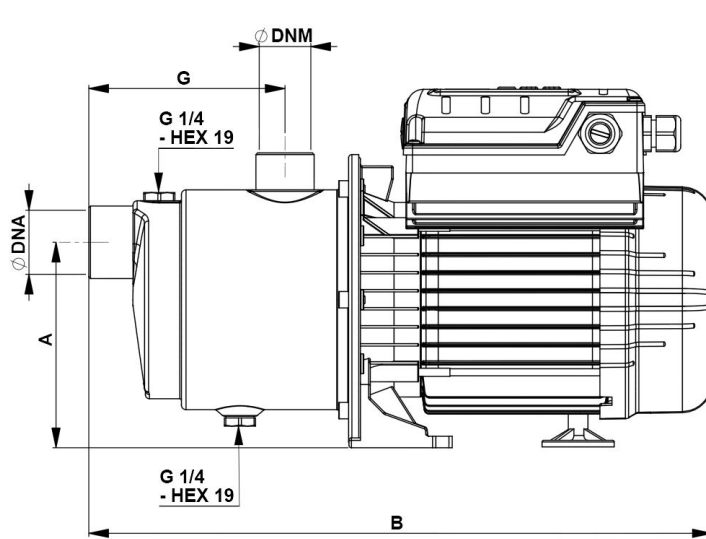
REF.	COMPONENT	MATERIAL
1	PUMP BODY	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304
2	MOTOR CASING	Die-cast aluminium
3	IMPELLER	Fibreglass reinforced PPO
4	DIFFUSER	Fibreglass reinforced PPO
5	WEAR RING	PTFE
6	SHAFT (HYDRAULIC PART)	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304
7	INLET / OUTLET CAPS	Stainless steel Europe: EN10088-1 X8CrNiS18-9 (1.4305) USA: AISI 303
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

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

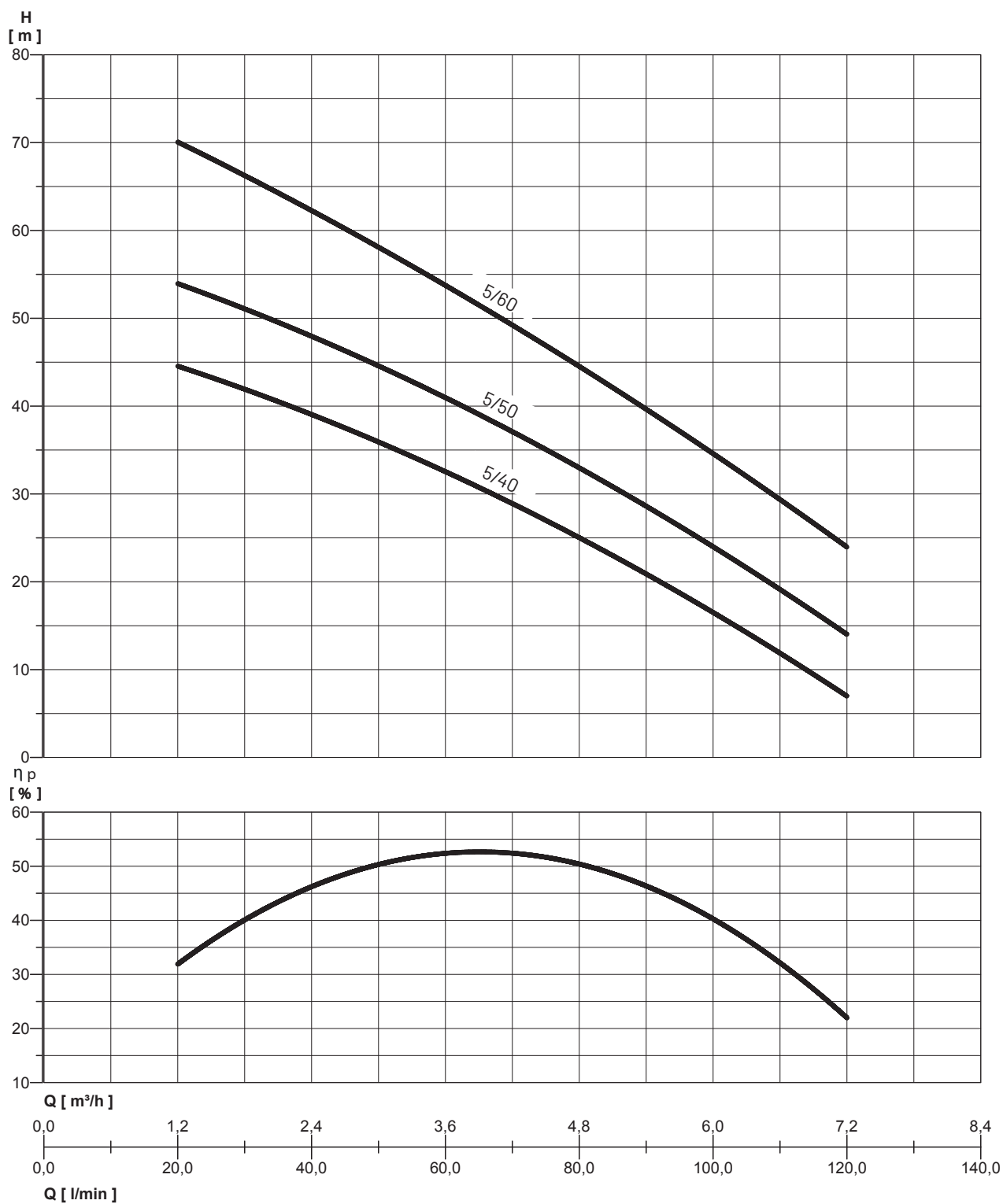
MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	Q	l/min m³/h	10	20	30	40	50	60	80
	HP	kW	HP	kW					0,6	1,2	1,8	2,4	3	3,6	4,8
Multi EVO-E 3-40	0,74	0,55	1,1	0,8	1 ~ 230	5,3	total head in metres water column	44	40	35	30	24	18,5	6	
Multi EVO-E 3-50	1	0,75	1,34	1	1 ~ 230	7		54,5	51	47	42,5	37	31	18	
Multi EVO-E 3-60	1,27	0,95	1,8	1,35	1 ~ 230	8,7		68	64	60	55	48,5	42	26,5	



OVERALL DIMENSIONS AND WEIGHTS

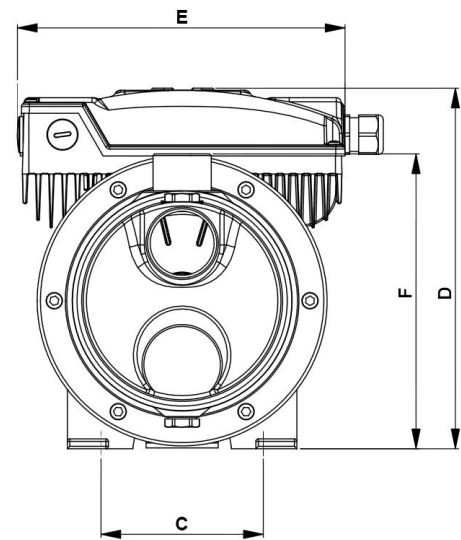
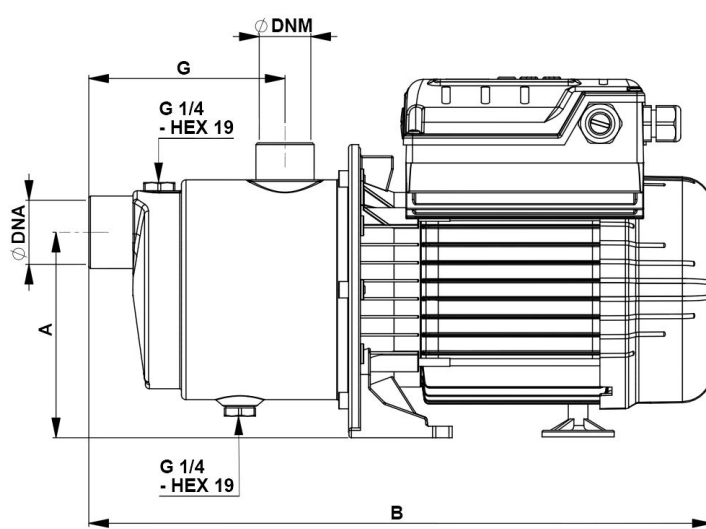
MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO-E 3-40	129	360	100	211	198	180	116	1"	1"	10
Multi EVO-E 3-50	129	377	100	220	198	180	116	1"	1"	12,1
Multi EVO-E 3-60	129	377	100	220	198	180	116	1"	1"	13,4

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

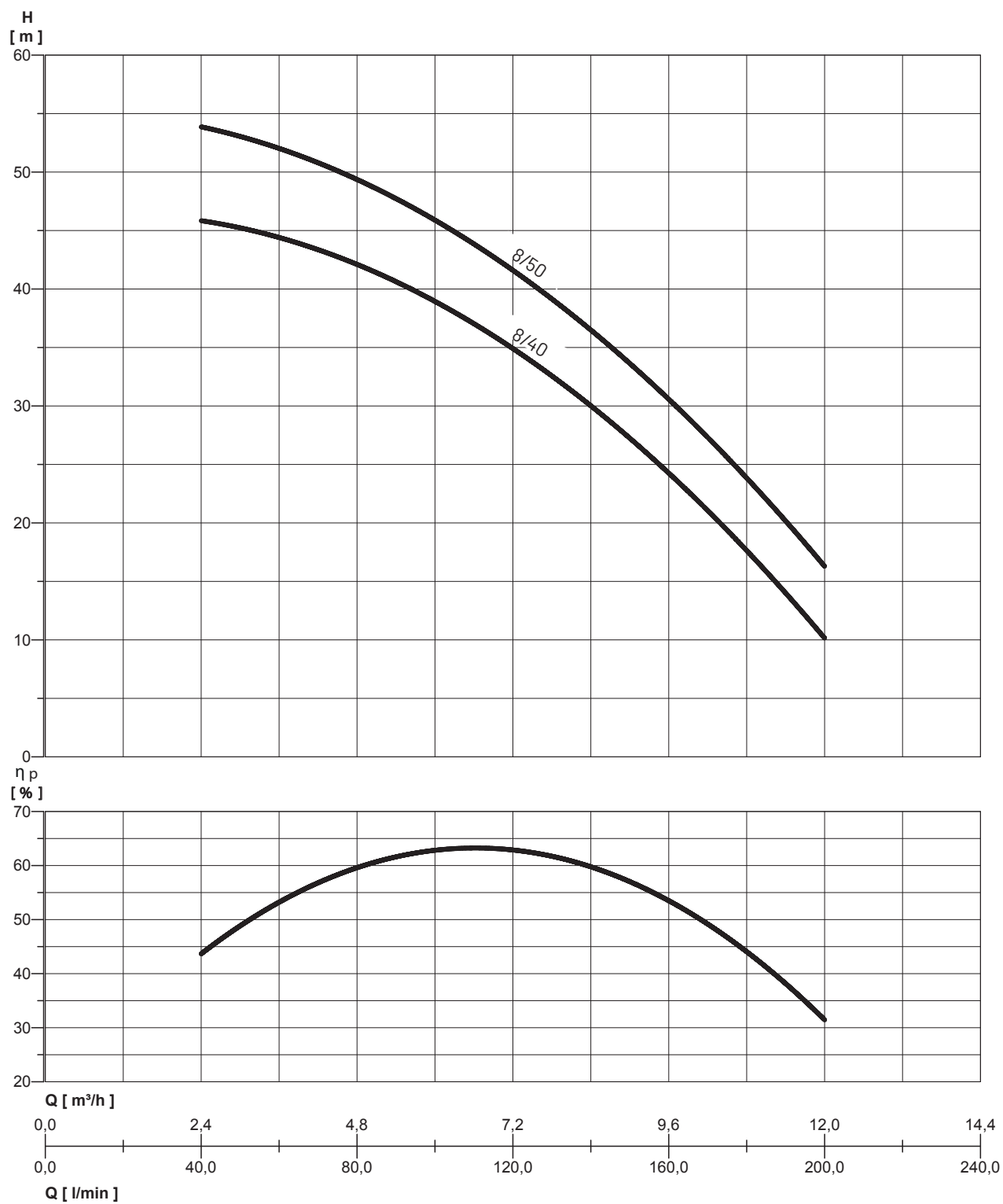
MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	0	l/min m³/h	20	30	40	50	60	80	100	120
	HP	kW	HP	kW					1,2	1,8	2,4	3	3,6	4,8	6	7,2
Multi EVO-E 5-40	1	0,75	1,34	1	1~230	7	total head in metres water column	44,5	42	39	36	32,5	25	16,5	7	
Multi EVO-E 5-50	1,2	0,9	1,68	1,25	1~230	8,5		54	51	48	44,5	41	33	24	14	
Multi EVO-E 5-60	1,74	1,3	2,4	1,8	1~230	11,5		70	66,5	62	58	54	44,5	34,5	24	



OVERALL DIMENSIONS AND WEIGHTS

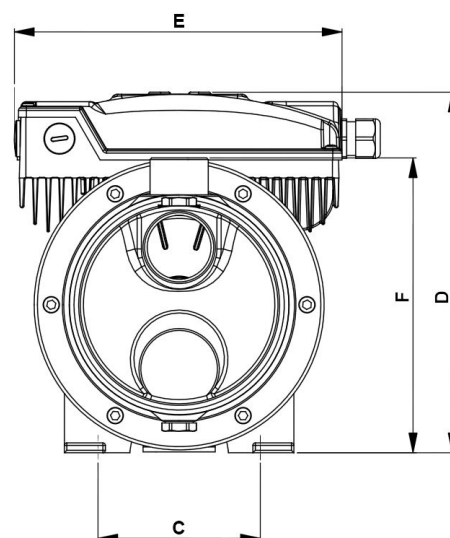
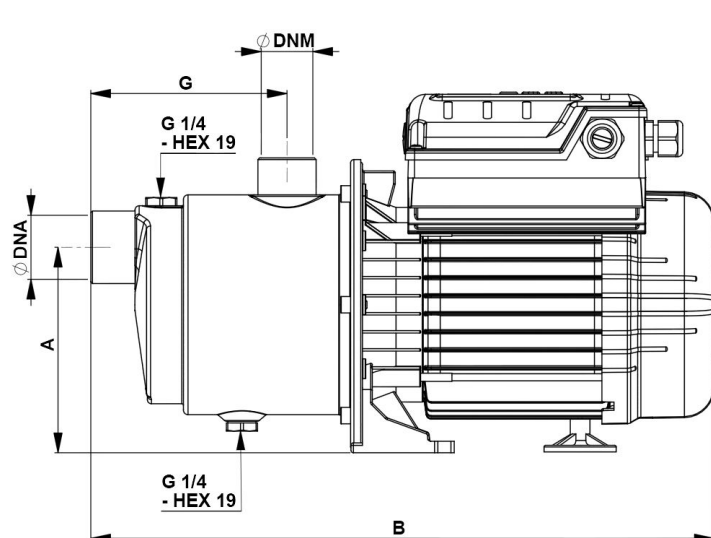
MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO-E 5-40 M	125	380	100	220	198	180	119	1"1/4	1"	12,2
Multi EVO-E 5-50 M	125	380	100	220	198	180	119	1"1/4	1"	13
Multi EVO-E 5-60 M	125	413	100	230	198	180	119	1"1/4	1"	14,5

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	0	l/min m³/h	40	50	60	80	100	120	140	160	180	200
	HP	kW	HP	kW					2,4	3	3,6	4,8	6	7,2	8,4	9,6	10,8	12
Multi EVO-E 8-40	1,6	1,2	2,15	1,7	1~230	11	total head in metres water column	46	45	44,5	42	39	35	30	24	18	10	
Multi EVO-E 8-50	1,9	1,4	2,7	2	1~230	13		54	53	52	49	46	42	36,5	30,5	23,5	16,5	



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO-E 8-40 M	125	430	100	230	198	187	137	1"1/4	1"1/4	15
Multi EVO-E 8-50 M	125	430	100	230	198	187	137	1"1/4	1"1/4	16,7

MULTI EVO-A

SELF-PRIMING CENTRIFUGAL MULTISTAGE ELECTRIC PUMPS

Multi EVO-A is an horizontal multistage centrifugal electric pump with an axial threaded suction port and a radial threaded discharge port. The innovative, high-efficiency hydraulic system is connected to a latest generation motor with mechanical seal. All models are certified for use with household water (ACS and DM174)

ADVANTAGES

Electric pumps in the Multi EVO 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 conforms to 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 8 bar

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 with permanently inserted condenser and thermal protection incorporated into motor winding



SELF-PRIMING CAPACITY

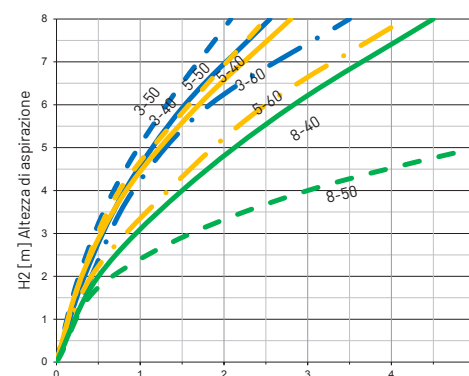
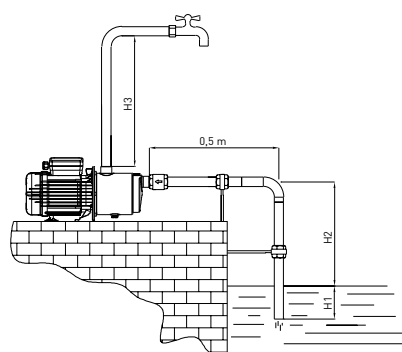
H₂O, T = 20°C,
Pa = 1000 hPa (mbar)
H₃ = vertical section

APPLICATIONS

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



H ₂ (m)	H ₃ (m) minimum							
	3-40	3-50	3-60	5-40	5-50	5-60	8-40	8-50
2	0,15	0,15	0,15	0,15	0,15	0,15	0,25	0,3
4	0,15	0,15	0,35	0,15	0,15	0,35	0,25	0,6
6	0,15	0,15	0,55	0,15	0,15	0,65	0,3	
8	0,55	0,35	0,55	0,45	0,55	0,65	0,65	



t [min] Tempo di autoadescamento

DESIGN FEATURES

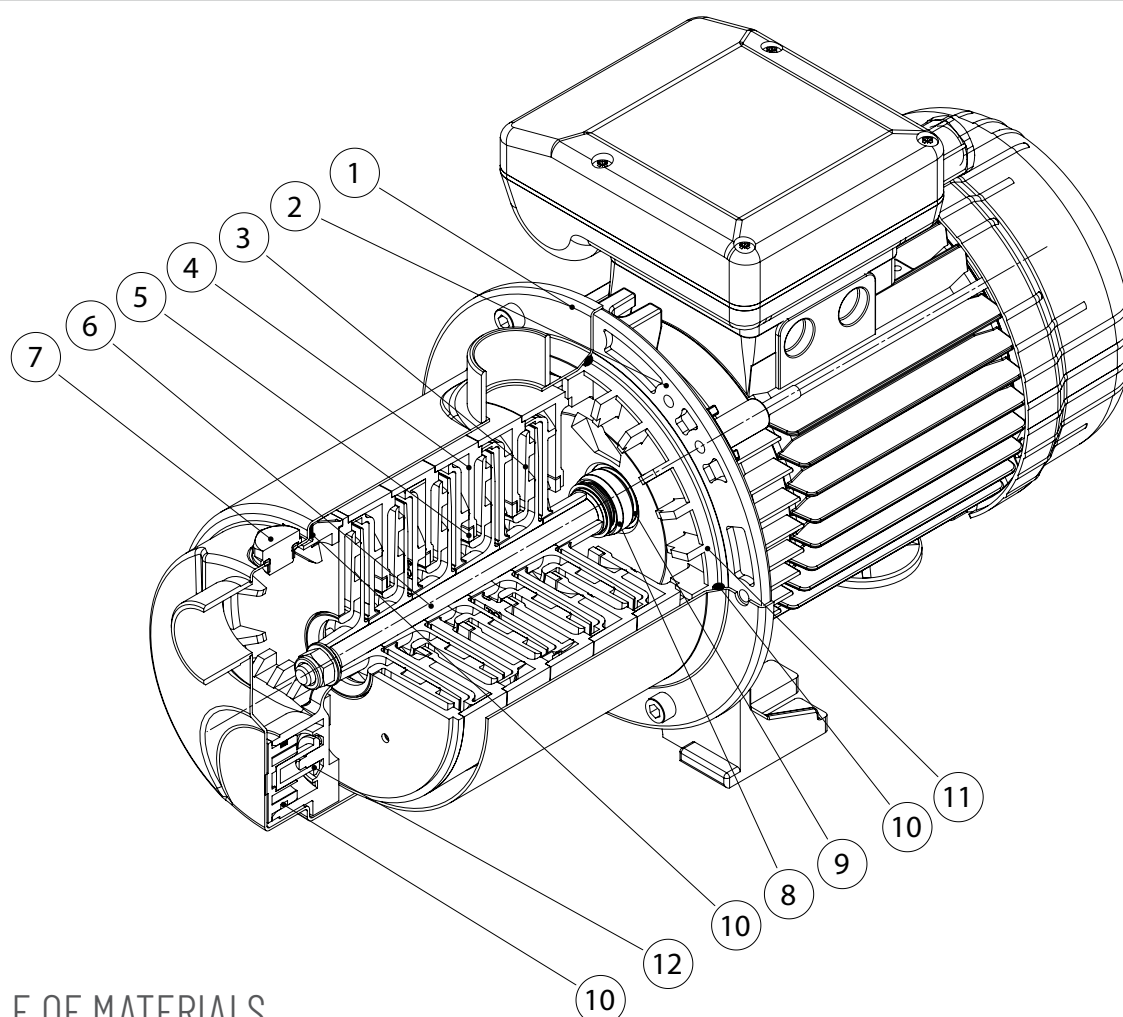
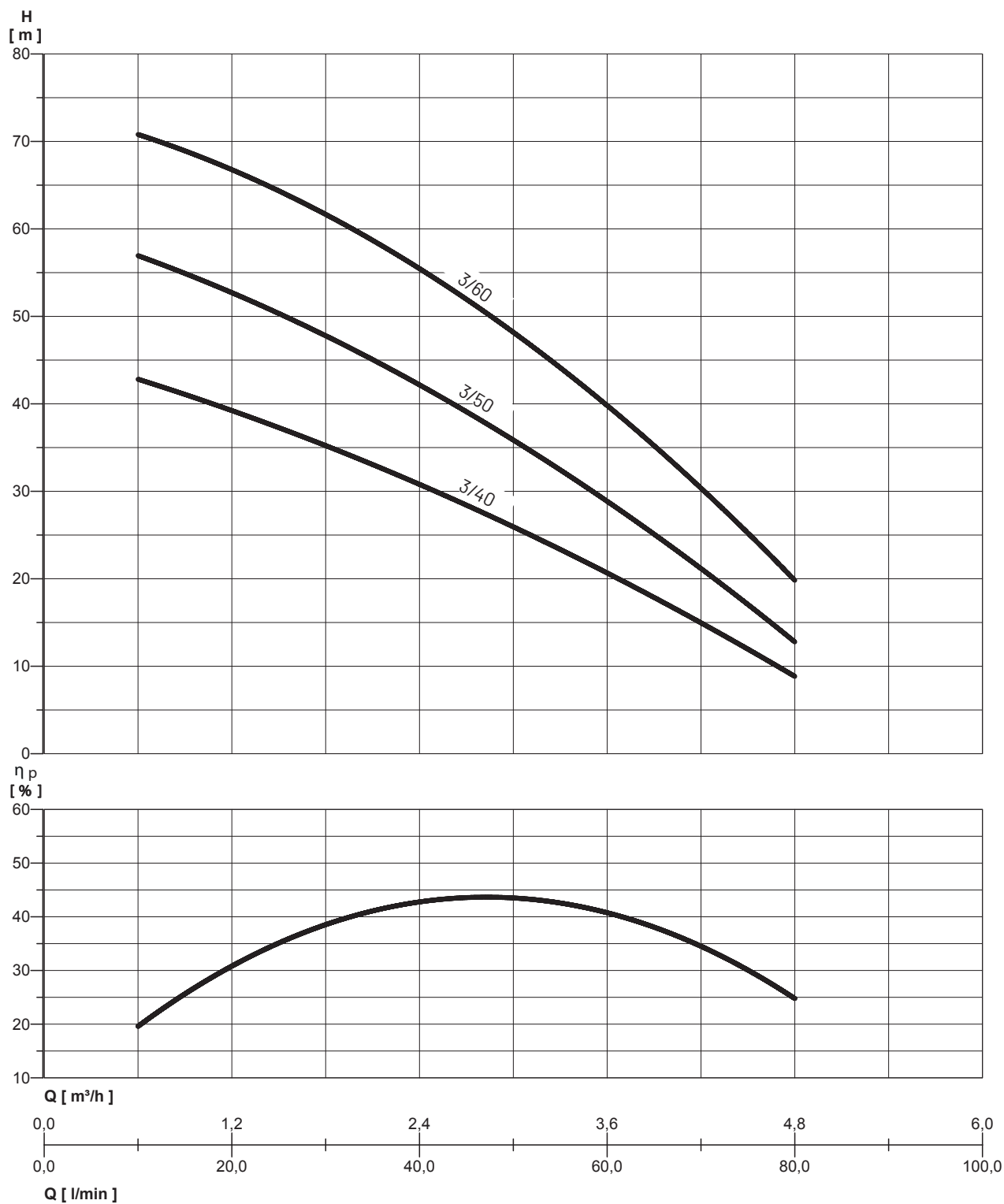


TABLE OF MATERIALS

REF.	COMPONENT	MATERIAL
1	PUMP BODY	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304
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	Stainless steel Europe: EN10088-1 X8CrNiS18-9 (1.4305) USA: AISI 303
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	SELF-PRIMING VALVE	Fibreglass reinforced PPO

HYDRAULIC PERFORMANCE



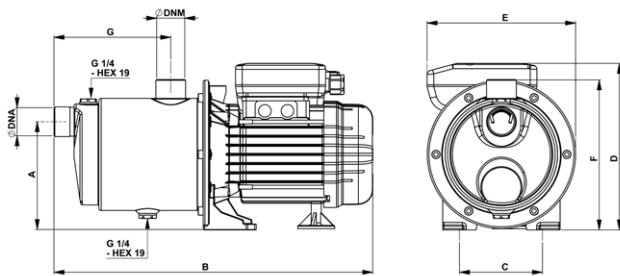
PERFORMANCE TABLE

MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	μF	0	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-A 3-40 M	0,68	0,51	1,1	0,8	1 ~ 230	3,7	12,5									
Multi EVO-A 3-40 M-C *	0,68	0,51	1,1	0,8	1 ~ 230	3,7	12,5									
Multi EVO-A 3-40 T	0,71	0,53	1,05	0,78	3 ~ 230/400	2,7 / 1,55	-									
Multi EVO-A 3-50 M	0,94	0,7	1,34	1	1 ~ 230	4,4	16									
Multi EVO-A 3-50 T	0,94	0,7	1,34	1	3 ~ 230/400	3,3 / 1,9	-									
Multi EVO-A 3-60 M	1,2	0,9	1,68	1,25	1 ~ 230	5,7	20									
Multi EVO-A 3-60 T	1,1	0,82	1,57	1,17	3 ~ 230/400	3,5 - 2	-									

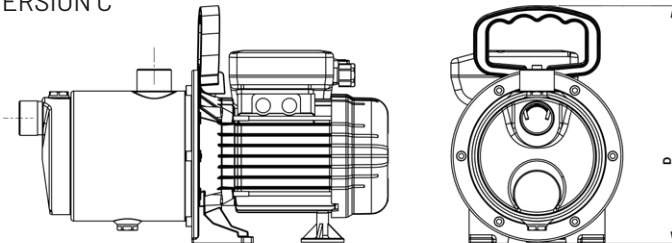
prevalenza totale
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42,5	39,5	35,5	31	25,5	20,5	9
56,5	53	48,5	42	35,5	28,6	13
70,5	67	62	55,5	48	39,5	20

* Version with cable, sleeve and schuko plug.



VERSION C

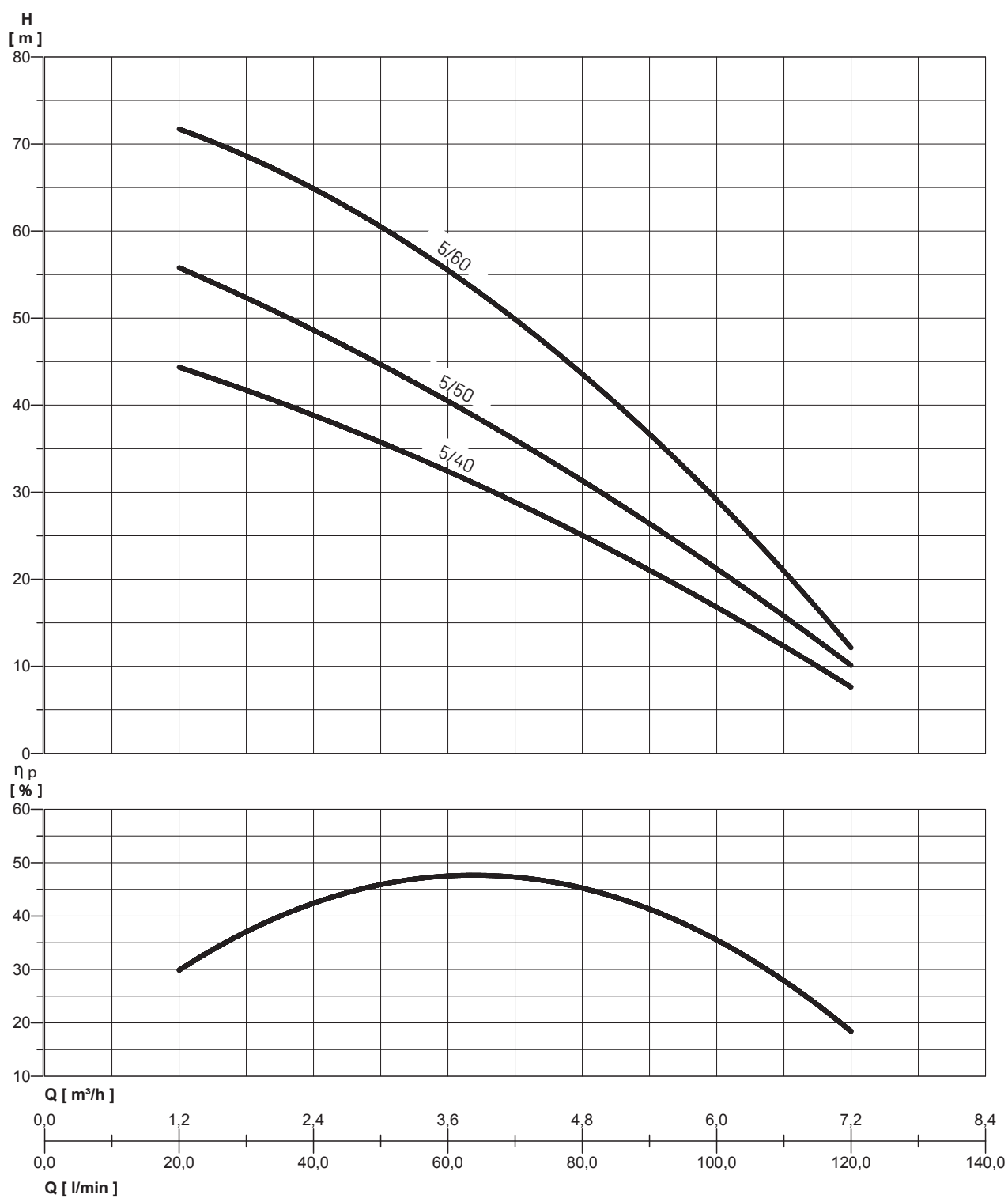


OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO-A 3-40 M	129	380	100	199	177	180	139	1"	1"	7,3
Multi EVO-A 3-40 T	129	380	100	199	177	180	139	1"	1"	7,3
Multi EVO-A 3-40 M-C*	129	380	100	245	177	180	139	1"	1"	7,6
Multi EVO-A 3-50 M	129	422	100	207	177	180	162	1"	1"	9,3
Multi EVO-A 3-50 T	129	422	100	207	177	180	162	1"	1"	9,3
Multi EVO-A 3-60 M	129	422	100	207	177	180	162	1"	1"	10,8
Multi EVO-A 3-60 T	129	422	100	207	177	180	162	1"	1"	10,8

* Version with cable, sleeve and schuko plug.

HYDRAULIC PERFORMANCE



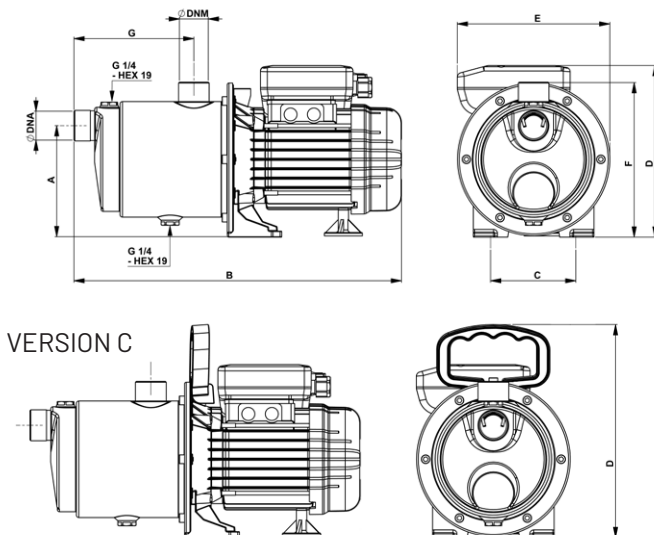
PERFORMANCE TABLE

MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	µF	Q	l/min m³/h	20	30	40	50	60	80	100	120
	HP	kW	HP	kW													
Multi EVO-A 5-40 M	1	0,75	1,5	1,1	1 ~ 230	4,7	16	total head in metres water column									
Multi EVO-A 5-40 T	1	0,75	1,5	1,1	3 ~ 230/400	3,4 / 2	-			44,5	41,5	39	35,5	32,5	25	17	7,5
Multi EVO-A 5-50 M	1,27	0,95	1,8	1,35	1 ~ 230	6,2	20										
Multi EVO-A 5-50 M-C *	1,27	0,95	1,8	1,35	1 ~ 230	6,2	20			56	52	48,5	45	40,5	31	21,5	10
Multi EVO-A 5-50 T	1,2	0,9	1,68	1,25	3 ~ 230/400	3,7 / 2,1	-										
Multi EVO-A 5-60 M	1,6	1,2	2,2	1,65	1 ~ 230	7,5	31,5										
Multi EVO-A 5-60 T	1,6	1,2	2,1	1,57	3 ~ 230/400	5,3 / 3,1	-			71,5	68,5	65	61	55,5	43,5	28,5	12,5

total head
in metres water column

44,5	41,5	39	35,5	32,5	25	17	7,5
56	52	48,5	45	40,5	31	21,5	10
71,5	68,5	65	61	55,5	43,5	28,5	12,5

* Version with cable, sleeve and schuko plug.

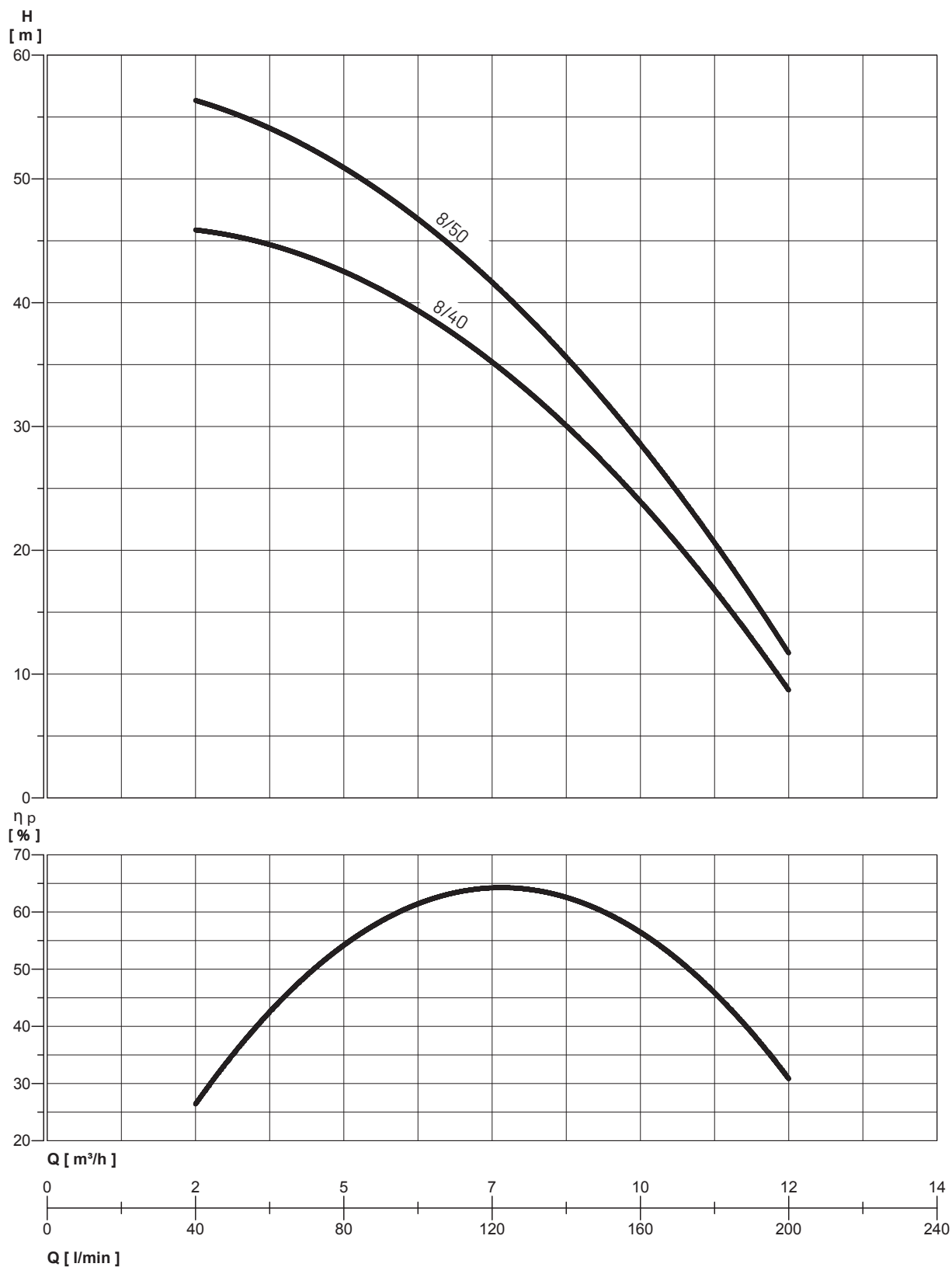


OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO-A 5-40 M	129	400	100	207	177	180	139	1"	1"	9
Multi EVO-A 5-40 T	129	400	100	207	177	180	139	1"	1"	9
Multi EVO-A 5-50 M	129	422	100	207	177	180	162	1"	1"	10,6
Multi EVO-A 5-50 T	129	422	100	207	177	180	162	1"	1"	10,6
Multi EVO-A 5-50 M-C*	129	422	100	245	177	180	162	1"	1"	11
Multi EVO-A 5-60 M	129	457	100	215	203	180	162	1"	1"	13,5
Multi EVO-A 5-60 T	129	457	100	215	177	180	162	1"	1"	13,5

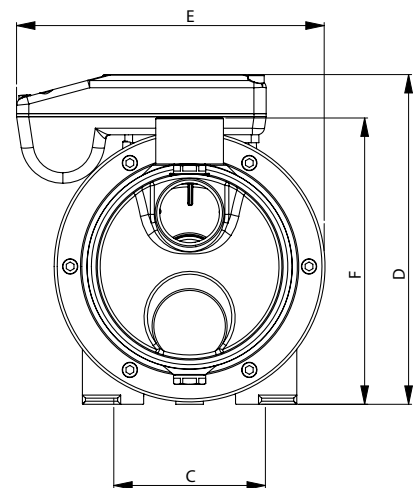
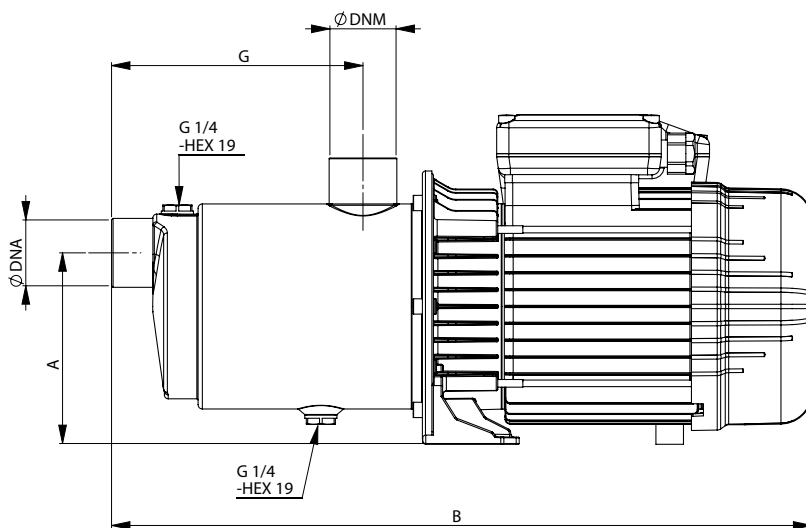
* Version with cable, sleeve and schuko plug.

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	μF	Q	l/min m³/h	40	50	60	80	100	120	140	160	180	200
	HP	kW	HP	kW						2,4	3	3,6	4,8	6	7,2	8,4	9,6	10,8	12
Multi EVO-A 8-40 M	1,6	1,2	2,23	1,66	1~230	7,7	31,5	total head in metres water column	46	46	45	42	40	36	30	24	17	9	
Multi EVO-A 8-40 T	1,6	1,18	2	1,5	3~230/400	5-2,95	-												
Multi EVO-A 8-50 M	1,9	1,4	2,7	2	1~230	9	35		56,5	55	54	51	47	42	36	28	21	12	
Multi EVO-A 8-50 T	1,9	1,4	2,6	1,95	3~230/400	6,7-4	-												



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO-A 8-40 M	125	457	100	215	203	187	164	1" 1/4	1" 1/4	13,5
Multi EVO-A 8-40 T	125	457	100	215	177	187	164	1" 1/4	1" 1/4	13,5
Multi EVO-A 8-50 M	125	457	100	215	203	187	164	1" 1/4	1" 1/4	14,5
Multi EVO-A 8-50 T	125	457	100	215	177	187	164	1" 1/4	1" 1/4	14,5

FP/MULTI EVO-A

ELECTRIC PUMPS WITH ELECTRONIC CONTROL AND PROTECTION DEVICE

HIGH HYDRAULIC PERFORMANCE

Automatic unit to increase pressure in domestic water supply system. Composed of a single phase electric pump type **Multi EVO-A** and the FLUSSCONTROL BASIC electronic device, which regulates the automatic operation of the pump and protects it if there is a lack of water. It is supplied pre-assembled, wired, ready for installation and use.

- High hydraulic pressure and flow performance
- Minimum energy consumption
- Extremely silent operation



SPECIFICATIONS:

ADVANTAGES

- Reduces pressure waves
- Replaces traditional expansion tank system
- Does not require any maintenance
- Protection if there is a lack of water
- Very simple to install and ready to use (Plug & Play)

MOTOR

- Enclosed, externally ventilated (TEFC)
- 2 poles, 50 Hz (n=2850 rpm)
- Protection class IP 55
- Insulation class
- Single phase power supply with permanently inserted condenser and thermal protection incorporated into motor winding
- Three-phase power supply with external protection supplied by the user

PUMP

- Type of liquid: clean water with no suspended solids or abrasive material
- Maximum liquid temperature 50°C
- Maximum recommended suction height: 6m with foot valve
- Maximum operating pressure 8 bar

APPLICATIONS

- Lifts and distributes water in domestic systems
- Pressurization systems
- Cleaning systems
- Irrigation
- Re-utilization of rainwater



DESIGN FEATURES

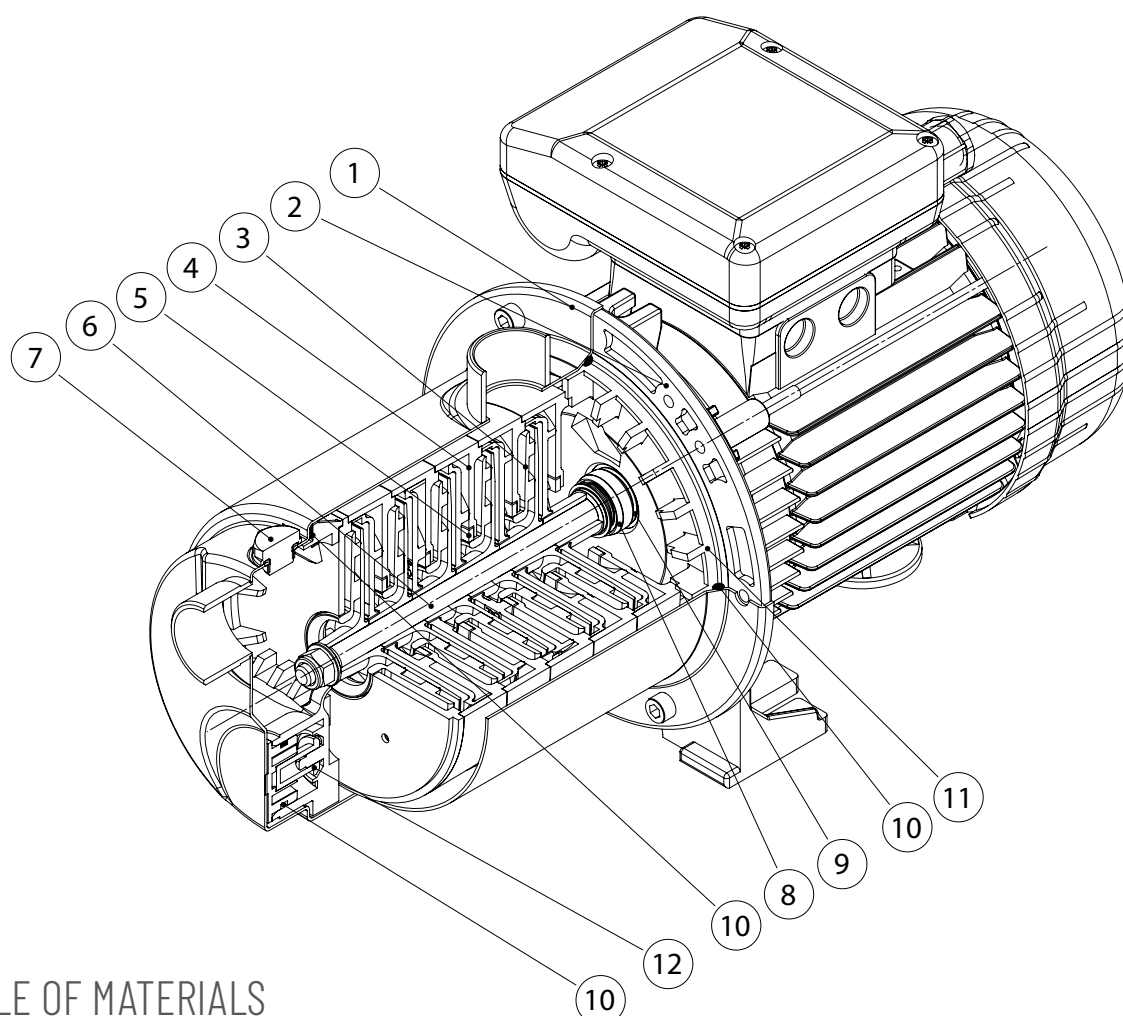
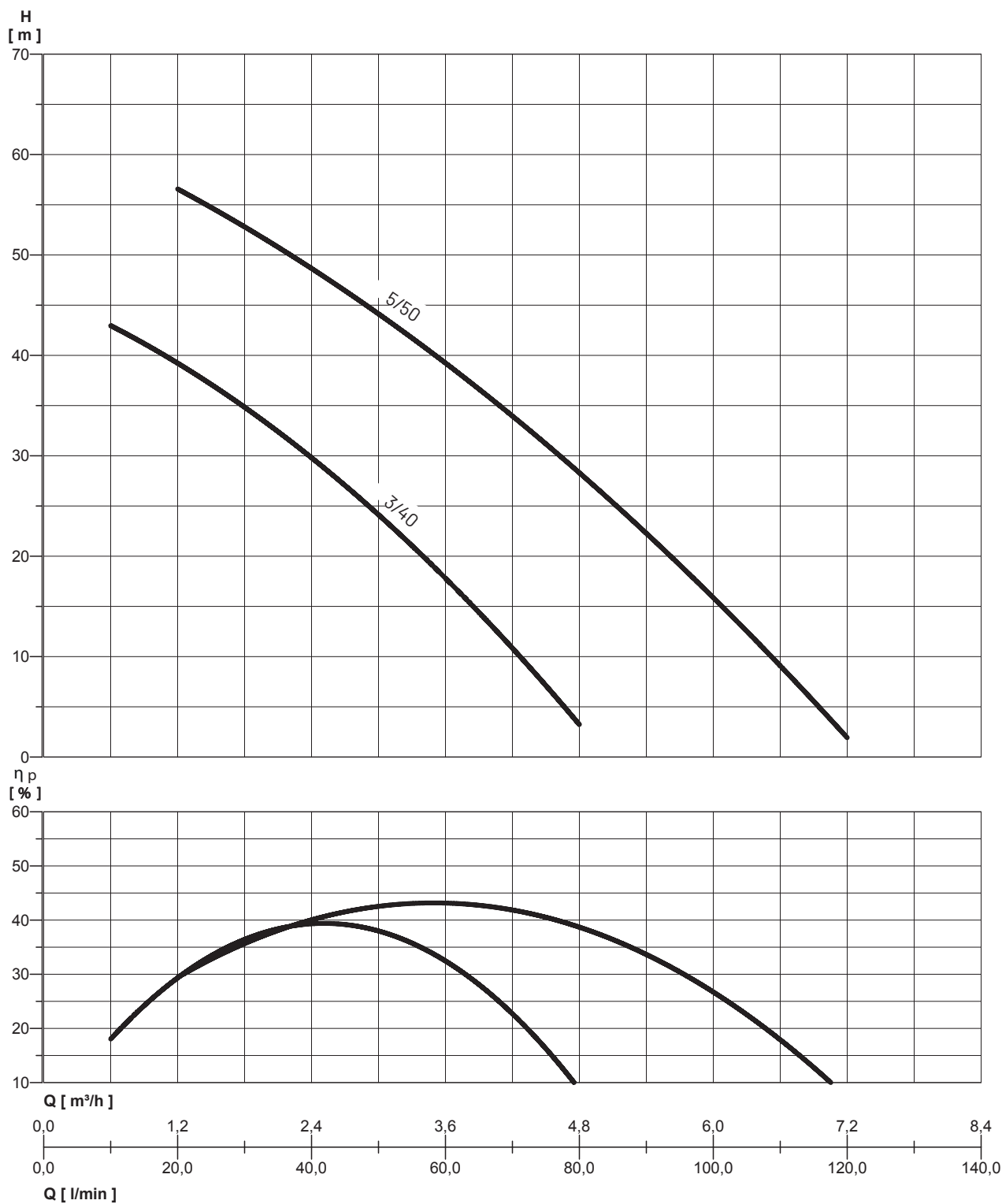


TABLE OF MATERIALS

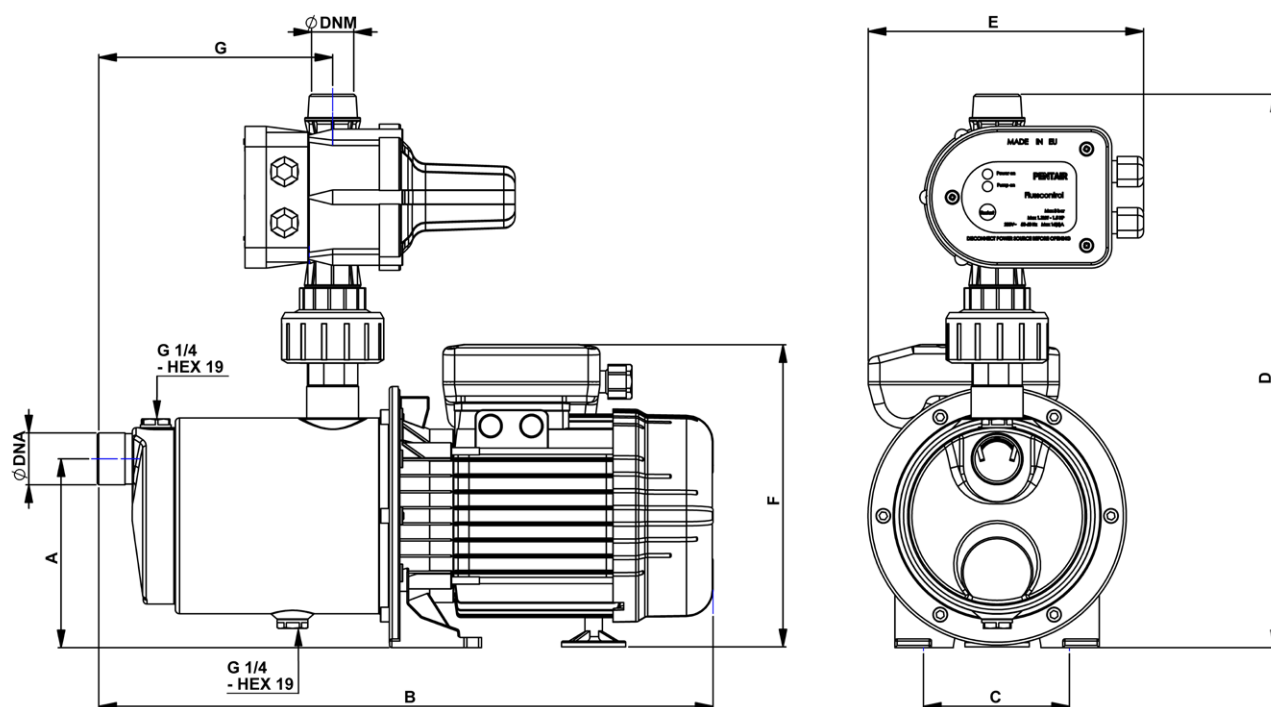
REF.	COMPONENT	MATERIAL
1	PUMP BODY	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304
2	MOTOR CASING	Die-cast aluminium
3	IMPELLER	Fibreglass reinforced PPO
4	DIFFUSER	Fibreglass reinforced PPO
5	WEAR RING	PTFE
6	SHAFT (HYDRAULIC PART)	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304
7	INLET / OUTLET CAPS	Stainless steel Europe: EN10088-1 X8CrNiS18-9 (1.4305) USA: AISI 303
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	SELF-PRIMING VALVE	Fibreglass reinforced PPO

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	μF	Q	l/min m³/h	10	20	30	40	50	60	80	100	120
	HP	kW	HP	kW						0,6	1,2	1,8	2,4	3	3,6	4,8	6	7,2
FP/Multi EVO-A 3-40 M	0,74	0,55	1,1	0,8	1~230	3,7	12,5	total head in metres water column	42,5	39,5	35,5	30	23,5	17,5	3,5			
FP/Multi EVO-A 5-50 M	1,27	0,95	1,8	1,35	1~230	6,2	20			56	53	49	44,5	39,5	28	15	2,5	



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
FP/Multi EVO-A 3-40 M	129	380	100	380	190	180	139	1"	1"	8,5
FP/Multi EVO-A 5-50 M	129	422	100	380	190	180	162	1"	1"	11,8

WP/MULTI EVO-A

PRESSURE BOOSTER UNITS WITH HORIZONTAL EXPANSION TANK

WATERPRESS pressure booster units are made with self-priming centrifugal MULTISTAGE electric pumps **Multi EVO-A**.

They are supplied wired, complete with 24 l or 50 l expansion tank, ready for installation and use. All models are certified for use with household water (ACS).

ADVANTAGES

- Reduces pressure waves
- Ideal for water supply systems in buildings
- Ready to use
- Reduction in start-up frequency with 50 l tank
- Very simple to install

DESIGN FEATURES

- Electromechanical pressure switch (max 6 bar) calibrated to: min 2 ÷ max 3 bar.
- Pump start pressure adjustable from 1.5 to 3 bar
- Gauge (6 bar).
- 5-way valve in chrome-plated pressed brass.
- Expansion tanks:
 - 50 l expansion tank in painted steel (models WP / Multi EVO-A 3-40 M-50l and WP / Multi EVO-A 5-50 M-50 l).
 - 24 l expansion tank in painted steel (model WP / Multi EVO-A 3-40 M).
 - 24 l expansion tank in stainless steel (model WP / Multi EVO-A 5-50 M-SS)
- Tuboflex hydraulic connection.
- Power cable 1.5 m H05 RN-F with plug

SPECIFICHE:

PUMP

- Type of liquid: clean water with no suspended solids or abrasive material
- Maximum liquid temperature 50°C
- Maximum suction height 8m with pump correctly installed
- Maximum operating pressure 8 bar

MOTOR

- Enclosed, externally ventilated (TEFC)
- 2 poles, 50 Hz (n=2850 rpm)
- Protection class IP 55
- Insulation class F
- Single phase power supply with permanently inserted condenser and thermal protection incorporated into motor winding
- Three-phase power supply with external protection supplied by the user



APPLICATIONS

- Lifts and distributes water in domestic systems
- Pressurization systems
- Cleaning systems
- Irrigation



DESIGN FEATURES

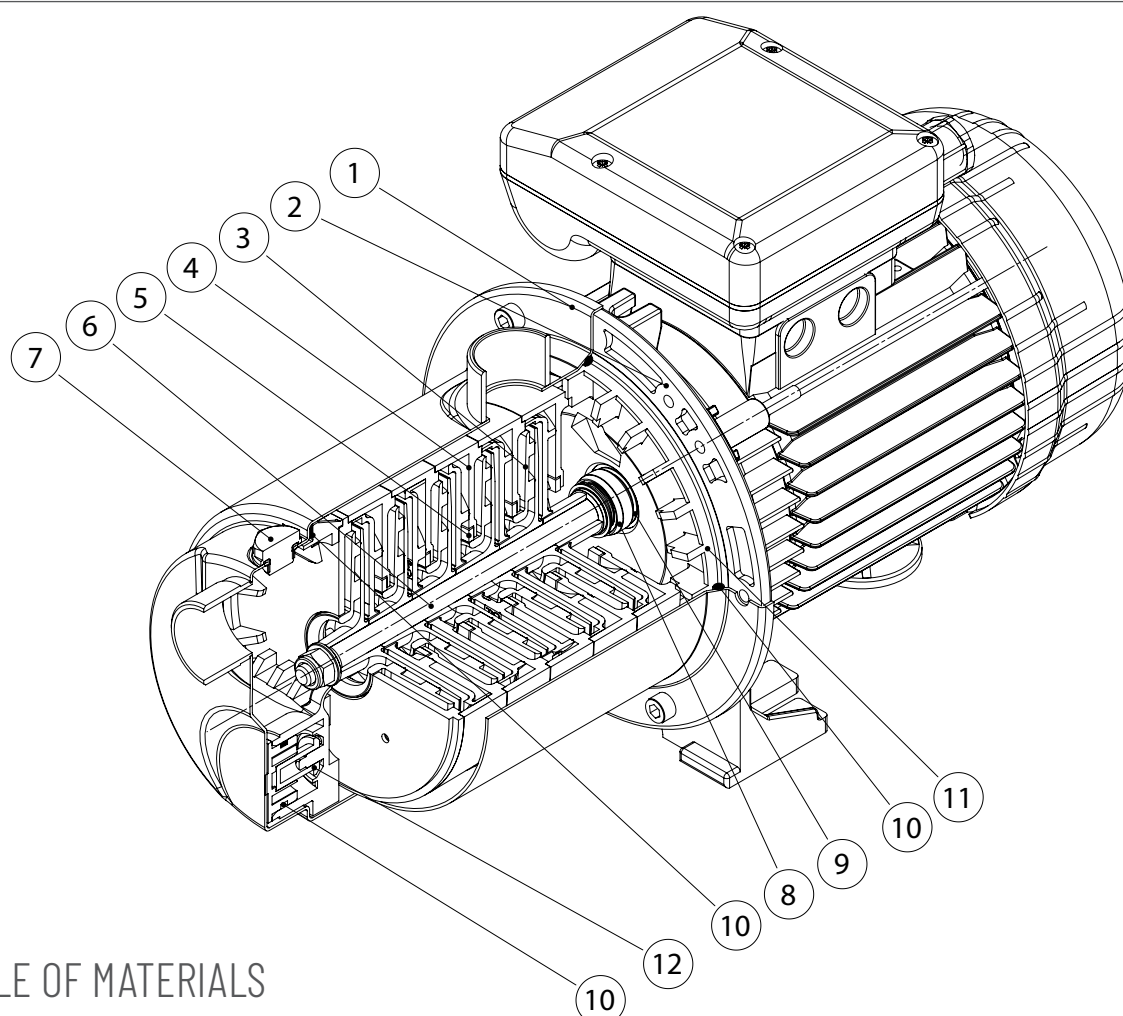
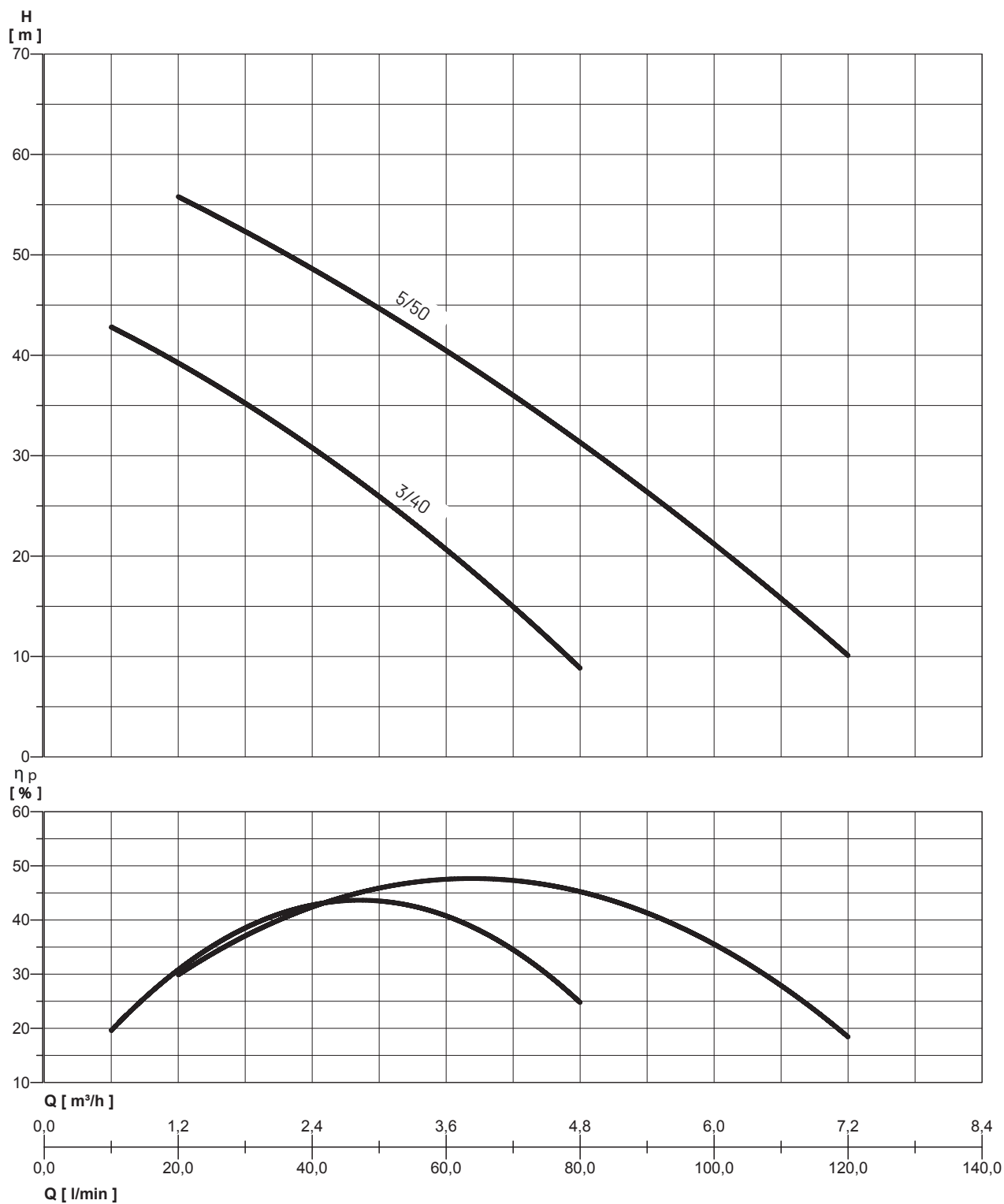


TABLE OF MATERIALS

REF.	COMPONENT	MATERIAL
1	PUMP BODY	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304
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	Stainless steel Europe: EN10088-1 X8CrNiS18-9 (1.4305) USA: AISI 303
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	SELF-PRIMING VALVE	Fibreglass reinforced PPO

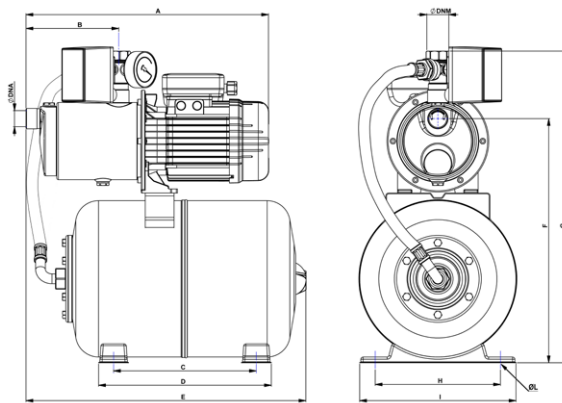
HYDRAULIC PERFORMANCE



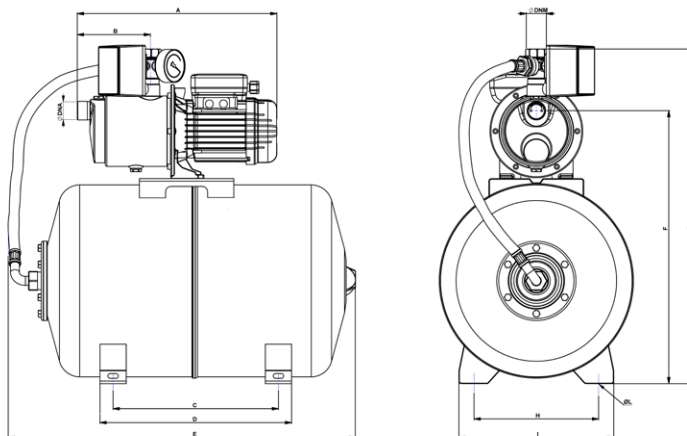
PERFORMANCE TABLE

MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	μF	Q										
	HP	kW	HP	kW					l/min	10	20	30	40	50	60	80	100	120
									m³/h	0,6	1,2	1,8	2,4	3	3,6	4,8	6	7,2
WP / Multi EVO-A 3-40 M	0,67	0,5	1,1	0,8	1 ~ 230	3,7	12,5	total head in metres water column	42,5	39,5	35,5	31	25,5	20,5	9			
WP / Multi EVO-A 3-40 M-50I	0,67	0,5	1,1	0,8	1 ~ 230	3,7	12,5											
WP / Multi EVO-A 5-50 M-SS	1,34	1	1,8	1,35	1 ~ 230	6,2	20		56	52	48,5	45	40,5	31	21,5	10		
WP / Multi EVO-A 5-50 M-50I	1,34	1	1,8	1,35	1 ~ 230	6,2	20											

24 l



50 l



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.												Weight (Kg)
	A	B	C	D	E	F	G	H	I	L	DNA	DNM	
WP / Multi EVO-A 3-40 M	380	139	245	295	495	410	530	190	240	9	1"	1"	13,6
WP / Multi EVO-A 3-40 M-50I	380	139	315	365	660	520	640	242	295	9	1"	1"	18
WP / Multi EVO-A 5-50 M-SS	422	162	248	300	490	435	540	218	272	11	1"	1"	14
WP / Multi EVO-A 5-50 M-50I	422	162	215	365	660	520	640	242	295	9	1"	1"	20,5

MULTI EVO-SP

CENTRIFUGAL MULTISTAGE ELECTRIC PUMPS - SPECIAL



Multi EVO-SP is an horizontal multistage centrifugal electric pump with an axial threaded suction port and a radial threaded outlet. The innovative, high-efficiency hydraulic system is connected to a latest generation motor with mechanical seal. Particularly suited for pumping sea and pool water.

ADVANTAGES

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

- Strong and resistant against salt water, this is the perfect partner for all pool cleaning devices
- High-level reliability - thanks to the resistant and innovative design
- Silent operation - improved user comfort thanks to its silent operation
- Compact form



SPECIFICATIONS:

PUMP

- Hydraulic performance conforms to 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 ($P_2 \geq 0.75$ kW)
- Protection class: IP55
- Insulation class: F
- Single phase power supply with permanently inserted condenser and thermal protection incorporated into motor winding

APPLICATION

- Pressurization and supply
- Irrigation
- Cleaning chlorine water pools
- Cleaning salt water pools
- Aggressive liquid pumping (depending on type of material)



DESIGN FEATURES

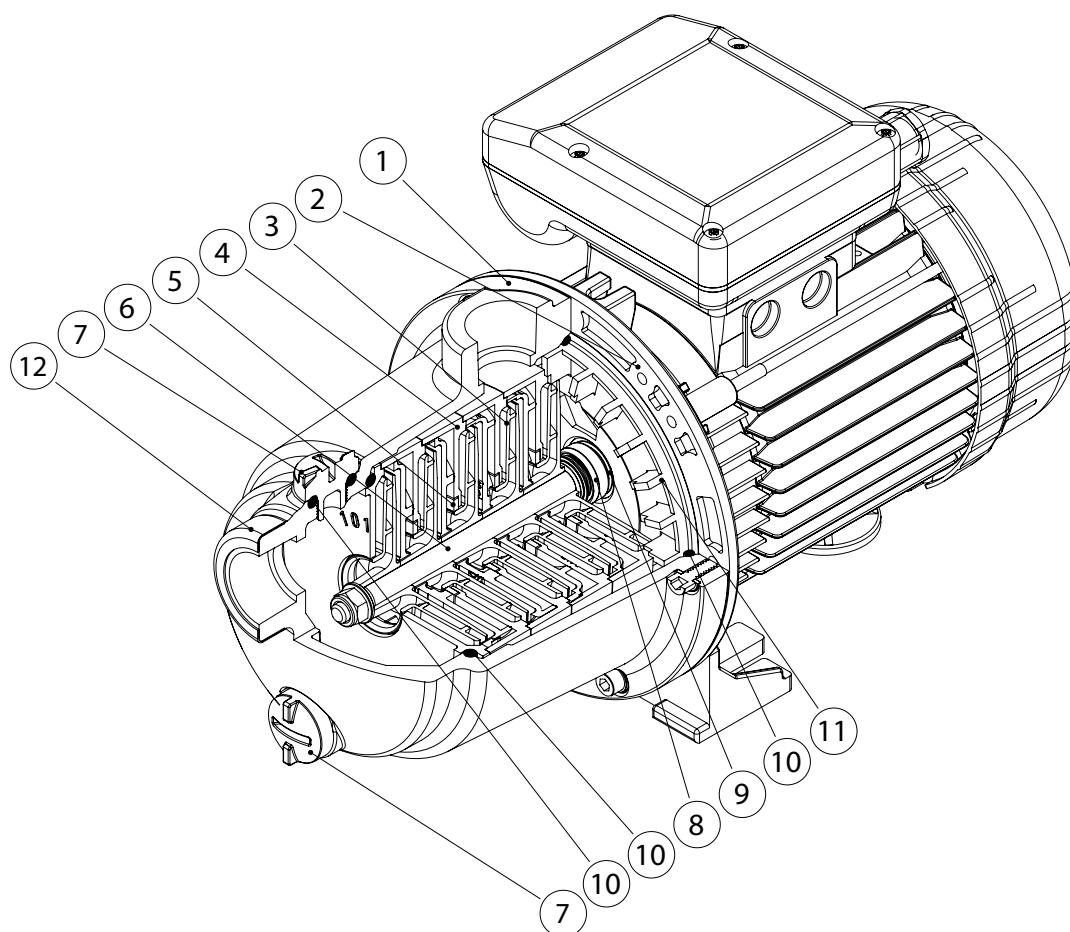
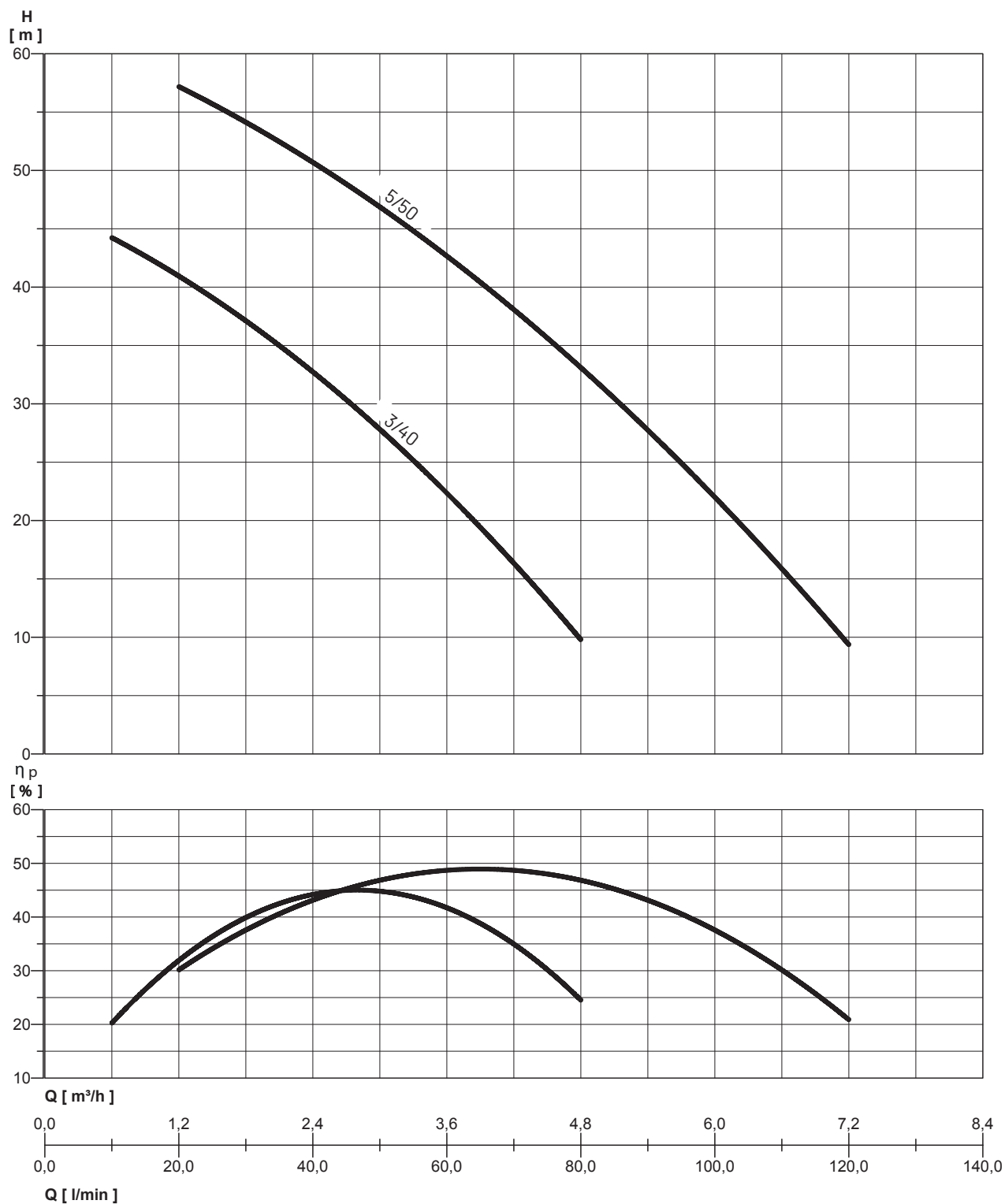


TABLE OF MATERIALS

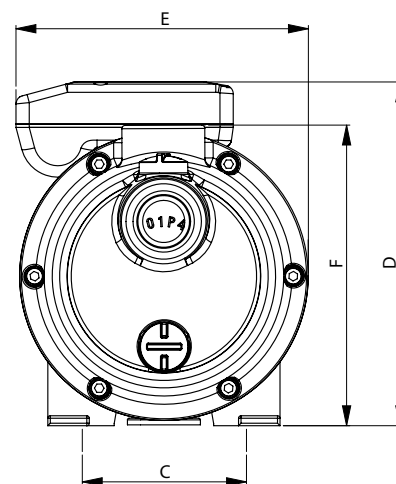
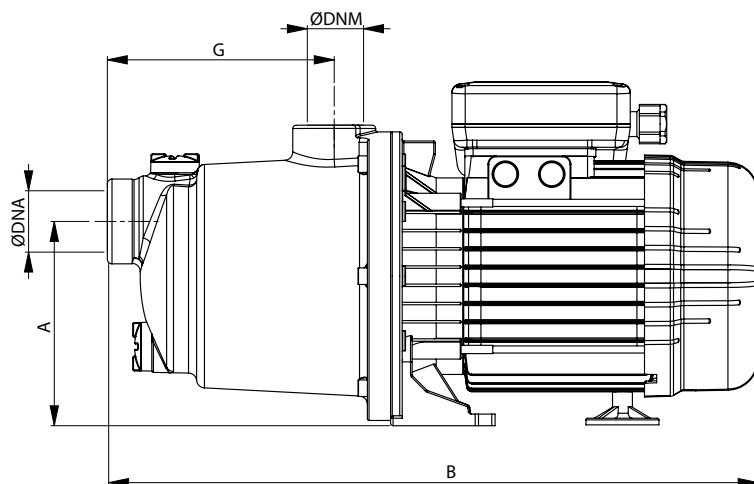
REF.	COMPONENT	MATERIAL
1	PUMP BODY	Fibreglass reinforced PPO
2	MOTOR CASING	Die-cast aluminium
3	IMPELLER	Fibreglass reinforced PPO
4	DIFFUSER	Fibreglass reinforced PPO
5	WEAR RING	PTFE
6	SHAFT (HYDRAULIC PART)	Stainless steel Europe: EN10088-1 X2CrNiMo17-12-2 (1.4404) USA: AISI 316
7	INLET / OUTLET CAPS	Polyamide 6.6
8	MECHANICAL SEAL	Carbon graphite / NBR / SS Europe: EN10088-1 X2CrNiMo17-12-2 (1.4404) USA: AISI 316
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)	µF	Q										
	HP	kW	HP	kW					l/min m³/h	10	20	30	40	50	60	80	100	120
Multi EVO-SP 3-40 M	0,74	0,55	1,1	0,8	1~230	3,7	12,5	total head in metres water column	44	41	37,5	33	27,5	22	10			
Multi EVO-SP 3-40 T	0,71	0,53	1,05	0,78	3~230/400	2,7 / 1,55	-											
Multi EVO-SP 5-50 M	1,27	0,95	1,8	1,35	1~230	6,2	20		57	54	51	47	43	32,5	22	9,5		
Multi EVO-SP 5-50 T	1,2	0,9	1,68	1,25	3~230/400	3,8 / 2,2	-											



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO-SP 3-40 M	123	373	99	199	177	182	137	1"	1"	6,9
Multi EVO-SP 3-40 T	123	373	99	199	177	182	137	1"	1"	6,9
Multi EVO-SP 5-50 M	123	392	99	207	177	182	137	1"	1"	10,1
Multi EVO-SP 5-50 T	123	392	99	207	177	182	137	1"	1"	10,1

EASY20/MULTI EVO

PRESSURE BOOSTER UNIT WITH TWO ELECTRIC PUMPS WITH PRESSURE SWITCH CONTROL

COMPACT, ROBUST, HIGH HYDRAULIC PERFORMANCE

These are units for the automatic pressurization of water supply networks with single phase electrical power supply composed of: 2 electric pumps, power board, base, intake and outlet manifold, pressure switches, gauge and outlet retainer valve.

DESCRIPTION OF OPERATION

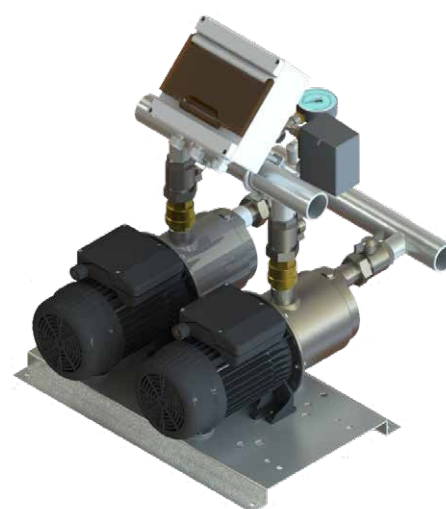
The pumps are controlled by two pressure switches with adjustable calibration, through a power board fitted with an electronic card:

- to sequentially start the pumps
- to invert the start order
- to protect against motion when dry
- with timing feature (adjustable from 0 to 180")

When the network pressure reaches the value triggering the closure of pressure switch no. 1, the first pump is started. If the pressure continues to fall, when the pressure reaches the value triggering the closure of the second pressure switch, the other pump starts. When the network pressure rises, the pressure switches open, causing the relative pump to stop. At the end of each cycle, the inverter automatically changes the pump starting order (one time pressure switch no. 1 is associated with pump no. 1; in the next cycle it will be associated with pump no. 2).

APPLICATIONS

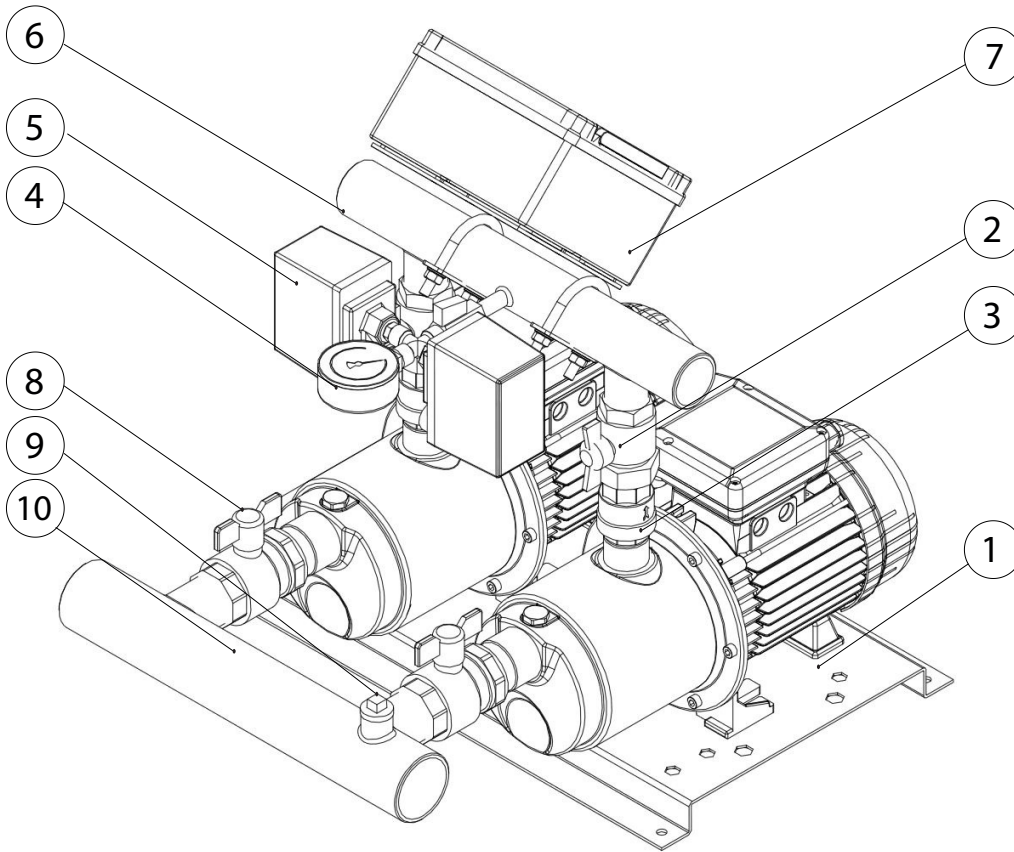
- Lifts and distributes water in domestic systems
- Pressurization systems
- Cleaning systems
- Irrigation



USE DATA	MULTIEVO
Maximum flow (m ³ /h)	21
Maximum head (m.c.a.)	70
Maximum operating pressure	8 bar
Power supply voltage	1 ~ 230 / 3~400 V
Frequency	50 Hz
Protection class control board	IP55
Protection class electric pump	IP55
Room temperature	40°C
Number of pumps	2



DESIGN FEATURES



BASE

- 1. Base in zinc-coated sheet metal

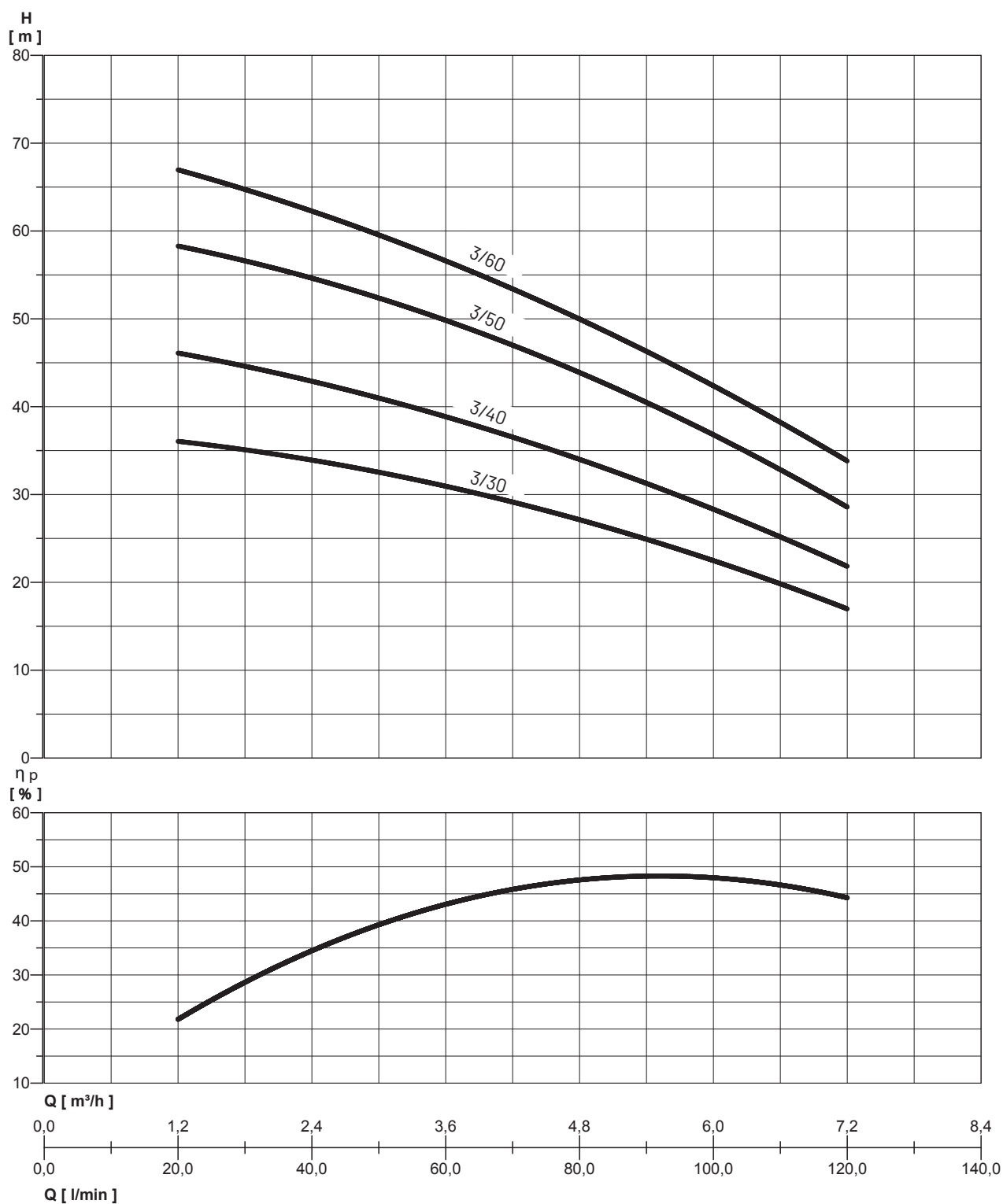
OUTLET MANIFOLD

- 2. no. 2 brass ball valves
- 3. no. 2 retainer valves
- 4. no. 1 gauge
- 5. no. 2 pressure switches
- 6. no. 1 manifold in zinc-coated steel
- 7. no. 1 power board

INTAKE MANIFOLD

- 8. no. 2 brass ball valves
- 9. no. 1 water intake sleeve
- 10. no. 1 manifold in zinc-coated steel

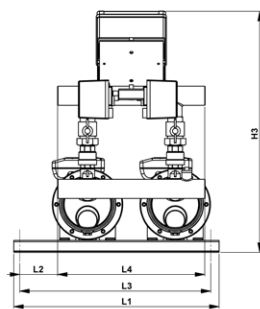
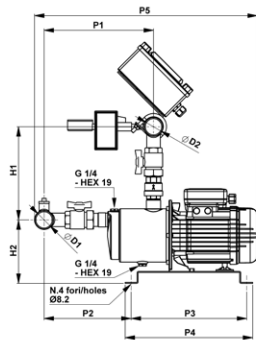
HYDRAULIC PERFORMANCE



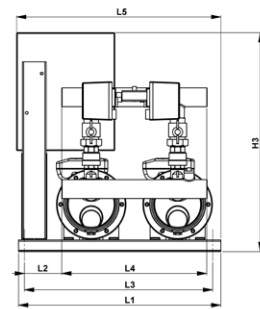
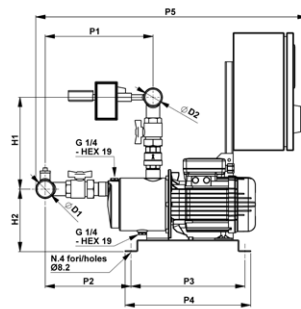
PERFORMANCE TABLE

MODEL	Absorbed power (P1) kW	Voltage (V)	In (A)	µF	0	l/min	20	40	60	80	100	120
						m³/h	1,2	2,4	3,6	4,8	6	7,2
EASY20/Multi EVO 3-30 M-GI	2 x 0,65	1 ~ 230	2 x 2,95	12,5	total head in metres water column		36	34	31	27	22,5	17
EASY20/Multi EVO 3-30 T-GI	2 x 0,65	3 ~ 400	2 x 1,3	-								
EASY20/Multi EVO 3-40 M-GI	2 x 0,8	1 ~ 230	2 x 3,7	12,5			46	43	39	34	28	22
EASY20/Multi EVO 3-40 T-GI	2 x 0,78	3 ~ 400	2 x 1,55	-								
EASY20/Multi EVO 3-50 M-GI	2 x 1	1 ~ 230	2 x 4,4	16			58	55	50	44	36	29
EASY20/Multi EVO 3-50 T-GI	2 x 1	3 ~ 400	2 x 1,9	-								
EASY20/Multi EVO 3-60 M-GI	2 x 1,25	1 ~ 230	2 x 5,8	20			67	62	57	50	42	34
EASY20/Multi EVO 3-60 T-GI	2 x 1,17	3 ~ 400	2 x 2	-								

single phase



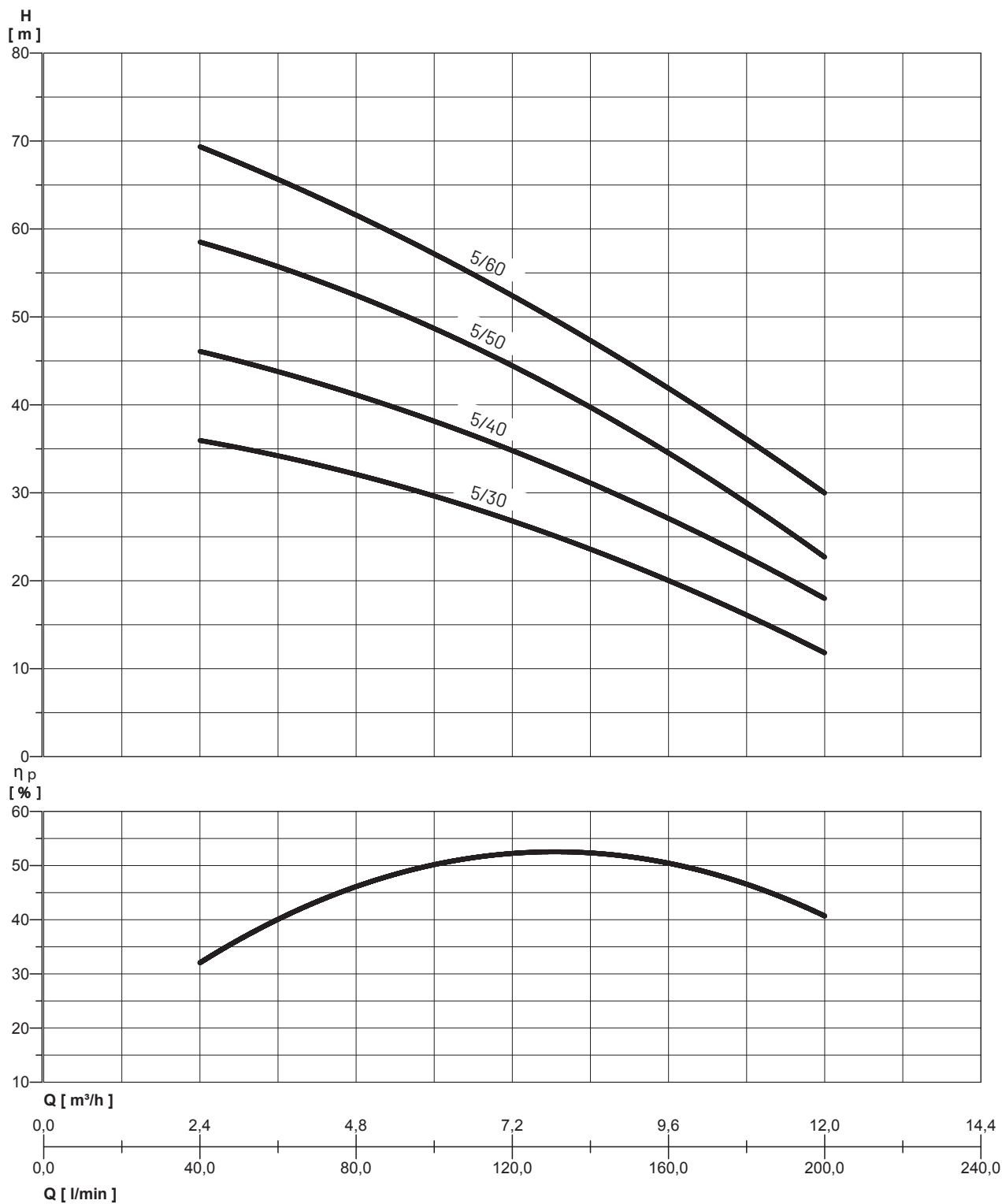
three phase



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.															Weight (Kg)
	L1	L2	L3	L4	L5	P1	P2	P3	P4	P5	H1	H2	H3	DNA	DNM	
EASY20/Multi EVO 3-30 M-GI	515	95	485	370	x	255	196	290	320	525	235	160	605	1"1/2	1"1/2	31
EASY20/Multi EVO 3-30 T-GI	515	95	485	370	520	255	196	290	320	670	235	160	560	1"1/2	1"1/2	37
EASY20/Multi EVO 3-40 M-GI	515	95	485	370	x	255	196	290	320	525	235	160	605	1"1/2	1"1/2	32
EASY20/Multi EVO 3-40 T-GI	515	95	485	370	520	255	196	290	320	670	235	160	560	1"1/2	1"1/2	38
EASY20/Multi EVO 3-50 M-GI	515	95	485	370	x	275	216	290	320	560	235	160	605	1"1/2	1"1/2	36
EASY20/Multi EVO 3-50 T-GI	515	95	485	370	520	275	216	290	320	690	235	160	560	1"1/2	1"1/2	42
EASY20/Multi EVO 3-60 M-GI	515	95	485	370	x	297	238	290	320	580	235	160	605	1"1/2	1"1/2	39,5
EASY20/Multi EVO 3-60 T-GI	515	95	485	370	520	297	238	290	320	715	235	160	560	1"1/2	1"1/2	45,5

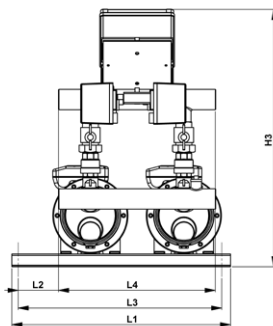
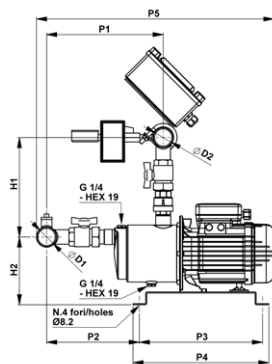
HYDRAULIC PERFORMANCE



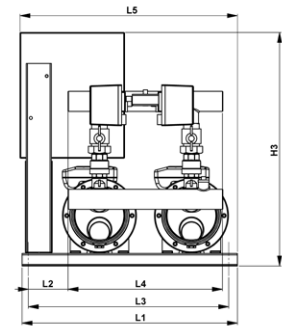
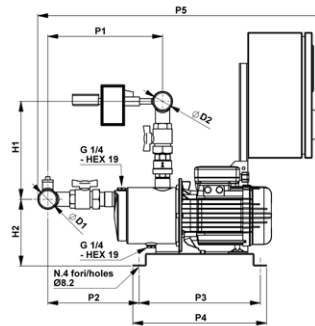
PERFORMANCE TABLE

MODEL	Absorbed power (P1) kW	Voltage (V)	In (A)	μF	Q	l/min	40	60	80	100	120	160	200
						m³/h	2,4	3,6	4,8	6	7,2	9,6	12
EASY20/Multi EVO 5-30 M-GI	2 x 0,8	1 ~ 230	2 x 3,7	12,5	total head in metres water column	36	34	32	30	27	19,5	12	
EASY20/Multi EVO 5-30 T-GI	2 x 0,78	3 ~ 400	2 x 1,55	-									
EASY20/Multi EVO 5-40 M-GI	2 x 1,1	1 ~ 230	2 x 4,7	16		46	44	41	38	35	27	18	
EASY20/Multi EVO 5-40 T-GI	2 x 1,1	3 ~ 400	2 x 2	-									
EASY20/Multi EVO 5-50 M-GI	2 x 1,35	1 ~ 230	2 x 6,2	20		58	56	53	49	44	34	23	
EASY20/Multi EVO 5-50 T-GI	2 x 1,25	3 ~ 400	2 x 2,1	-									
EASY20/Multi EVO 5-60 M-GI	2 x 1,65	1 ~ 230	2 x 7,5	31,5		69	66	62	57	52	42	30	
EASY20/Multi EVO 5-60 T-GI	2 x 1,57	3 ~ 400	2 x 3,1	-									

single phase



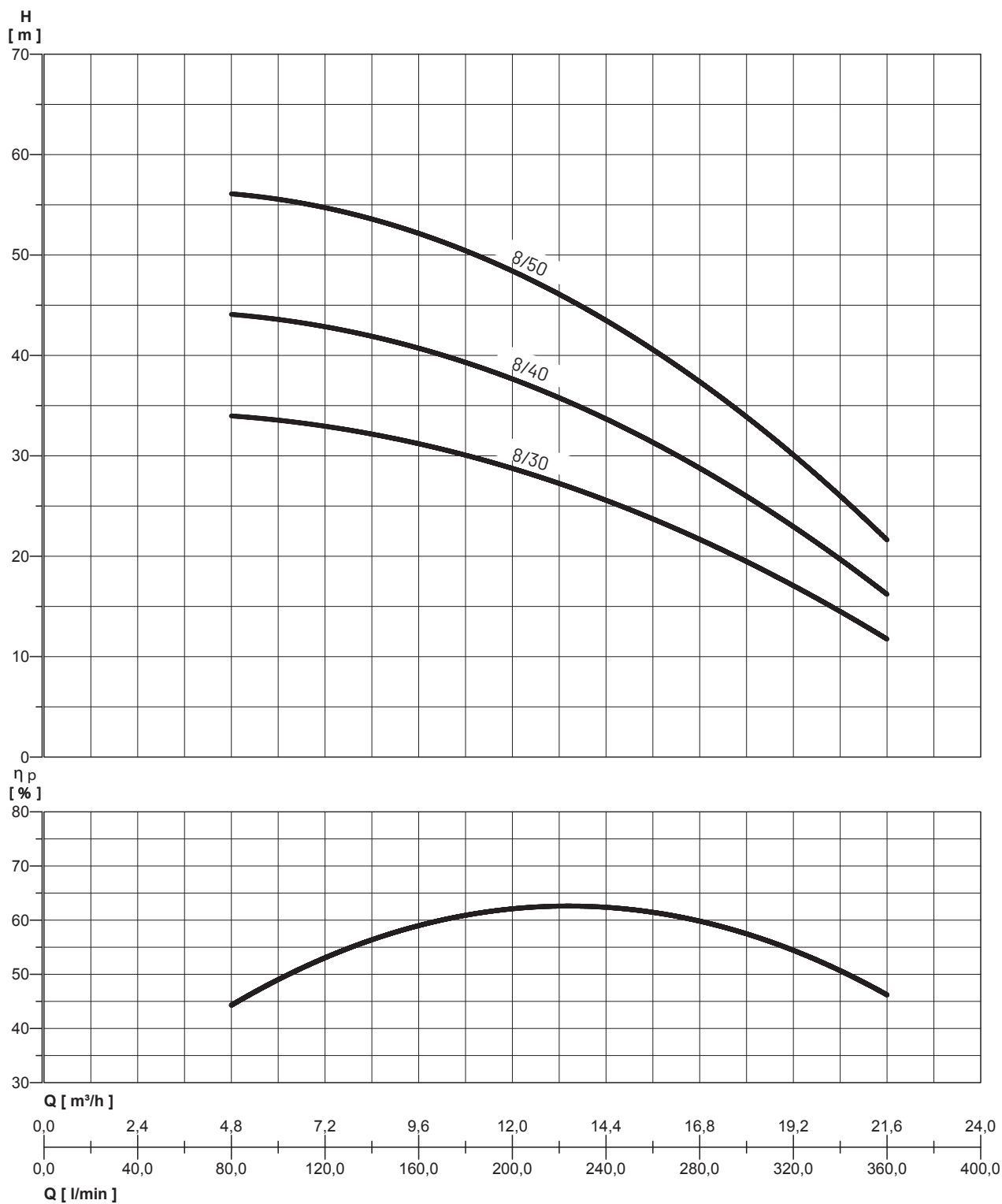
three- phase



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.															Weight (Kg)
	L1	L2	L3	L4	L5	P1	P2	P3	P4	P5	H1	H2	H3	DNA	DNM	
EASY20/Multi EVO 5-30 M-GI	515	95	485	370	x	275	222	290	320	550	240	155	605	2"	1"1/2	33,5
EASY20/Multi EVO 5-30 T-GI	515	95	485	370	520	275	222	290	320	695	240	155	560	2"	1"1/2	39,5
EASY20/Multi EVO 5-40 M-GI	515	95	485	370	x	275	222	290	320	560	240	155	605	2"	1"1/2	37
EASY20/Multi EVO 5-40 T-GI	515	95	485	370	520	275	222	290	320	695	240	155	560	2"	1"1/2	43
EASY20/Multi EVO 5-50 M-GI	515	95	485	370	x	300	247	290	320	590	240	155	605	2"	1"1/2	40
EASY20/Multi EVO 5-50 T-GI	515	95	485	370	520	300	247	290	320	695	240	155	560	2"	1"1/2	46
EASY20/Multi EVO 5-60 M-GI	515	95	485	370	x	320	267	290	320	645	240	155	605	2"	1"1/2	46
EASY20/Multi EVO 5-60 T-GI	515	95	485	370	520	320	267	290	320	745	240	155	560	2"	1"1/2	52

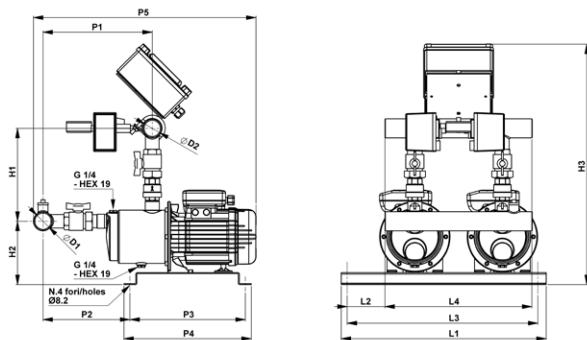
HYDRAULIC PERFORMANCE



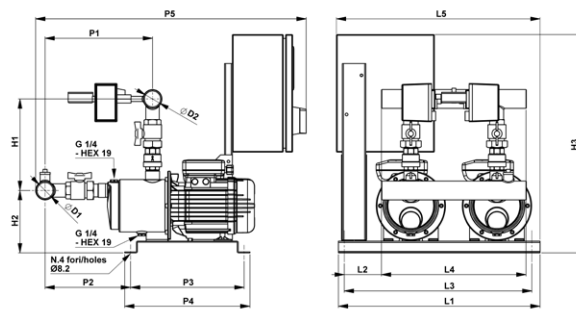
PERFORMANCE TABLE

MODEL	Absorbed power (P1) kW	Voltage (V)	In (A)	µF	Q	l/min	80	100	120	160	200	240	280	320	360
						m³/h	4,8	6	7,2	9,6	12	14,4	16,8	19,2	21,6
EASY20/Multi EVO 8-30 M-GI	2 x 1,28	1 ~ 230	2 x 5,9	20	total head in metres water column		34	33,5	33	31	29	25,5	22	16,5	12
EASY20/Multi EVO 8-30 T-GI	2 x 1,2	3 ~ 400	2 x 2,1	-											
EASY20/Multi EVO 8-40 M-GI	2 x 1,66	1 ~ 230	2 x 7,7	31,5			44,5	43,5	42,5	40,5	37,5	34	29	23	16
EASY20/Multi EVO 8-40 T-GI	2 x 1,5	3 ~ 400	2 x 2,95	-											
EASY20/Multi EVO 8-50 M-GI	2 x 2	1 ~ 230	2 x 9	35			56,5	55,5	54,5	51,5	48,5	44,0	37,5	30,0	21,5
EASY20/Multi EVO 8-50 T-GI	2 x 1,95	3 ~ 400	2 x 4	-											

single phase



three- phase



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.															Weight (Kg)
	L1	L2	L3	L4	L5	P1	P2	P3	P4	P5	H1	H2	H3	DNA	DNM	
EASY20/Multi EVO 8-30 M-GI	515	95	485	370	x	296	240	290	320	585	292	155	660	2"	2"	42
EASY20/Multi EVO 8-30 T-GI	515	95	485	370	520	296	240	290	320	718	292	155	560	2"	2"	48
EASY20/Multi EVO 8-40 M-GI	515	95	485	370	x	296	240	290	320	620	292	155	660	2"	2"	48
EASY20/Multi EVO 8-40 T-GI	515	95	485	370	520	296	240	290	320	718	292	155	560	2"	2"	54
EASY20/Multi EVO 8-50 M-GI	515	95	485	370	x	325	275	290	320	645	292	155	660	2"	2"	50
EASY20/Multi EVO 8-50 T-GI	515	95	485	370	520	325	275	290	320	745	292	155	560	2"	2"	56

VARIO 1-20/MULTI EVO-E

PRESSURE BOOSTER UNIT WITH TWO VARIABLE SPEED ELECTRIC PUMPS

COMPACT, ROBUST, HIGH HYDRAULIC PERFORMANCE

The new series of VARIO 1-20 variable speed pressurization units represent a reliable, easy-to-use solution in residential and commercial applications. The system consists in the parallel installation of two inverters, incorporated directly onto the motor of each installed electric pump. The two frequency converters communicate and alternate the starting order of each operating cycle, maintaining a constant pressure in the distribution system.

APPLICATIONS

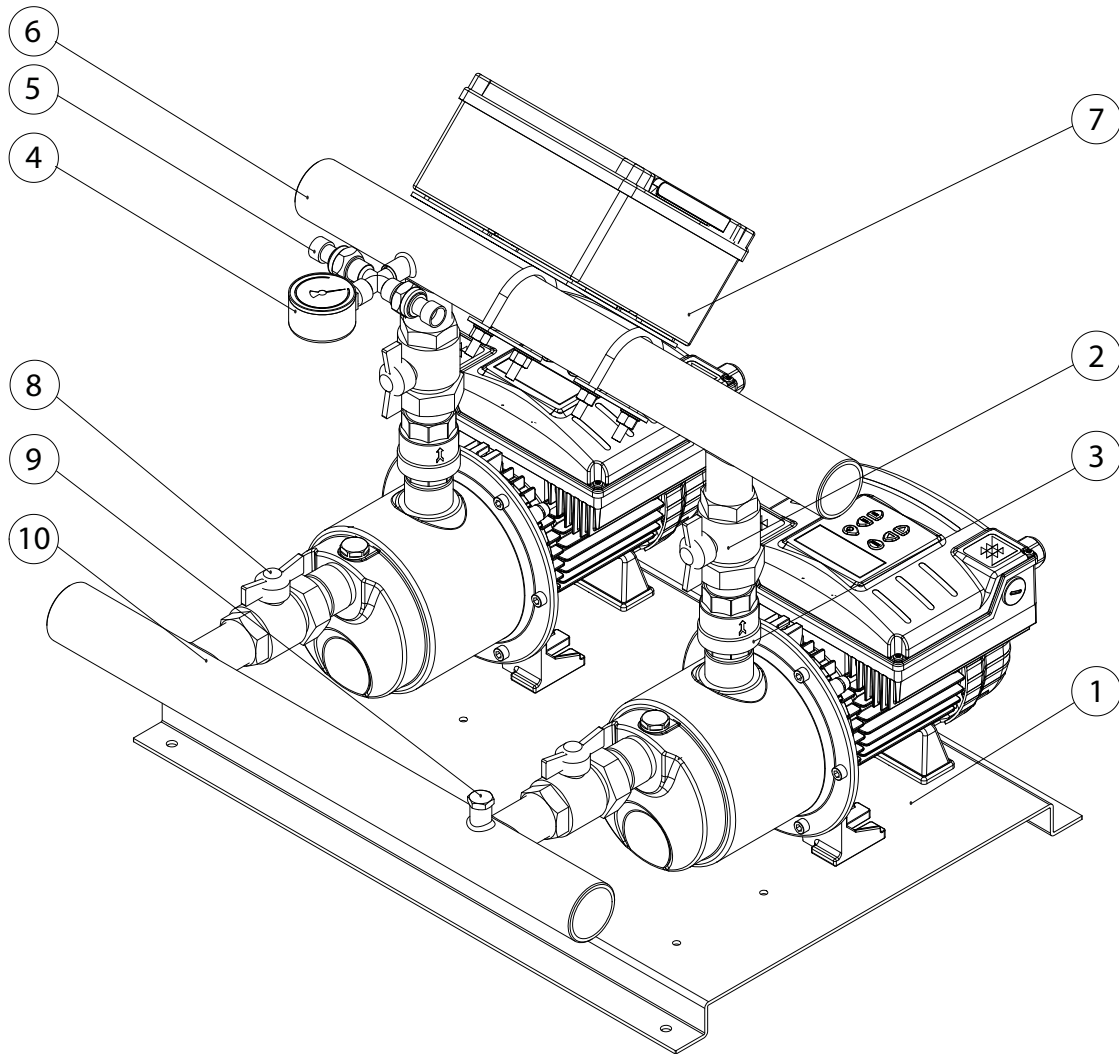
- Lifts and distributes water in domestic systems
- Pressurization systems
- Cleaning systems
- Irrigation



USE DATA	MULTIEVO
Maximum flow (m ³ /h)	21
Maximum head (m.c.a.)	70
Maximum operating pressure	8 bar
Power supply voltage	1 ~ 230 V
Frequency	50 Hz
Protection class control board	IP55
Protection class electric pump	IP55
Room temperature	40°C
Number of pumps	2



DESIGN FEATURES



BASE

- 1. Base in zinc-coated sheet metal

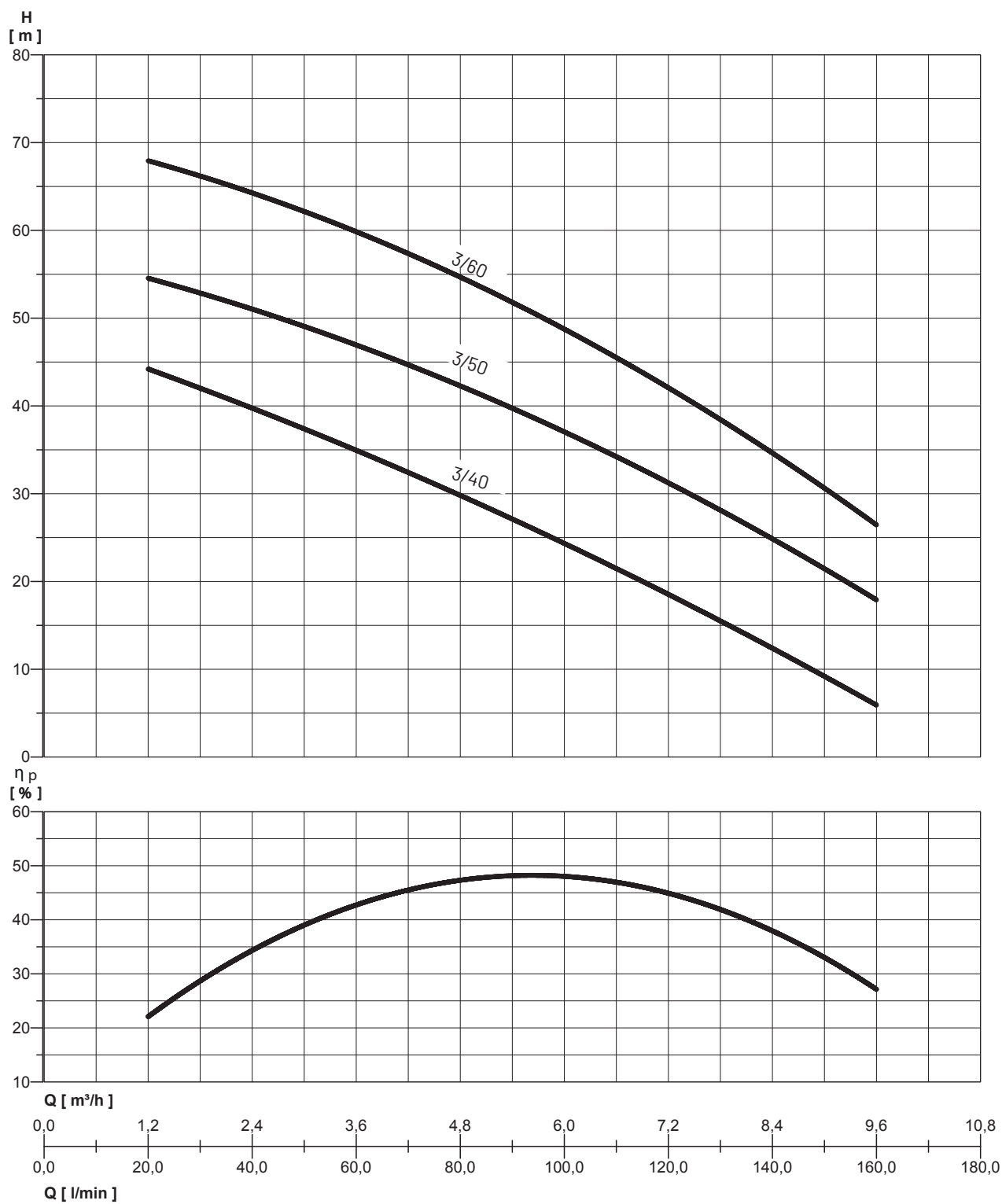
OUTLET MANIFOLD

- 2. n. 2 brass ball valves
- 3. n. 2 retainer valves
- 4. n. 1 gauge
- 5. n. 2 pressure sensors
- 6. n. 1 manifold in zinc-coated steel
- 7. n. 1 power board with thermal magnetic circuit breaker protection

INTAKE MANIFOLD

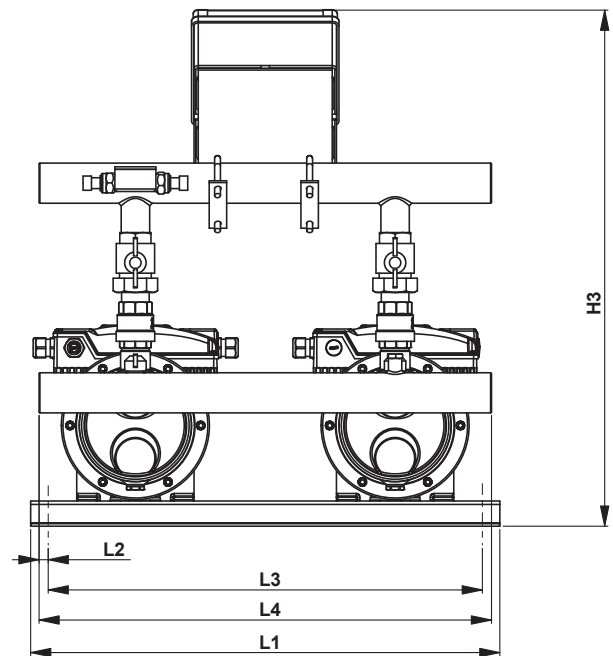
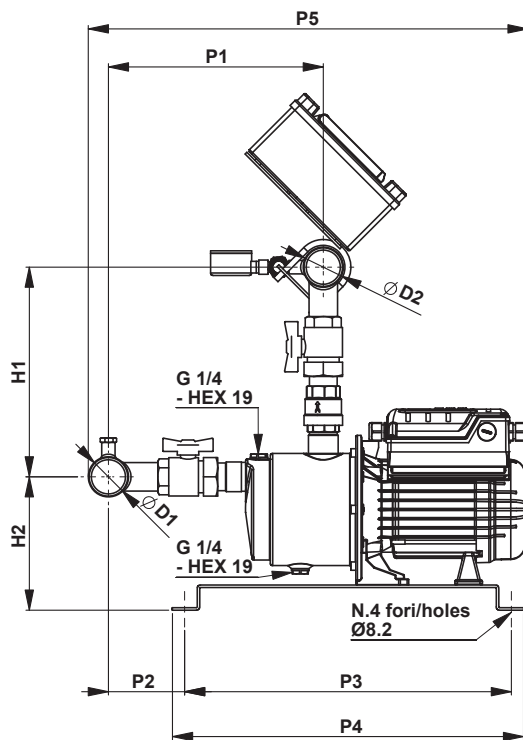
- 8. n. 2 brass ball valves
- 9. n. 1 water intake sleeve
- 10. n. 1 manifold in zinc-coated steel

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

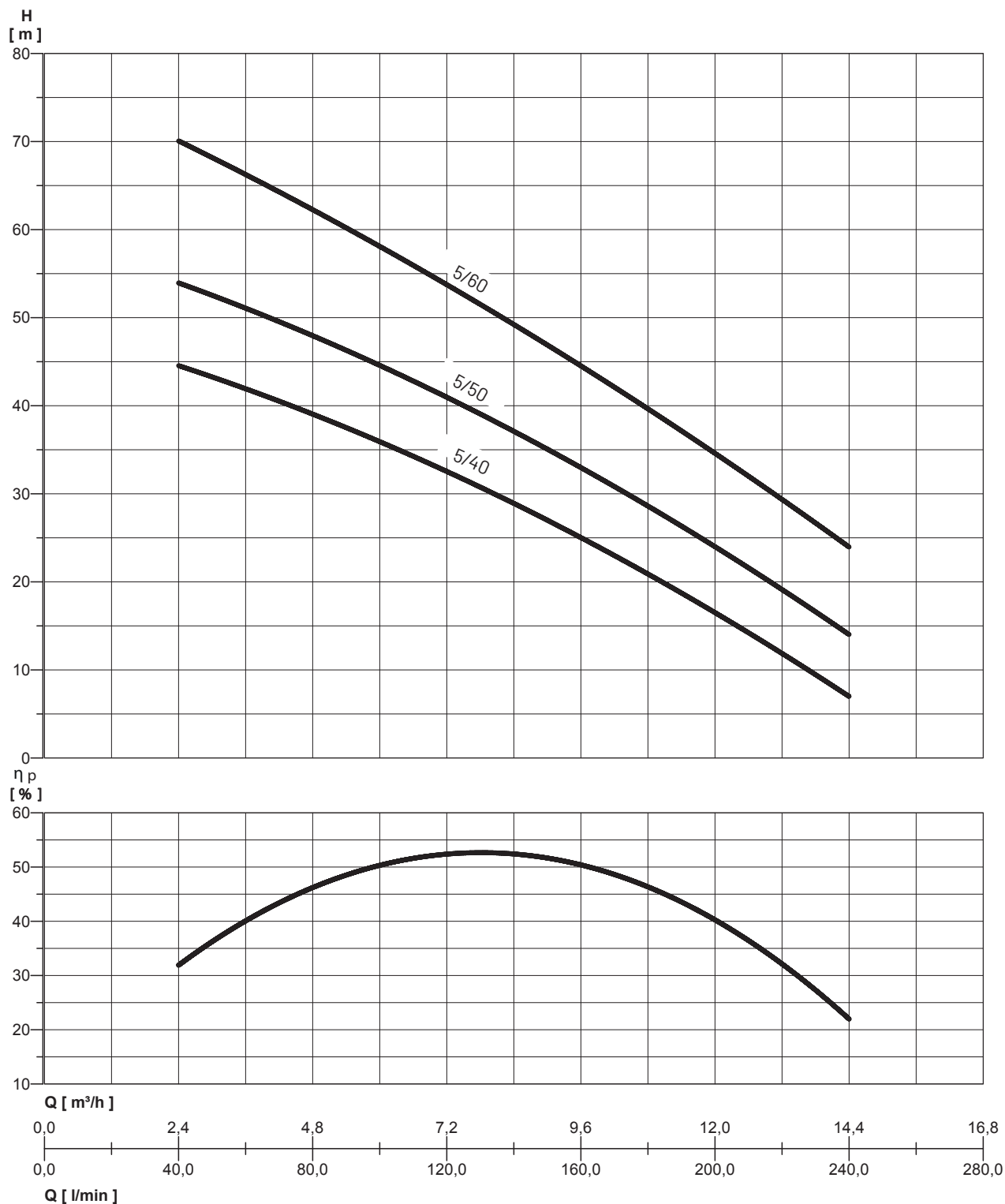
MODEL	Absorbed power (P1) kW	Voltage (V)	In (A)	μF	Q	l/min m³/h	20	40	60	80	100	120	160
							1,2	2,4	3,6	4,8	6	7,2	9,6
VARIO1-20/Multi EVO-E 3-40	2 x 0,8	1~230	2 x 5,3	-	total head in metres water column	44	40	35	30	24	18,5	6	
VARIO1-20/Multi EVO-E 3-50	2 x 1	1~230	2 x 7	-		54,5	51	47	42,5	37	31	18	
VARIO1-20/Multi EVO-E 3-60	2 x 1,35	1~230	2 x 8,7	-		68	64	60	55	48,5	42	26,5	



OVERALL DIMENSIONS AND WEIGHTS

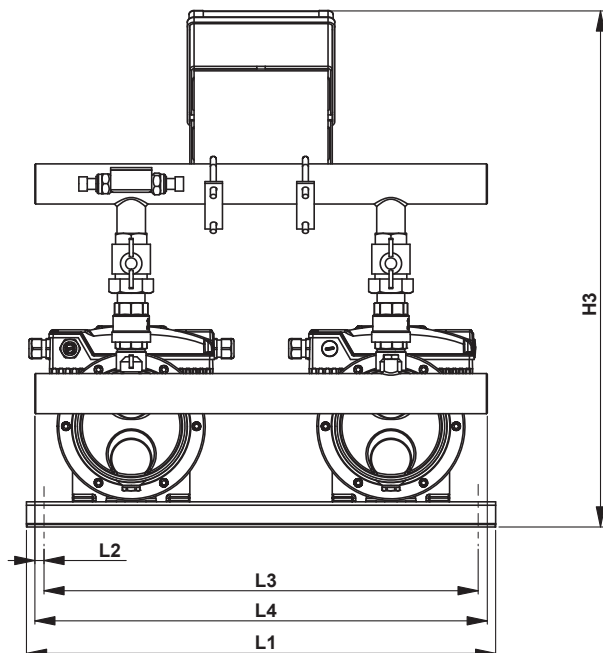
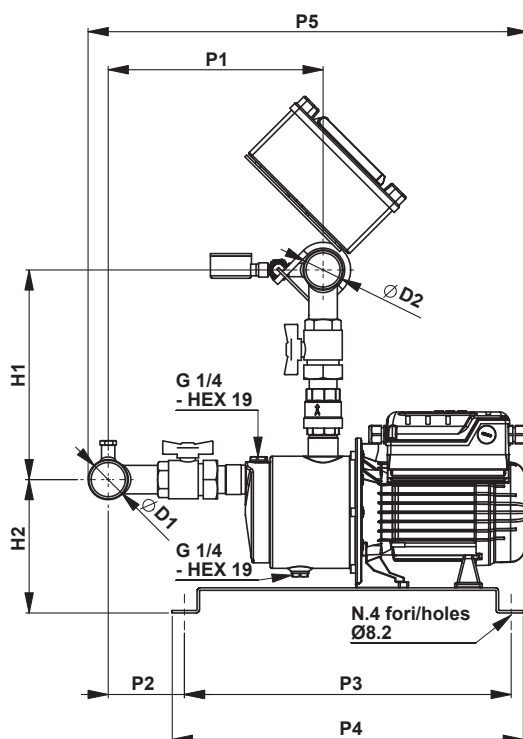
MODEL	Dimensions mm.														Weight (Kg)
	L1	L2	L3	L4	P1	P2	P3	P4	P5	H1	H2	H3	ØD1	ØD2	
VARIO1-20/Multi EVO-E 3-40	560	15	510	540	257	91	390	420	523	250	160	615	1"1/2	1"1/2	45,6
VARIO1-20/Multi EVO-E 3-50	560	15	510	540	280	113	390	420	567	250	160	615	1"1/2	1"1/2	49,6
VARIO1-20/Multi EVO-E 3-60	560	15	510	540	302	136	390	420	589	250	160	615	1"1/2	1"1/2	53

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

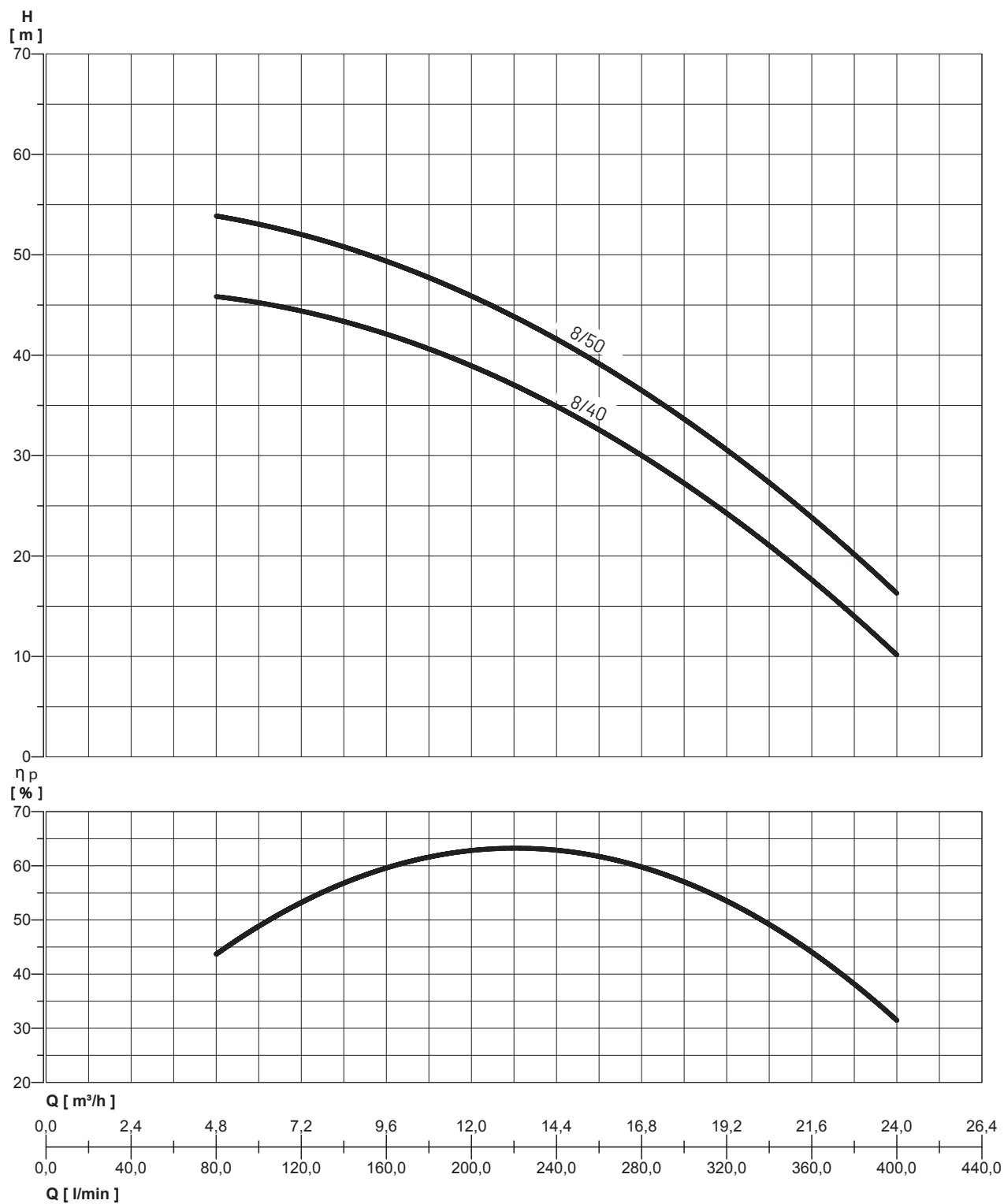
MODEL	Absorbed power (P1) kW	Voltage (V)	In (A)	μF	0	I/min	40	60	80	100	120	160	200	240
						m³/h	2,4	3,6	4,8	6	7,2	9,6	12	14,4
VARIO1-20/Multi EVO-E 5-40	2 x 1	1 ~ 230	2 x 7	-	total head in metres water column	44,5	42	39	36	32,5	25	16,5	7	
VARIO1-20/Multi EVO-E 5-50	2 x 1,25	1 ~ 230	2 x 8,5	-		54	51	48	44,5	41	33	24	14	
VARIO1-20/Multi EVO-E 5-60	2 x 1,8	1 ~ 230	2 x 11,5	-		70	66,5	62	58	54	44,5	34,5	24	



OVERALL DIMENSIONS AND WEIGHTS

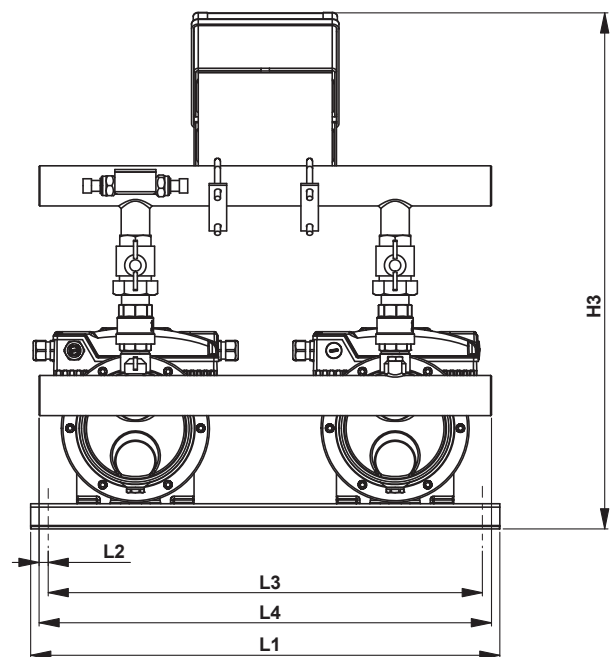
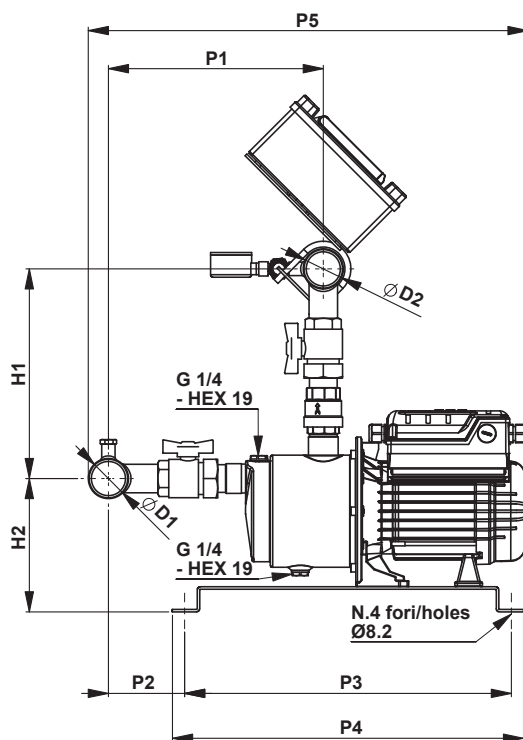
MODEL	Dimensions mm.														Weight (Kg)
	L1	L2	L3	L4	P1	P2	P3	P4	P5	H1	H2	H3	ØD1	ØD2	
VARIO1-20/Multi EVO-E 5-40	560	15	510	540	283	119	390	420	574	255	155	615	2"	1 1/2"	49
VARIO1-20/Multi EVO-E 5-50	560	15	510	540	305	141	390	420	596	255	155	615	2"	1 1/2"	52,2
VARIO1-20/Multi EVO-E 5-60	560	15	510	540	327	163	390	420	653	255	155	615	2"	1 1/2"	56,4

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

MODEL	Absorbed power (P1) kW	Voltage (V)	In (A)	μF	0	l/min	80	100	120	160	200	240	280	320	360	400
						m ³ /h	4,8	6	7,2	9,6	12	14,4	16,8	19,2	21,6	24
VARIO1-20/Multi EVO-E 8-40	2 x 1,6	1 ~ 230	2 x 10,2	-	total head in metres water column	46	45	44,5	42	39	35	30	24	18	10	
VARIO1-20/Multi EVO-E 8-50	2 x 2	1 ~ 230	2 x 12,5	-		54	53	52	49	46	42	36,5	30,5	23,5	16,5	



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.														Weight (Kg)
	L1	L2	L3	L4	P1	P2	P3	P4	P5	H1	H2	H3	ØD1	ØD2	
VARIO1-20/Multi EVO-E 8-40	560	15	510	540	300	136	390	420	623	300	155	660	2"	2"	58
VARIO1-20/Multi EVO-E 8-50	560	15	510	540	327	163	390	420	653	300	155	660	2"	2"	60,2



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