

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

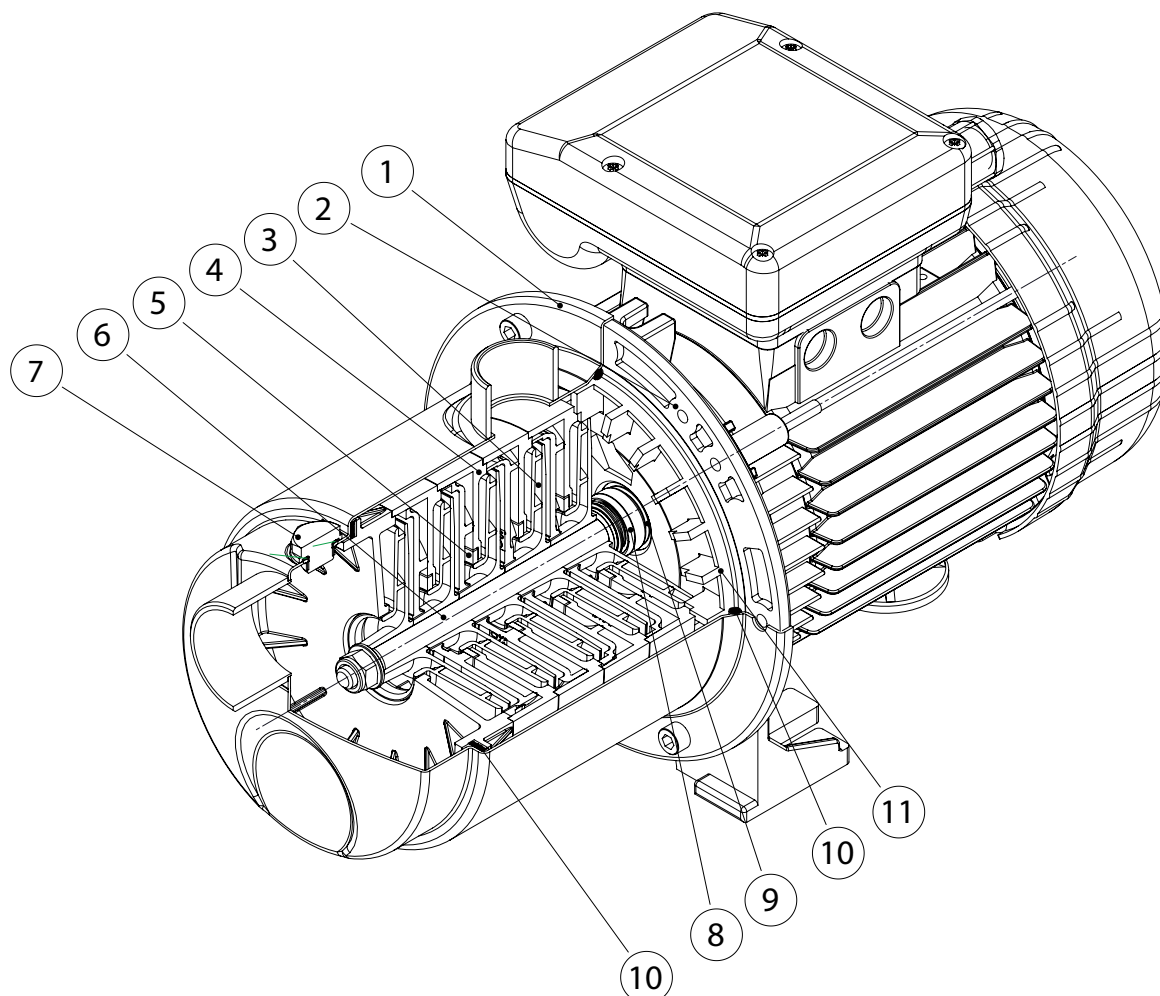
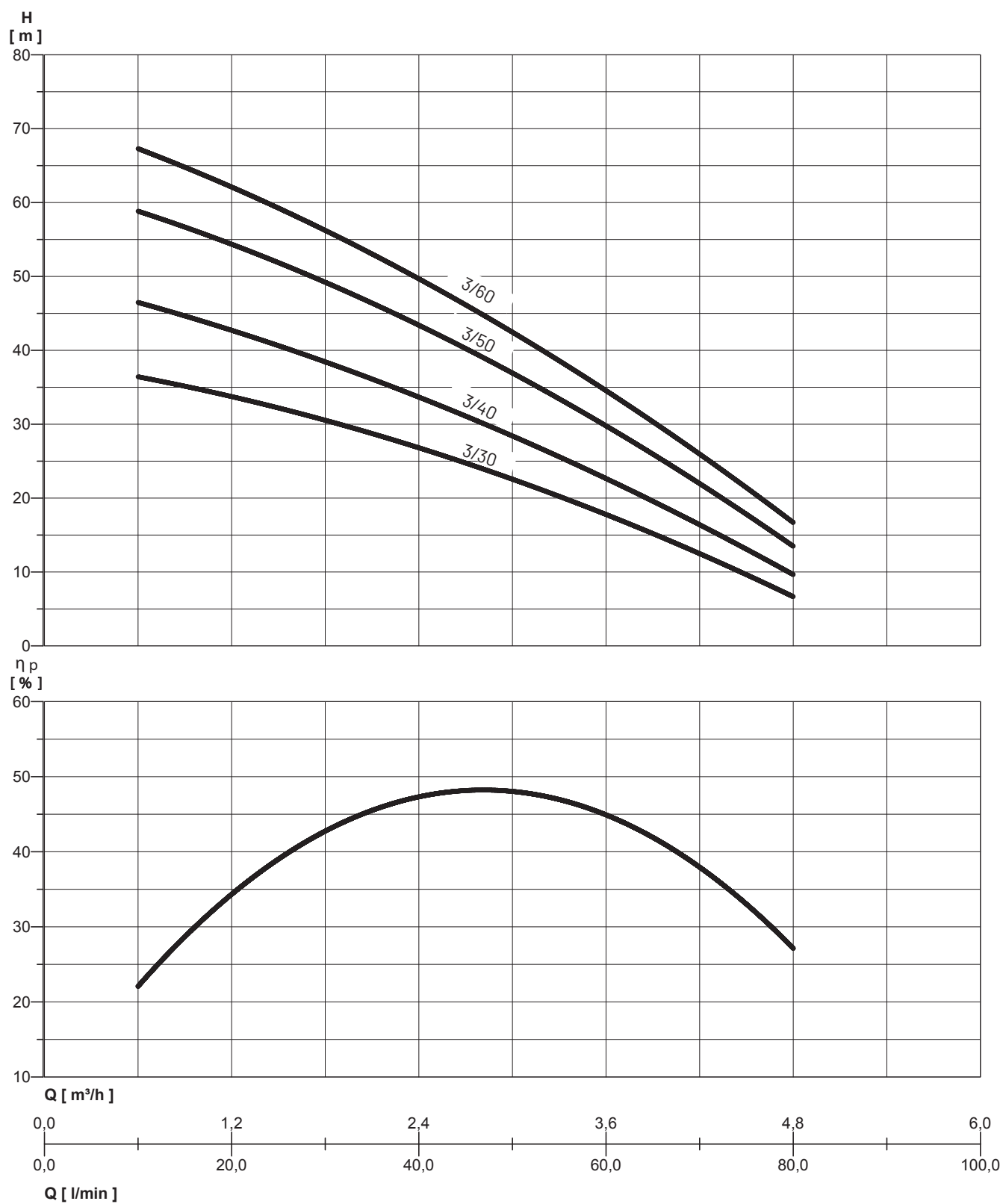


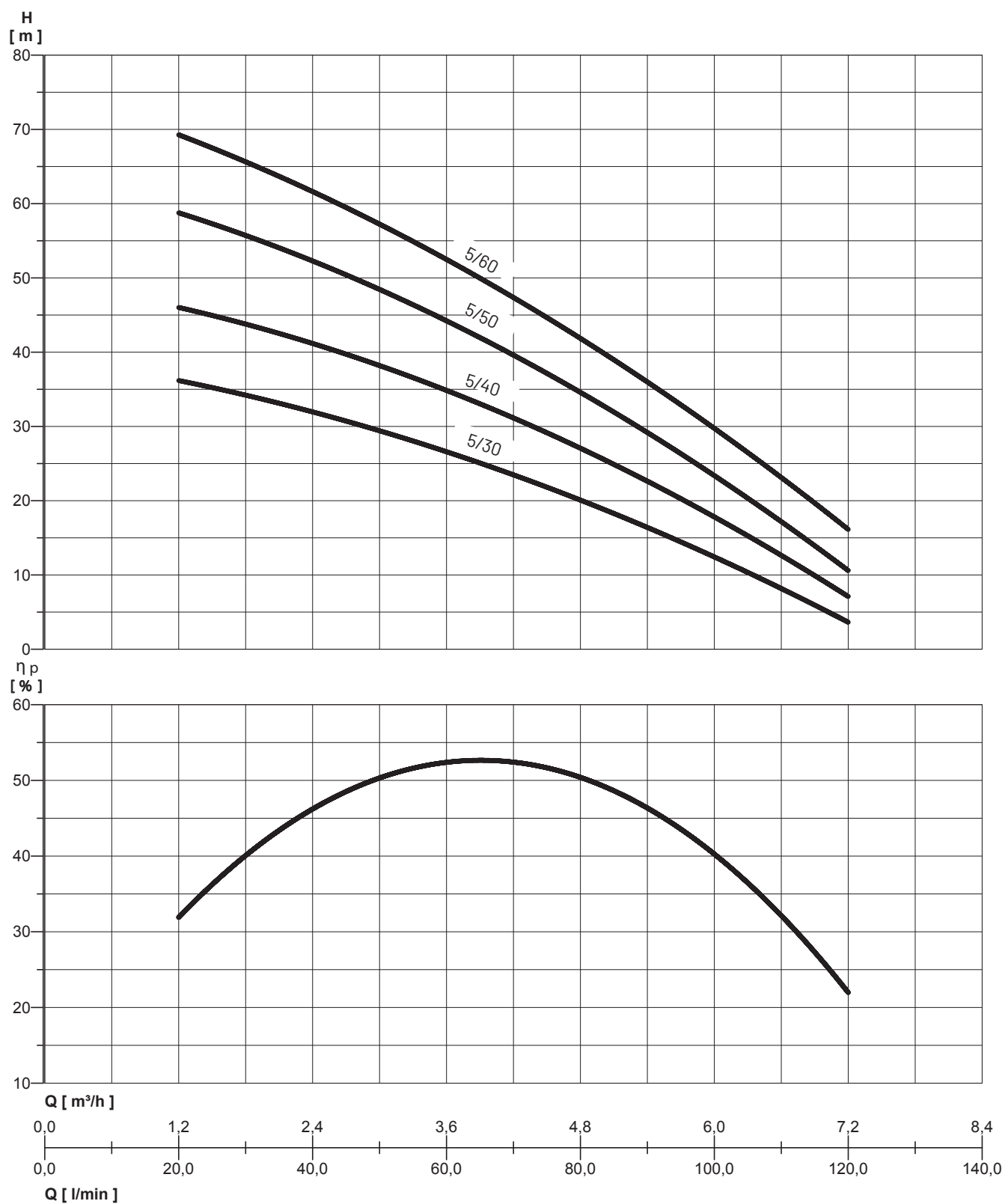
TABLE OF MATERIALS

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



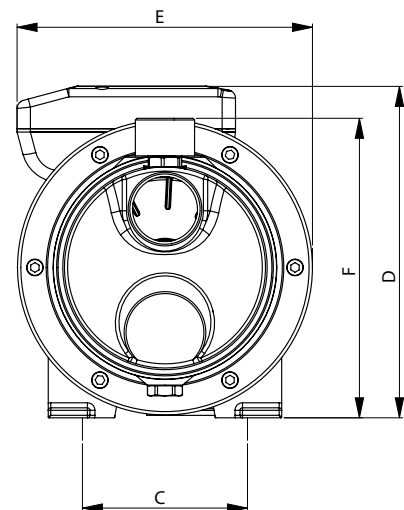
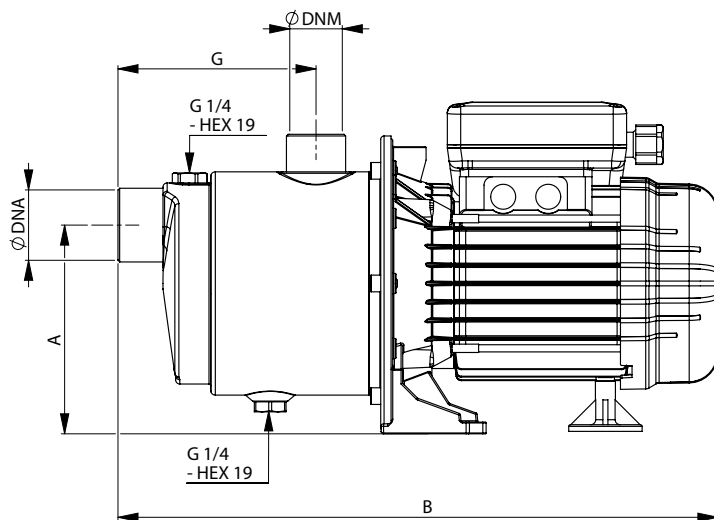
HYDRAULIC PERFORMANCE



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			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	-										
Multi EVO 5-40 M	1	0,75	1,5	1,1	1 ~ 230	4,7	16			46	44	41	38	35	27	18	7
Multi EVO 5-40 T	1	0,75	1,5	1,1	3 ~ 230/400	3,5 / 2	-										
Multi EVO 5-50 M	1,27	0,95	1,8	1,35	1 ~ 230	6,2	20			58	56	53	49	44	34	23	11
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			69	66	62	57	52	42	30	16
Multi EVO 5-60 T	1,6	1,2	2,1	1,57	3 ~ 230/400	5,3 / 3,1	-										

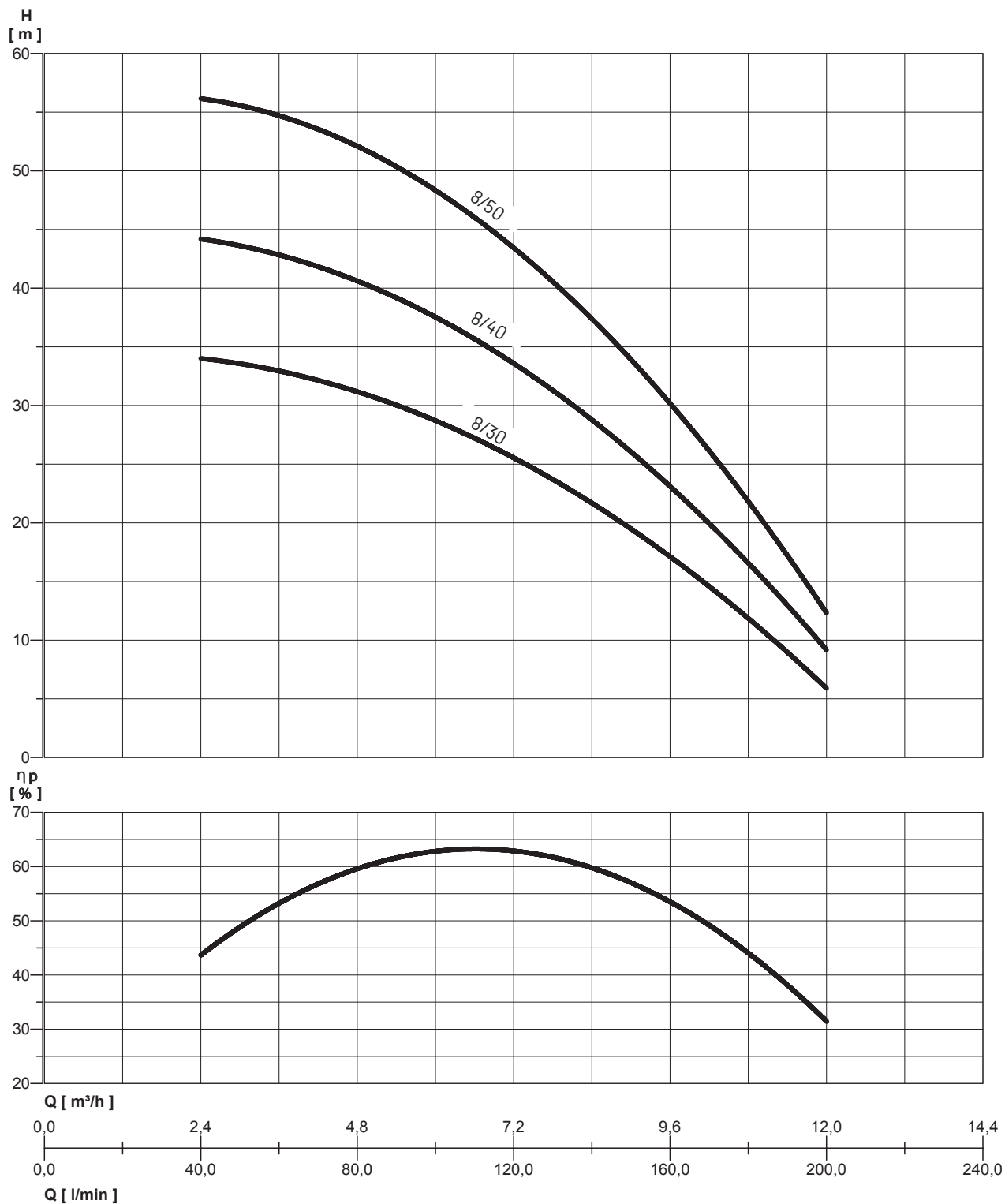
total head
in metres water column



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

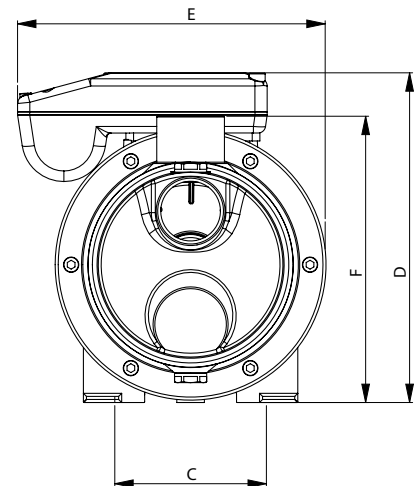
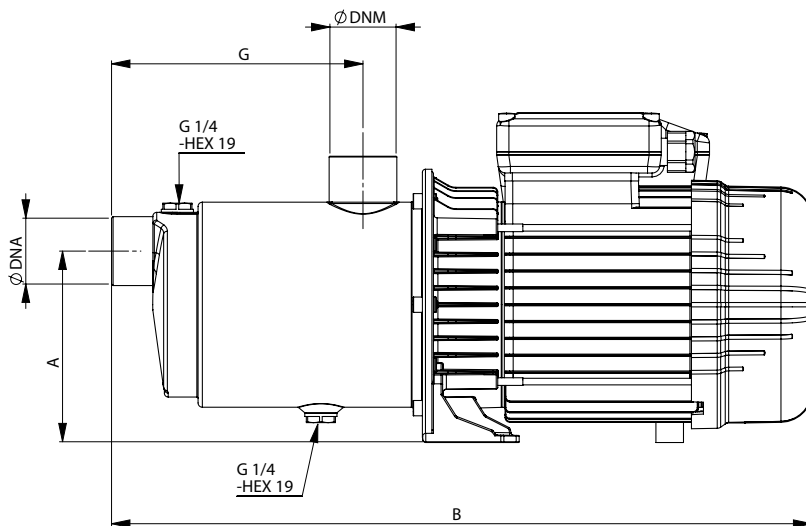


PERFORMANCE TABLE

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

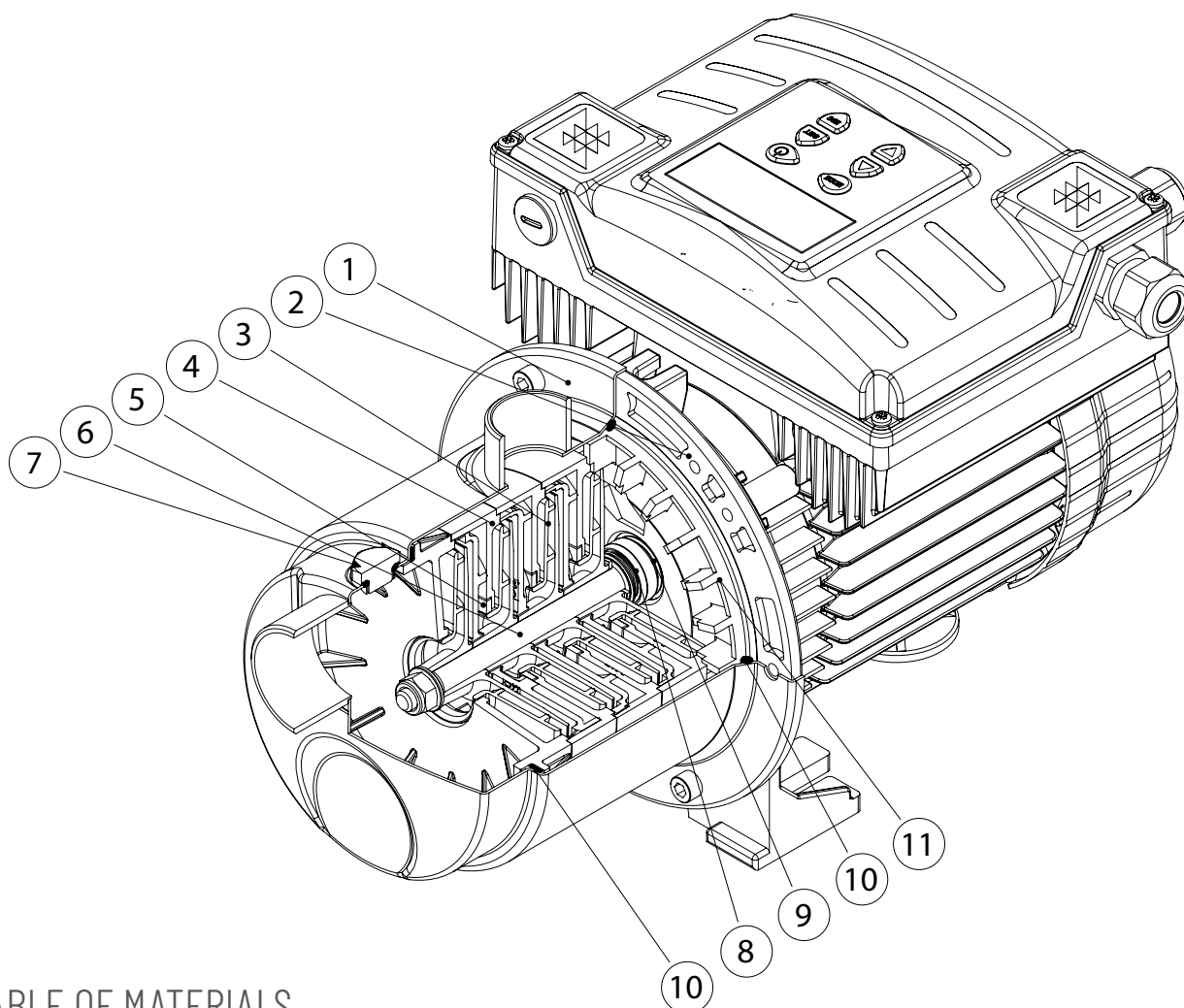
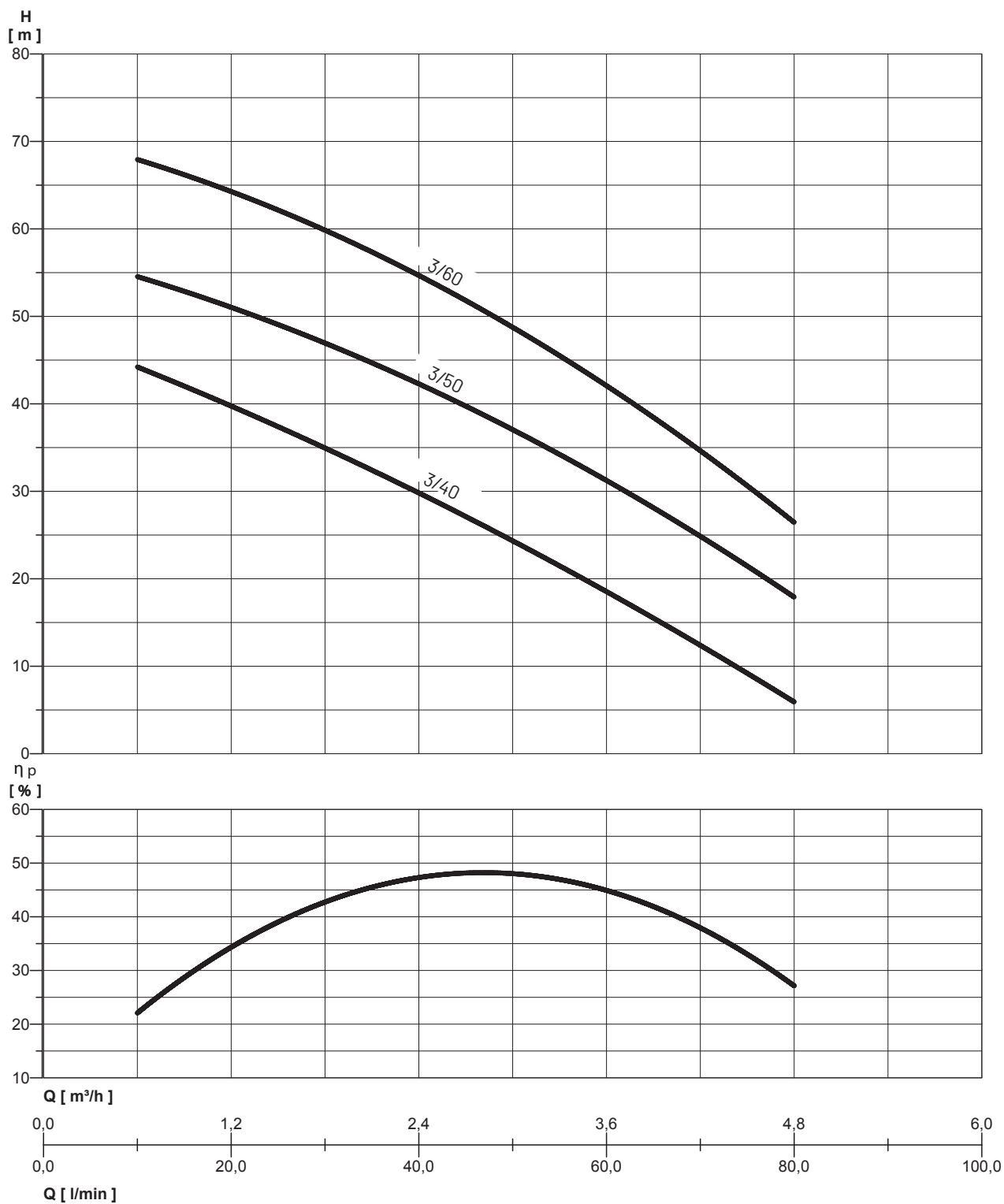


TABLE OF MATERIALS

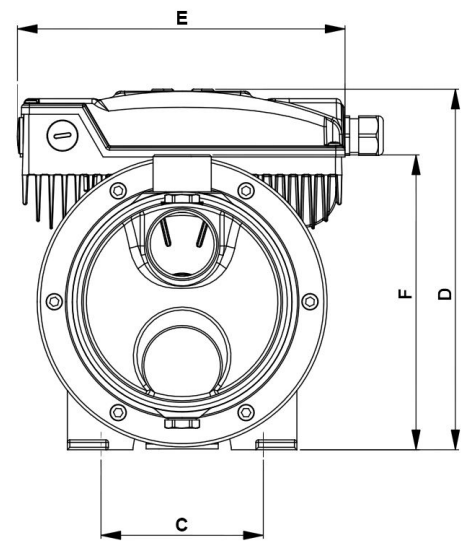
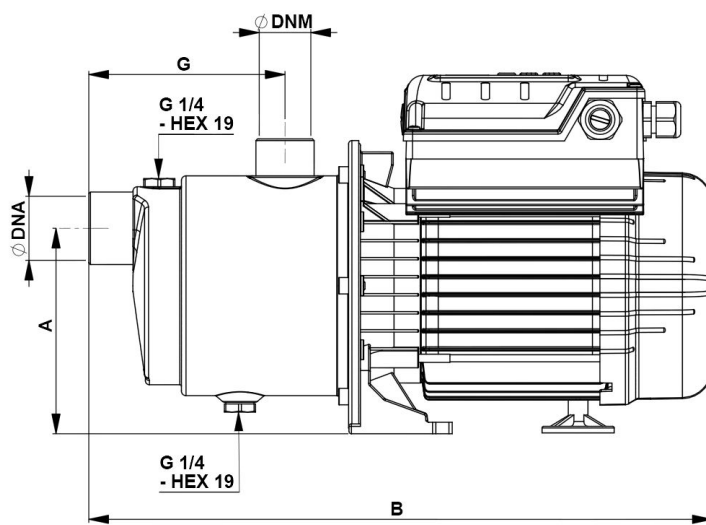
REF.	COMPONENT	MATERIAL
1	PUMP BODY	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304
2	MOTOR CASING	Die-cast aluminium
3	IMPELLER	Fibreglass reinforced PPO
4	DIFFUSER	Fibreglass reinforced PPO
5	WEAR RING	PTFE
6	SHAFT (HYDRAULIC PART)	Stainless steel Europe: EN10088-1 X5CrNi18-10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

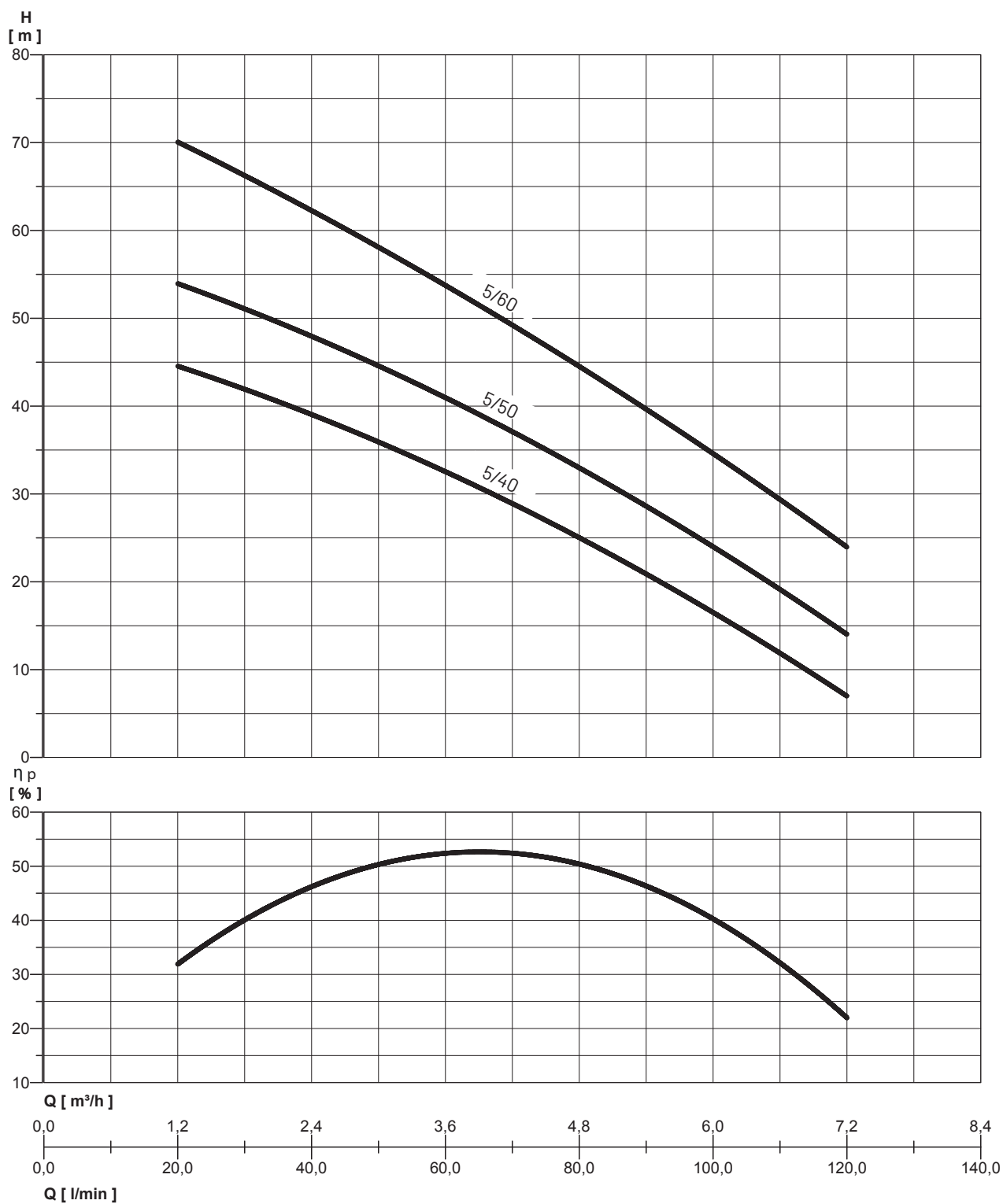
MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	Q	l/min m³/h	10	20	30	40	50	60	80
	HP	kW	HP	kW					0,6	1,2	1,8	2,4	3	3,6	4,8
Multi EVO-E 3-40	0,74	0,55	1,1	0,8	1 ~ 230	5,3	total head in metres water column	44	40	35	30	24	18,5	6	
Multi EVO-E 3-50	1	0,75	1,34	1	1 ~ 230	7		54,5	51	47	42,5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

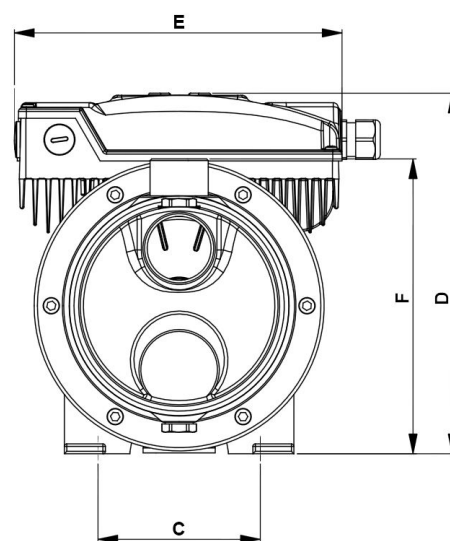
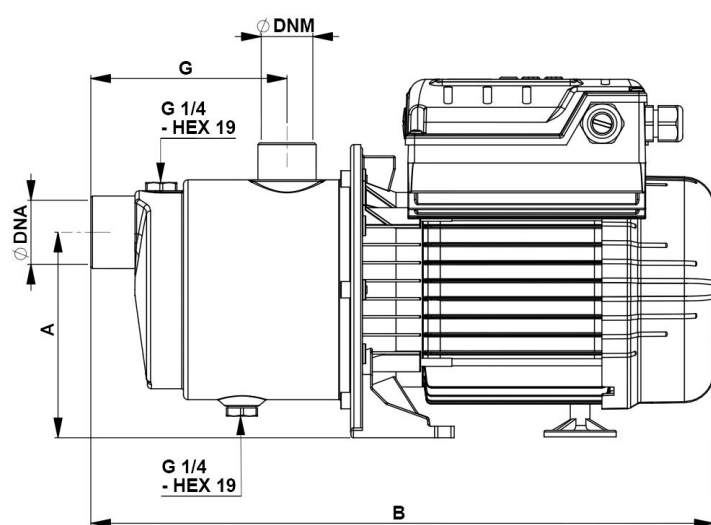
MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO-E 3-40	129	360	100	211	198	180	116	1"	1"	10
Multi EVO-E 3-50	129	377	100	220	198	180	116	1"	1"	12,1
Multi EVO-E 3-60	129	377	100	220	198	180	116	1"	1"	13,4

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

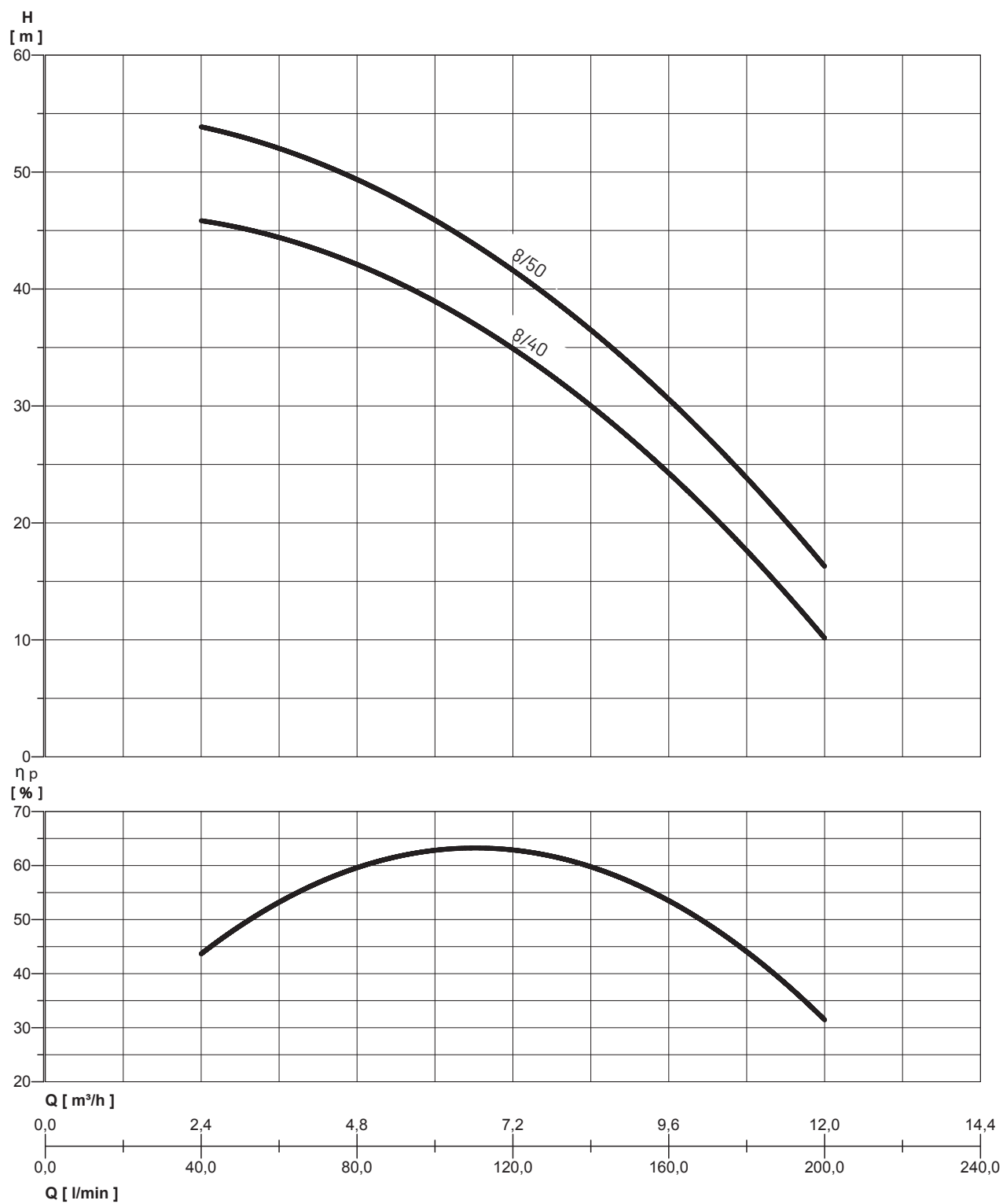
MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	0	l/min m³/h	20	30	40	50	60	80	100	120
	HP	kW	HP	kW					1,2	1,8	2,4	3	3,6	4,8	6	7,2
Multi EVO-E 5-40	1	0,75	1,34	1	1~230	7	total head in metres water column	44,5	42	39	36	32,5	25	16,5	7	
Multi EVO-E 5-50	1,2	0,9	1,68	1,25	1~230	8,5		54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

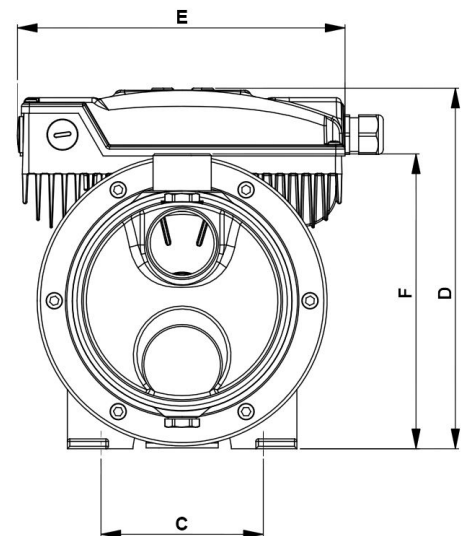
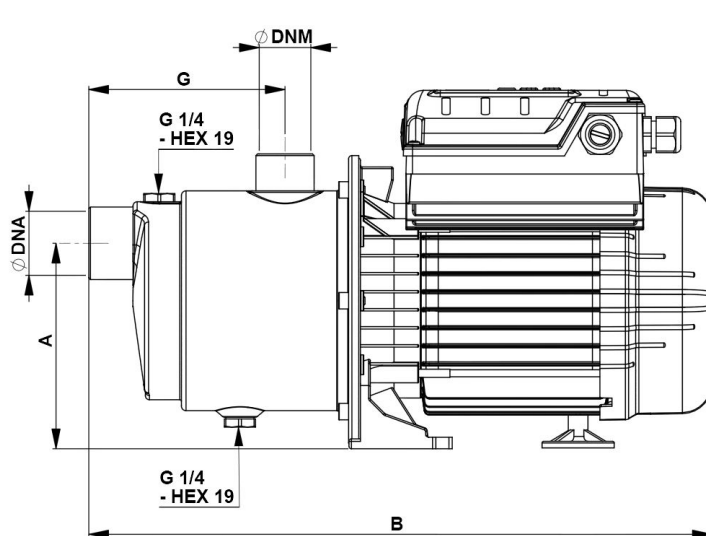
MODEL	Dimensions mm.									Weight (Kg)
	A	B	C	D	E	F	G	DNA	DNM	
Multi EVO-E 5-40 M	125	380	100	220	198	180	119	1"1/4	1"	12,2
Multi EVO-E 5-50 M	125	380	100	220	198	180	119	1"1/4	1"	13
Multi EVO-E 5-60 M	125	413	100	230	198	180	119	1"1/4	1"	14,5

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

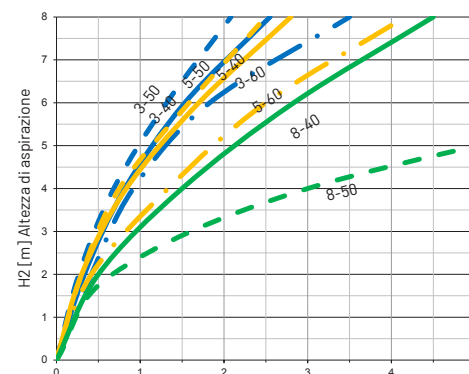
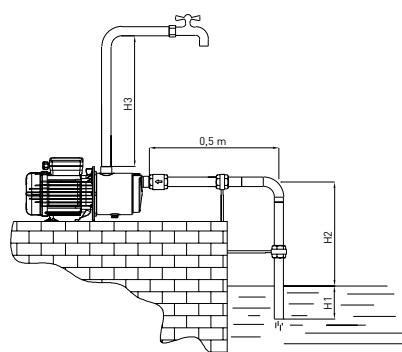
H₂O, T = 20°C,
Pa = 1000 hPa (mbar)
H₃ = vertical section

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

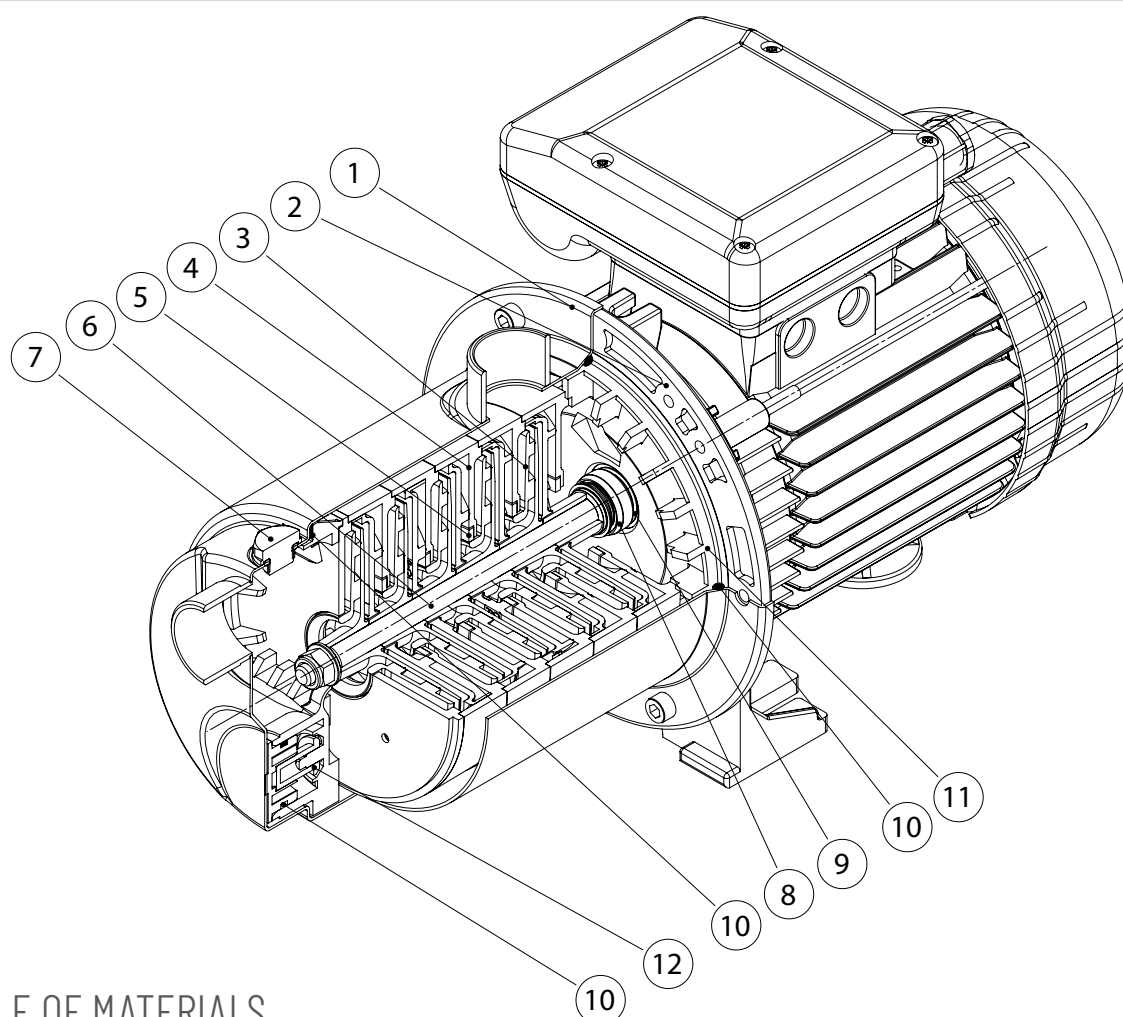
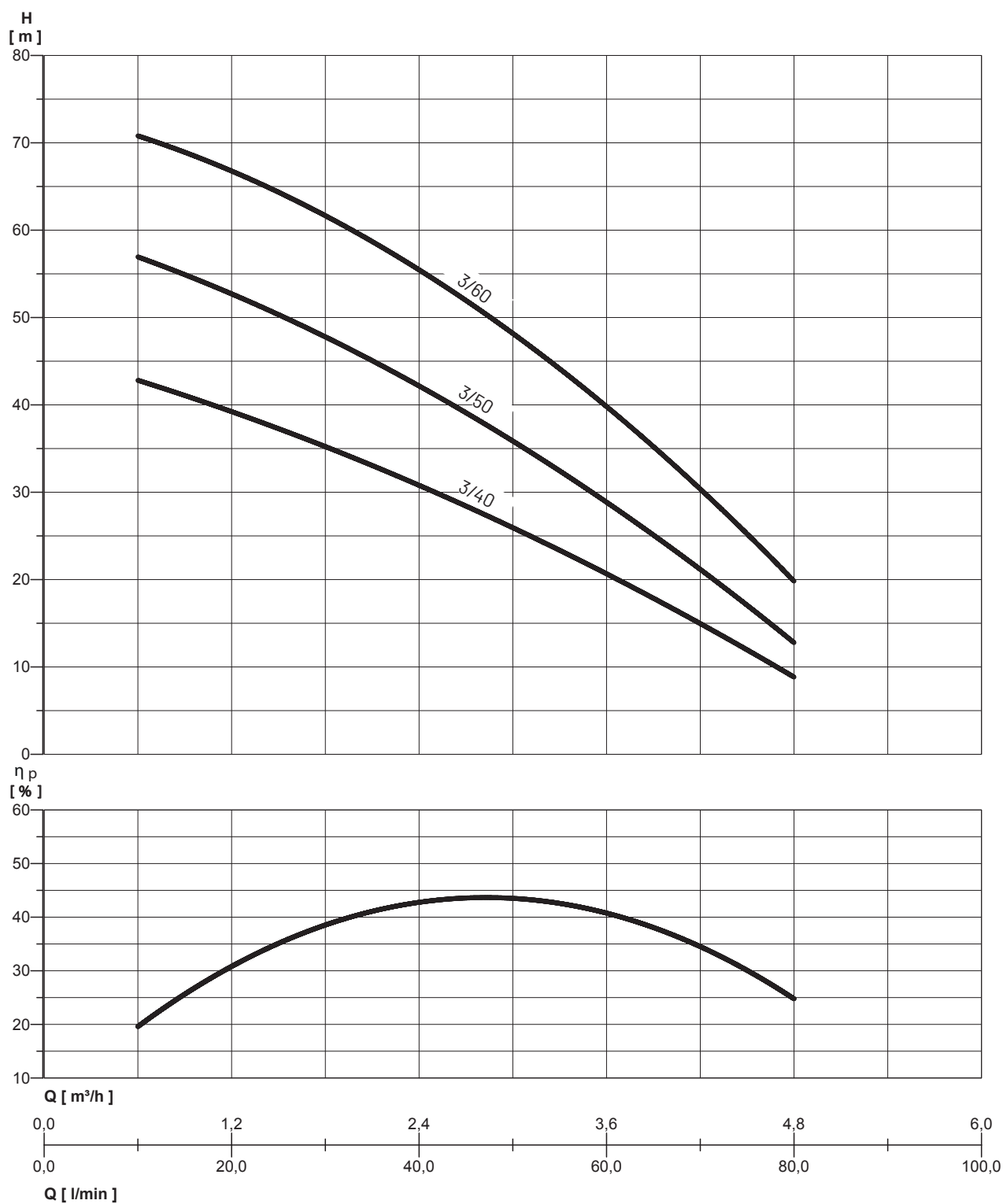


TABLE OF MATERIALS

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



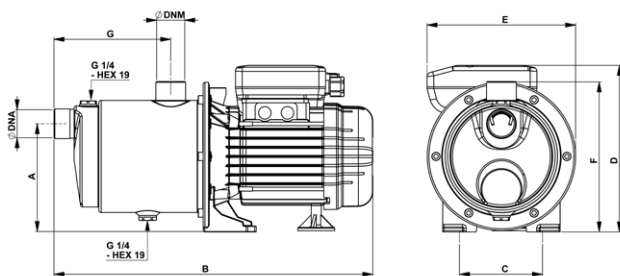
PERFORMANCE TABLE

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	-									

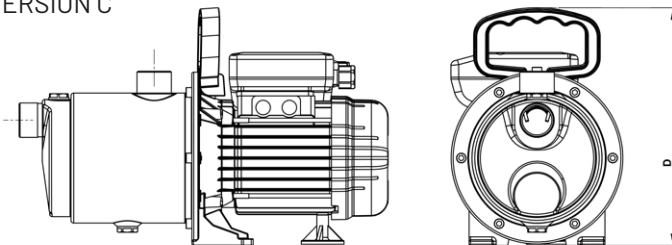
prevalenza totale
in metri colonna acqua

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

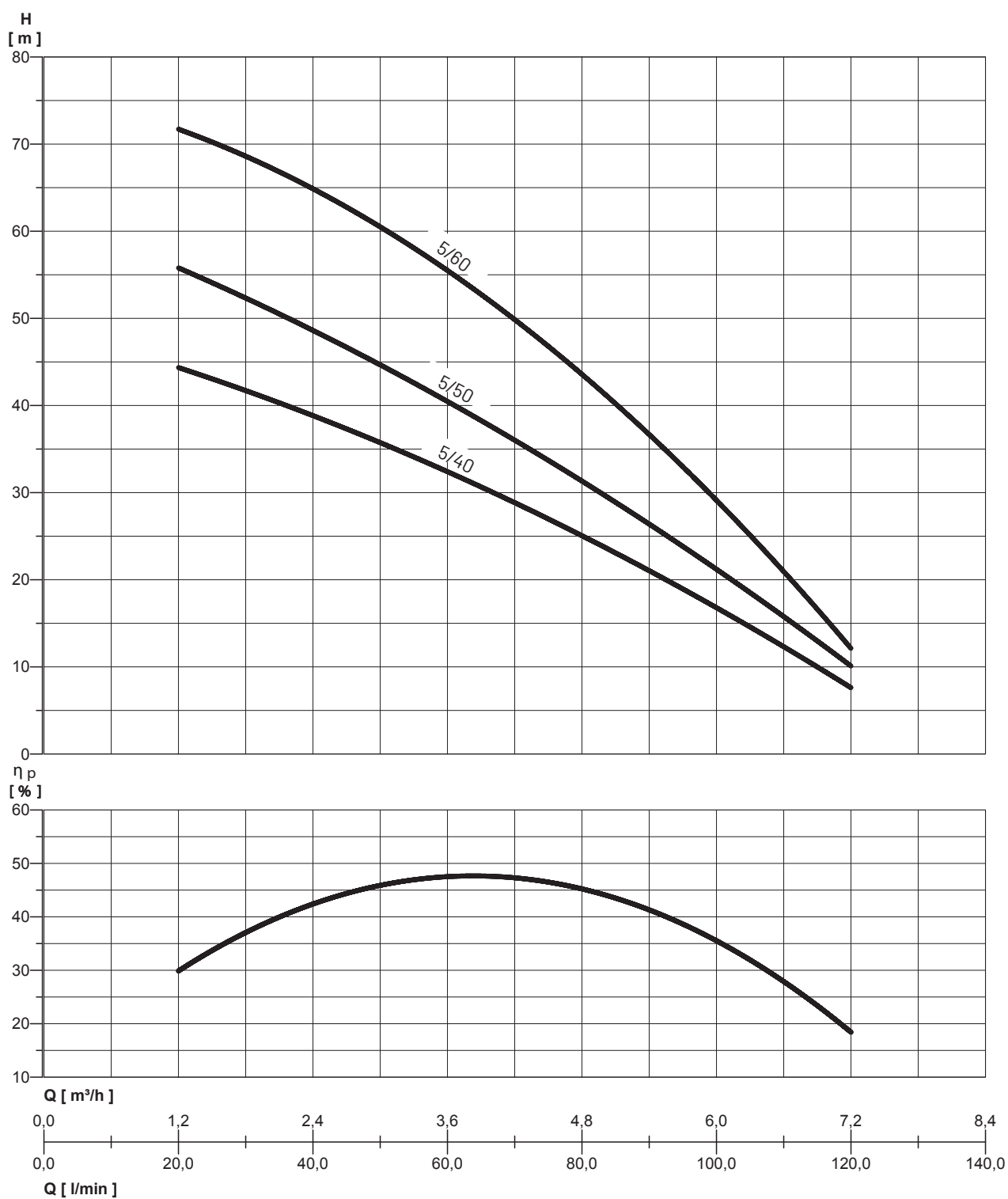


OVERALL DIMENSIONS AND WEIGHTS

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



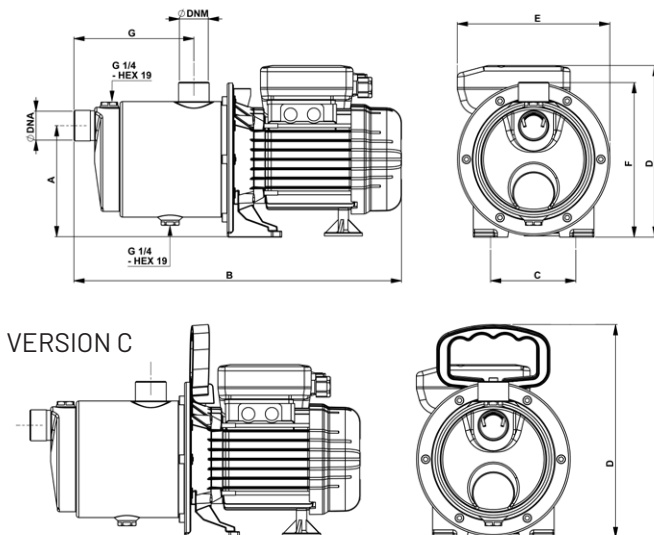
PERFORMANCE TABLE

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.

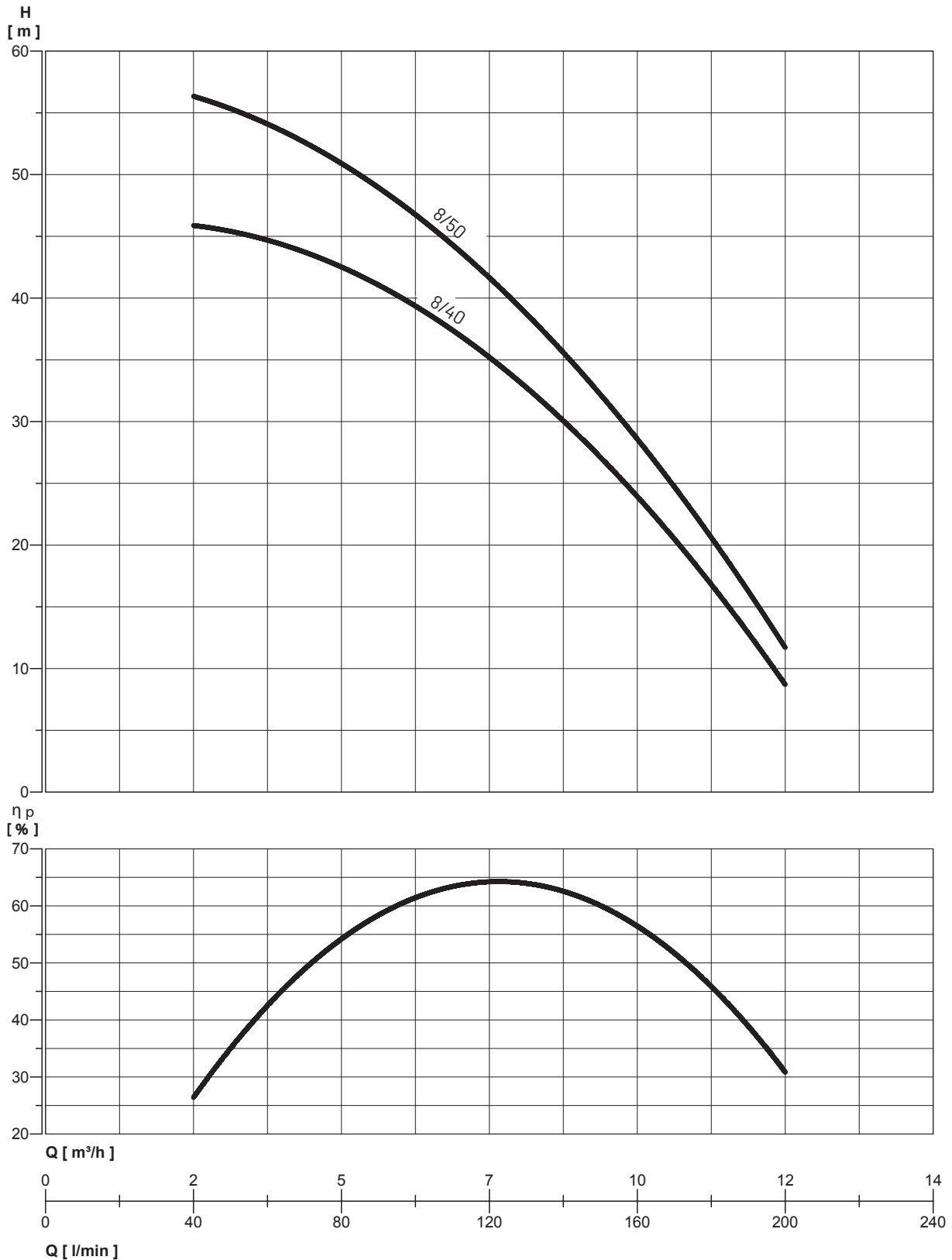


OVERALL DIMENSIONS AND WEIGHTS

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

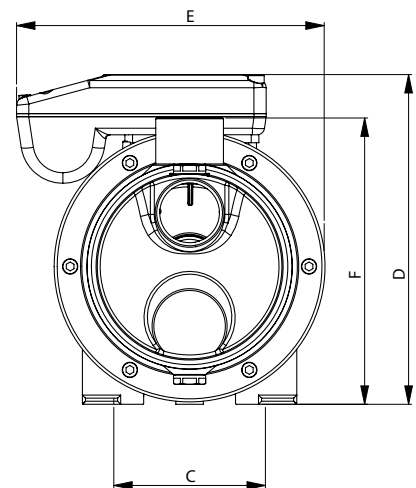
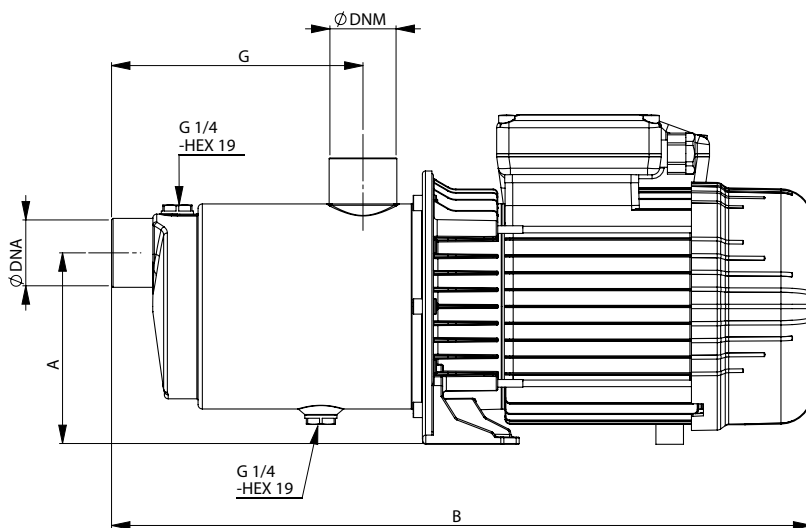
* Version with cable, sleeve and schuko plug.

HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

MODEL	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	μF	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-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

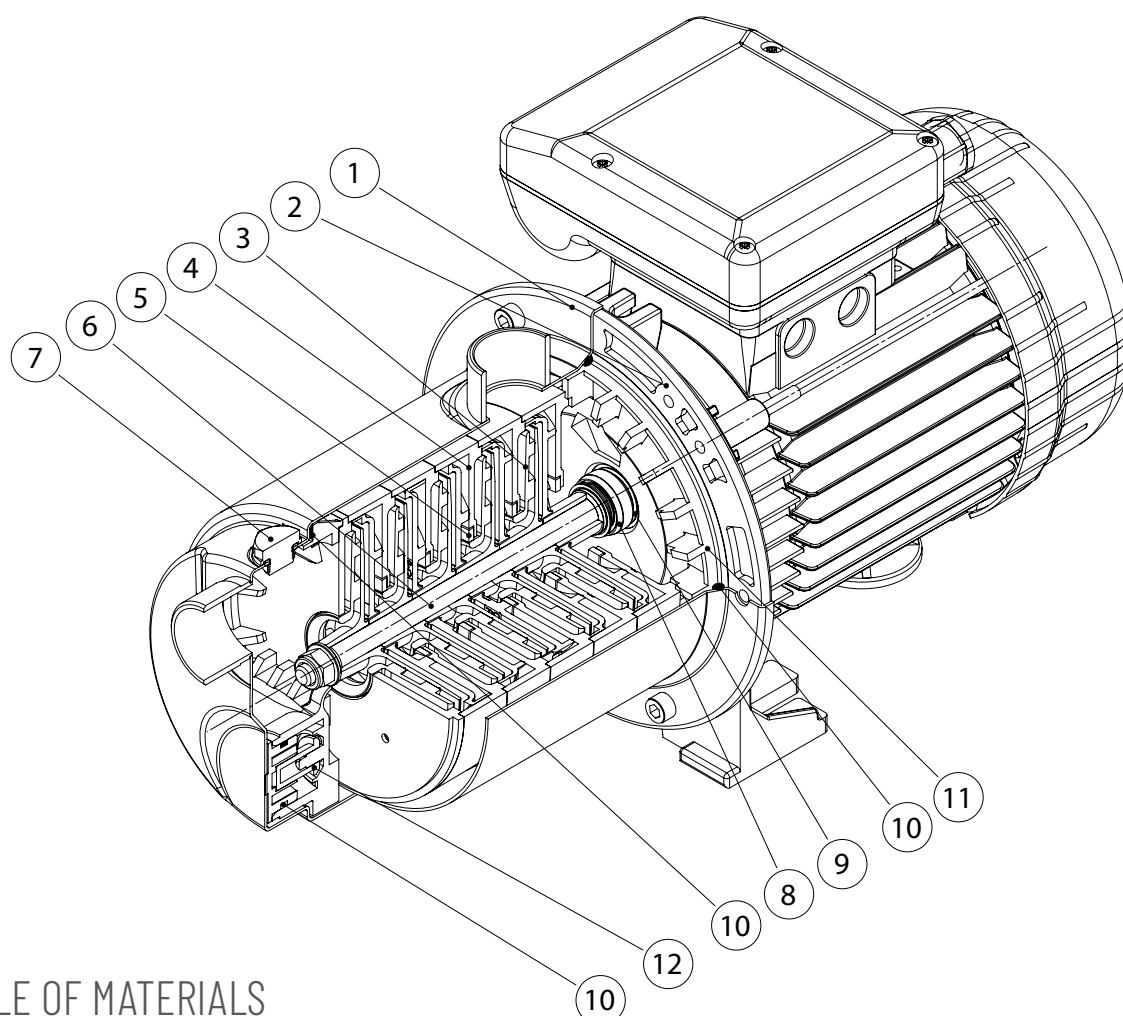
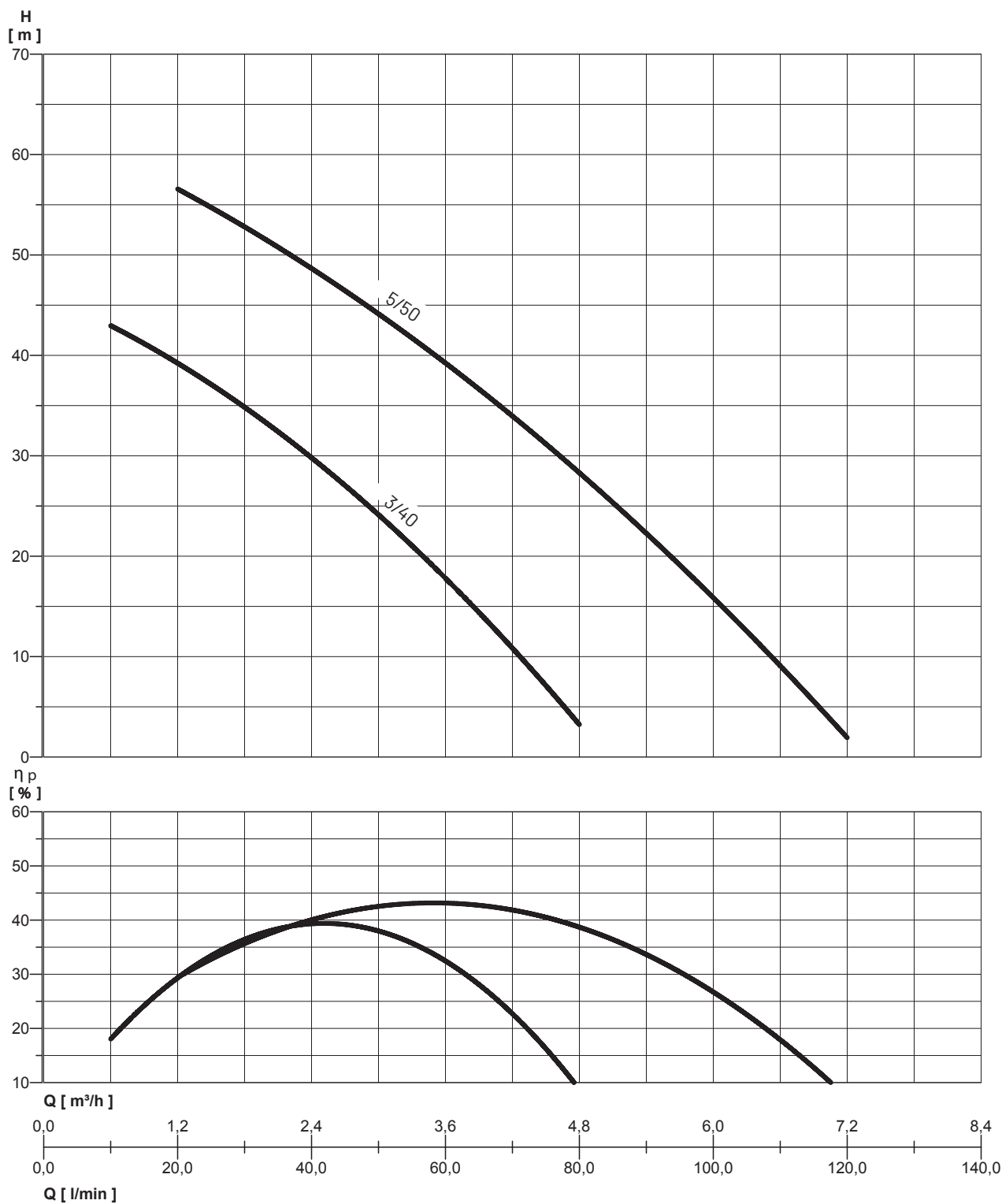


TABLE OF MATERIALS

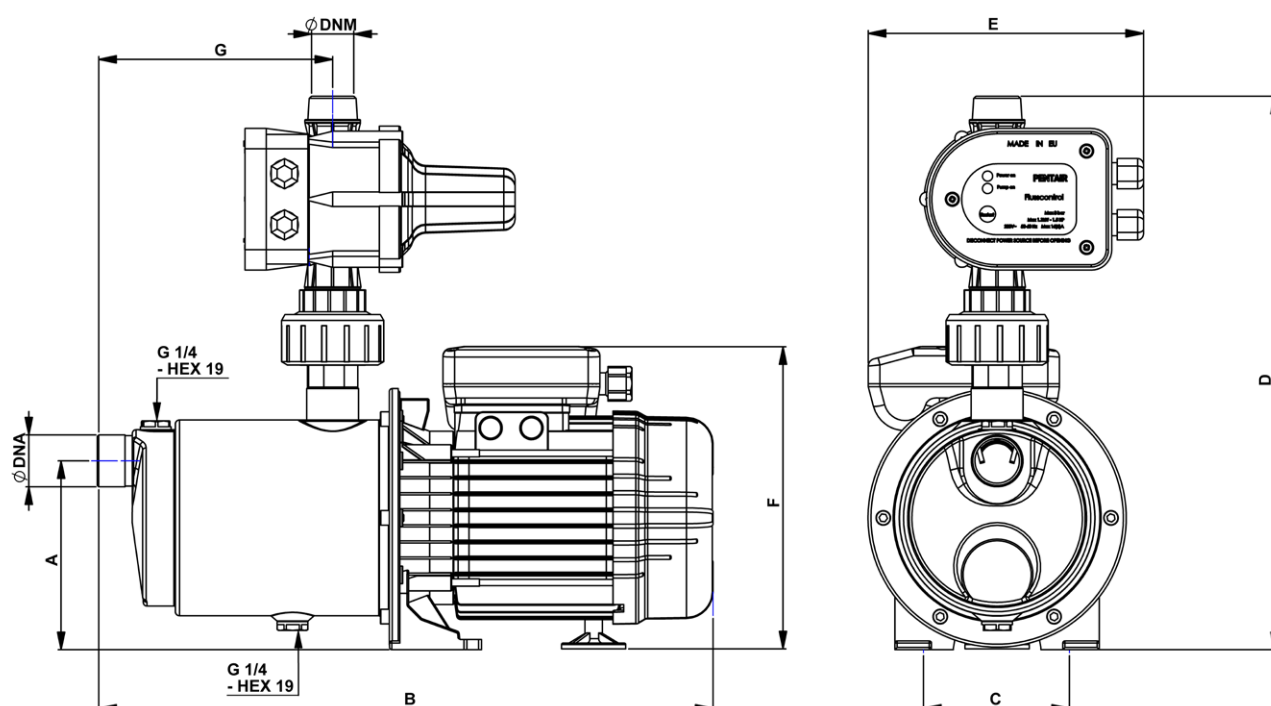
REF.	COMPONENT	MATERIAL
1	PUMP BODY	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304
2	MOTOR CASING	Die-cast aluminium
3	IMPELLER	Fibreglass reinforced PPO
4	DIFFUSER	Fibreglass reinforced PPO
5	WEAR RING	PTFE
6	SHAFT (HYDRAULIC PART)	Stainless steel Europe: EN10088-1 X5CrNi18-10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

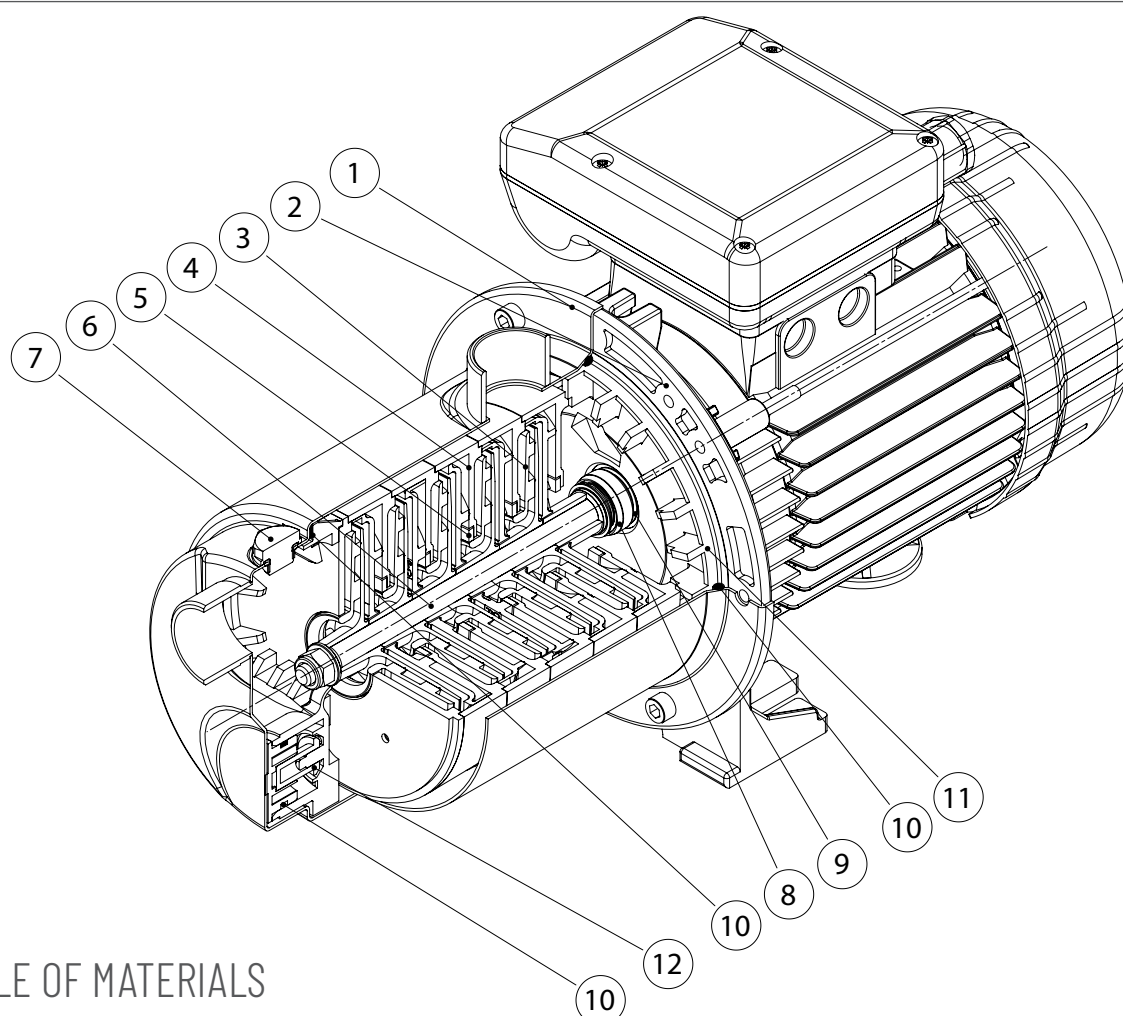
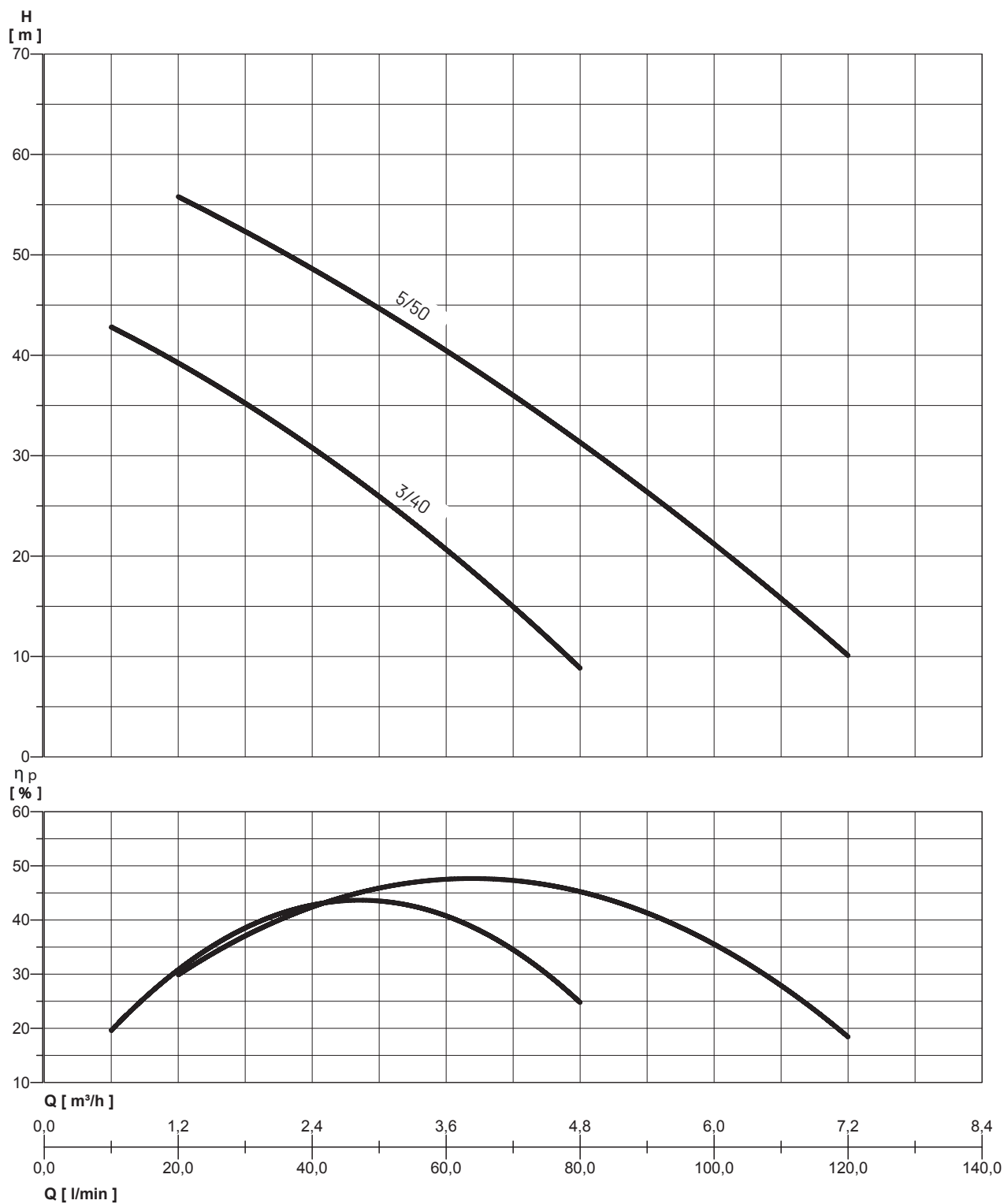


TABLE OF MATERIALS

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

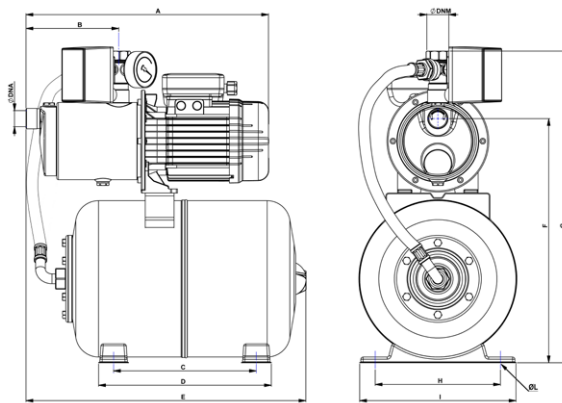
HYDRAULIC PERFORMANCE



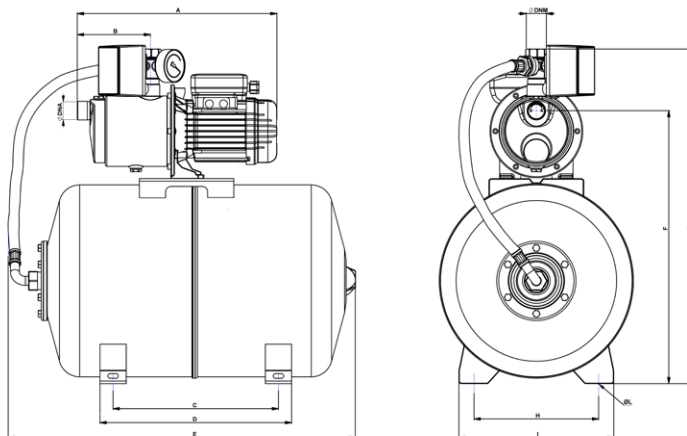
PERFORMANCE TABLE

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 I



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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 (P2 ≥ 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

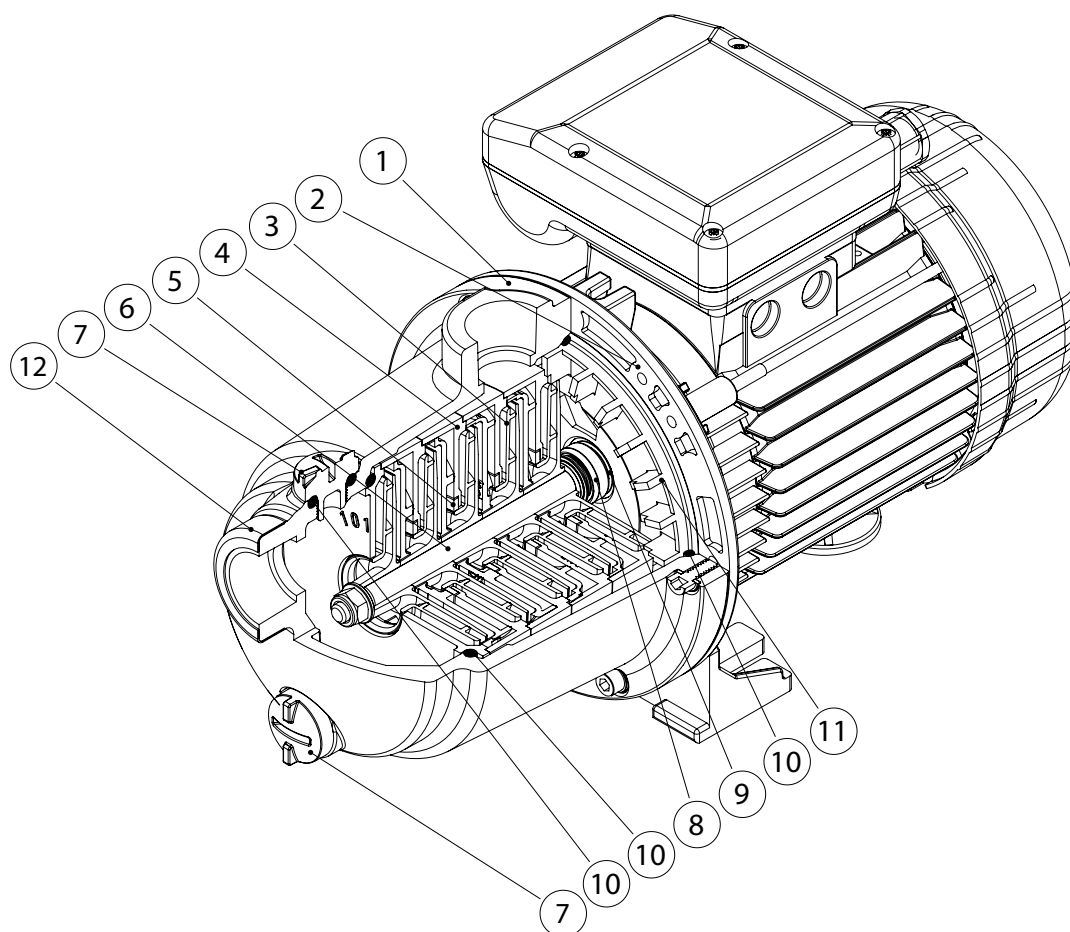
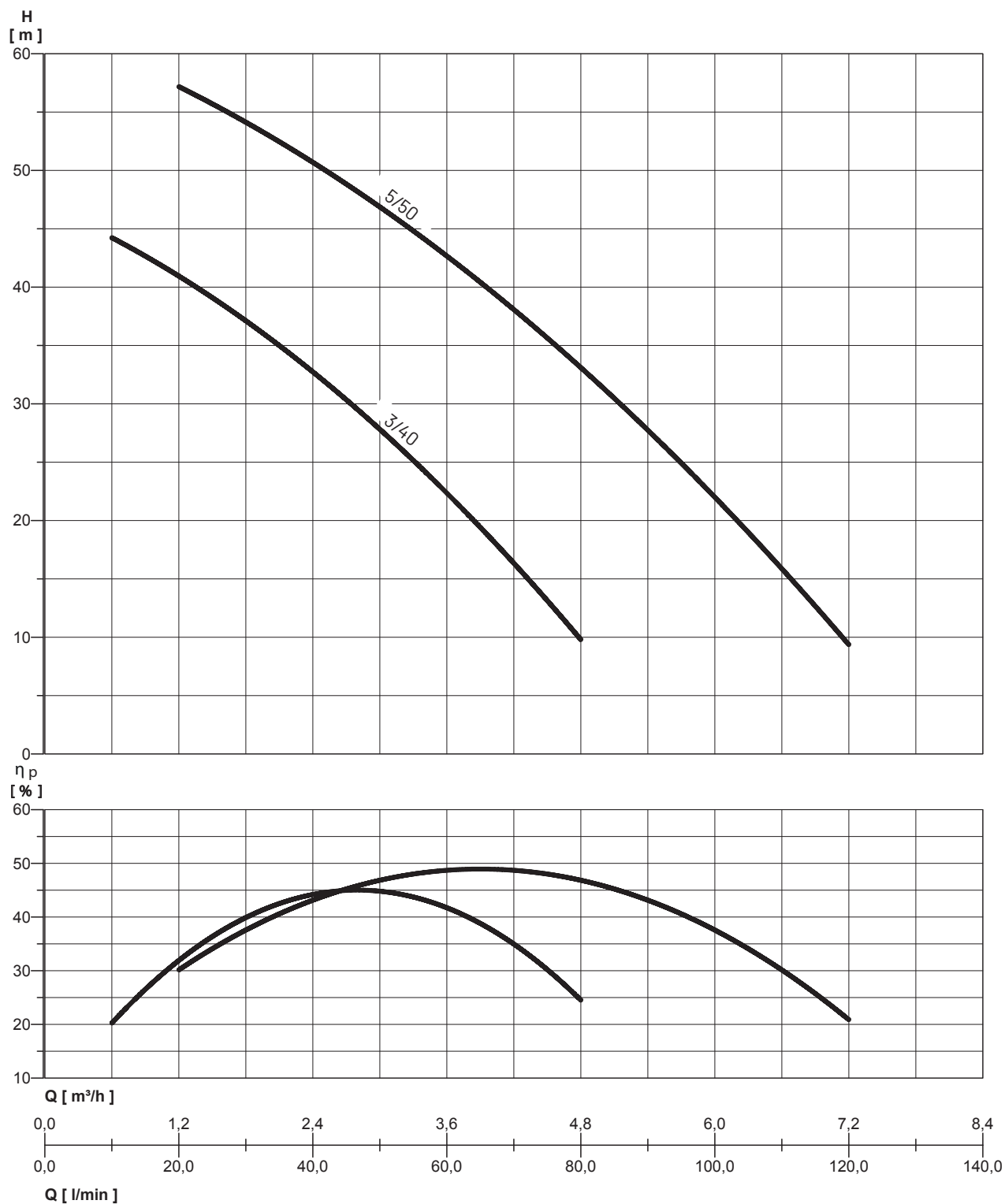


TABLE OF MATERIALS

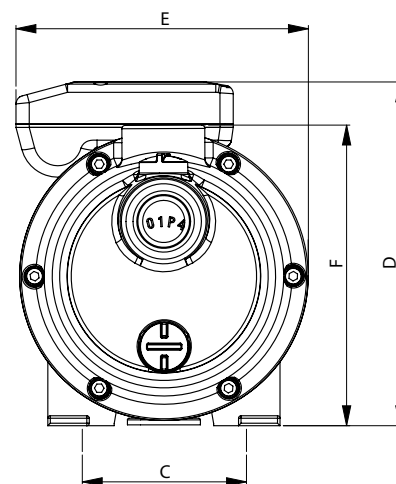
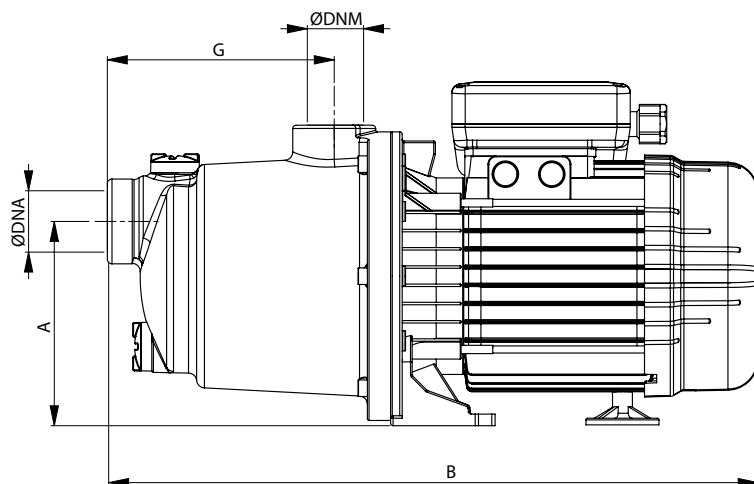
REF.	COMPONENT	MATERIAL
1	PUMP BODY	Fibreglass reinforced PPO
2	MOTOR CASING	Die-cast aluminium
3	IMPELLER	Fibreglass reinforced PPO
4	DIFFUSER	Fibreglass reinforced PPO
5	WEAR RING	PTFE
6	SHAFT (HYDRAULIC PART)	Stainless steel Europe: EN10088-1 X2CrNiMo17-12-2 (1.4404) USA: AISI 316
7	INLET / OUTLET 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	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
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										
Multi EVO-SP 3-40 T	0,71	0,53	1,05	0,78	3~230/400	2,7 / 1,55	-		44	41	37,5	33	27,5	22	10			
Multi EVO-SP 5-50 M	1,27	0,95	1,8	1,35	1~230	6,2	20											
Multi EVO-SP 5-50 T	1,2	0,9	1,68	1,25	3~230/400	3,8 / 2,2	-		57	54	51	47	43	32,5	22	9,5		



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