

50Hz



GENERAL CATALOGUE

www.pentax-pumps.it

FAMCO

Where there's water there's Pentax



PENTAX s.p.a.

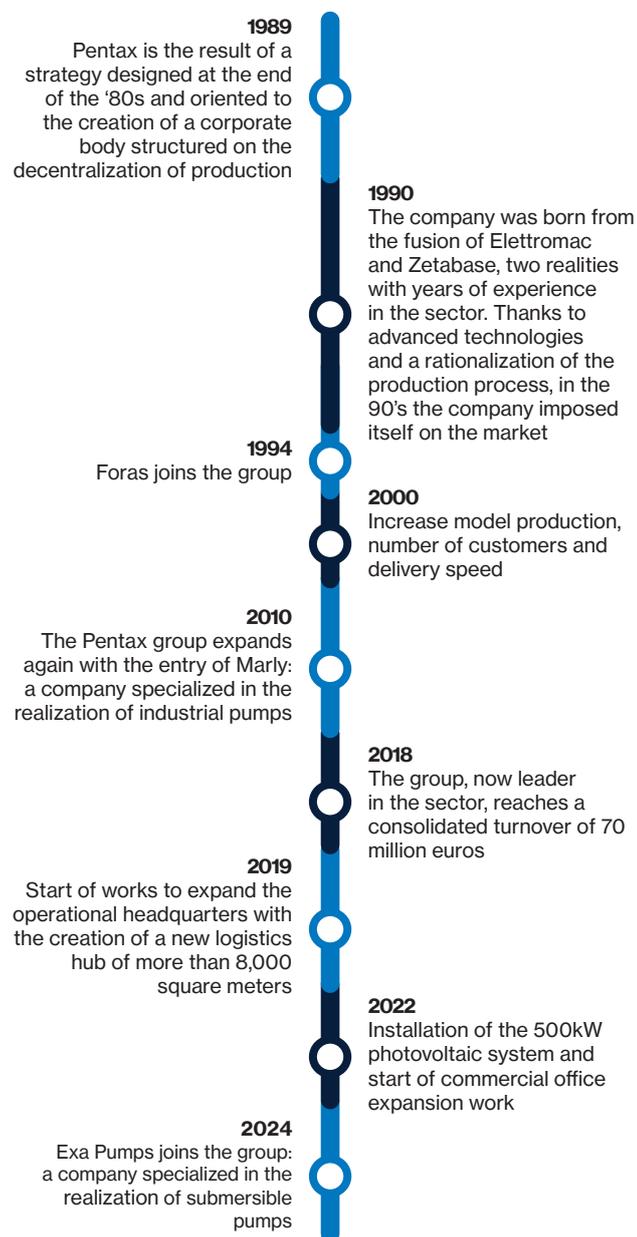
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HISTORY

For many years **Pentax** has held a large share of the world market for motorized pumps. The sales department is constantly working to better serve existing customers and to open up new markets. This is possible thanks to the wide range of products available which allows to cover most of the applications in the pump field. Special attention is also paid to market surveys, so that any new requirements can be immediately transferred to the research and development department: the best way to properly develop and forecast future scenarios.

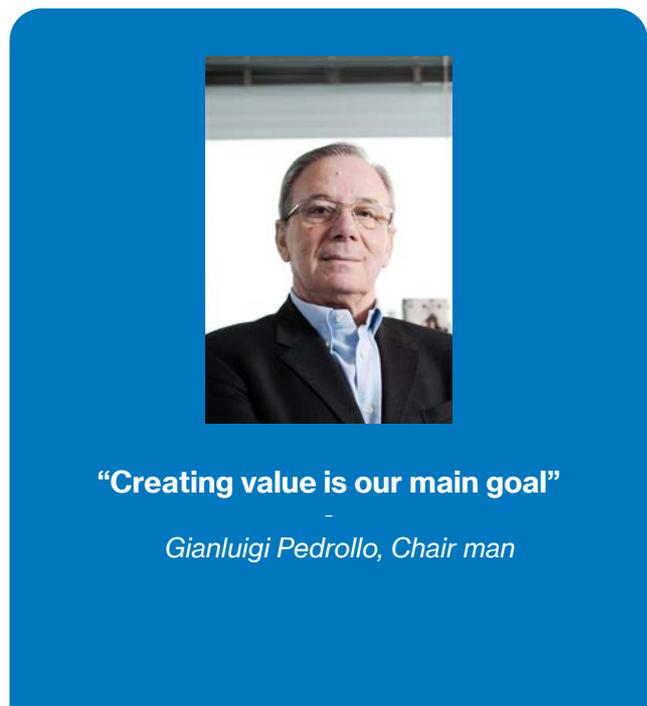


MISSION

After more than **20 years of activity** we can finally trace the guidelines that have governed and directed the industrial development of **Pentax Industries SpA**. Actions and processes that have intersected with the obvious aim of creating value, benefits to be redistributed to the various components of the production and distribution process.

A rational allocation of available resources, together with a refined program of production decentralization have allowed the company to adapt to changing market conditions, each time with extreme rapidity.

Maximum attention to the markets, therefore, with the commitment to respond in real time to the specific needs of the different markets, paying particular attention to technological progress. All this in the perspective of a careful policy for **customer satisfaction**.



VALUES



Reliability

Choosing Pentax means choosing safety at every stage

Quality

Where there is control, there is reliability: the basis for success

Speed

Impeccable delivery time

Flexibility

Pentax studies each case thoroughly, identifies the best solution and then takes action with security

Variety

The best service: a wide range of Pentax products, one for every need



OFFICIAL JOURNAL OF THE EUROPEAN UNION

Regulation UE 547/2012 ANNEX II

«The benchmark for most efficient water pumps is $MEI \geq 0,70$ ».

«The efficiency of a pump with a trimmed impeller is usually lower than that of a pump with the full impeller diameter. The trimming of the impeller will adapt the pump to a fixed duty point, leading to reduced energy consumption. The minimum efficiency index (MEI) is based on the full impeller diameter».

«The operation of this water pump with variable duty points may be more efficient and economic when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system».

Information on benchmark efficiency is available at:

www.europump.org/efficiencycharts.

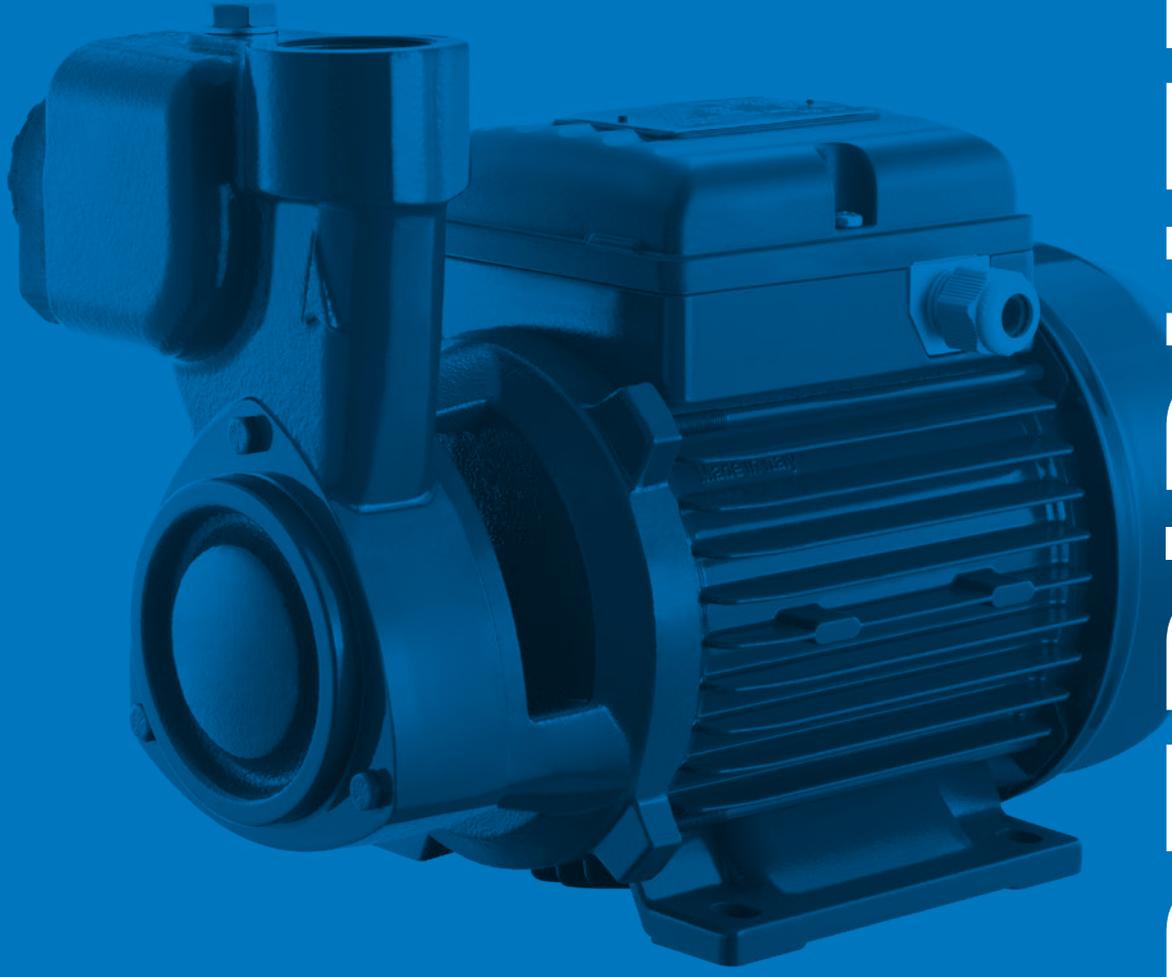




 **Pentax**
Industries

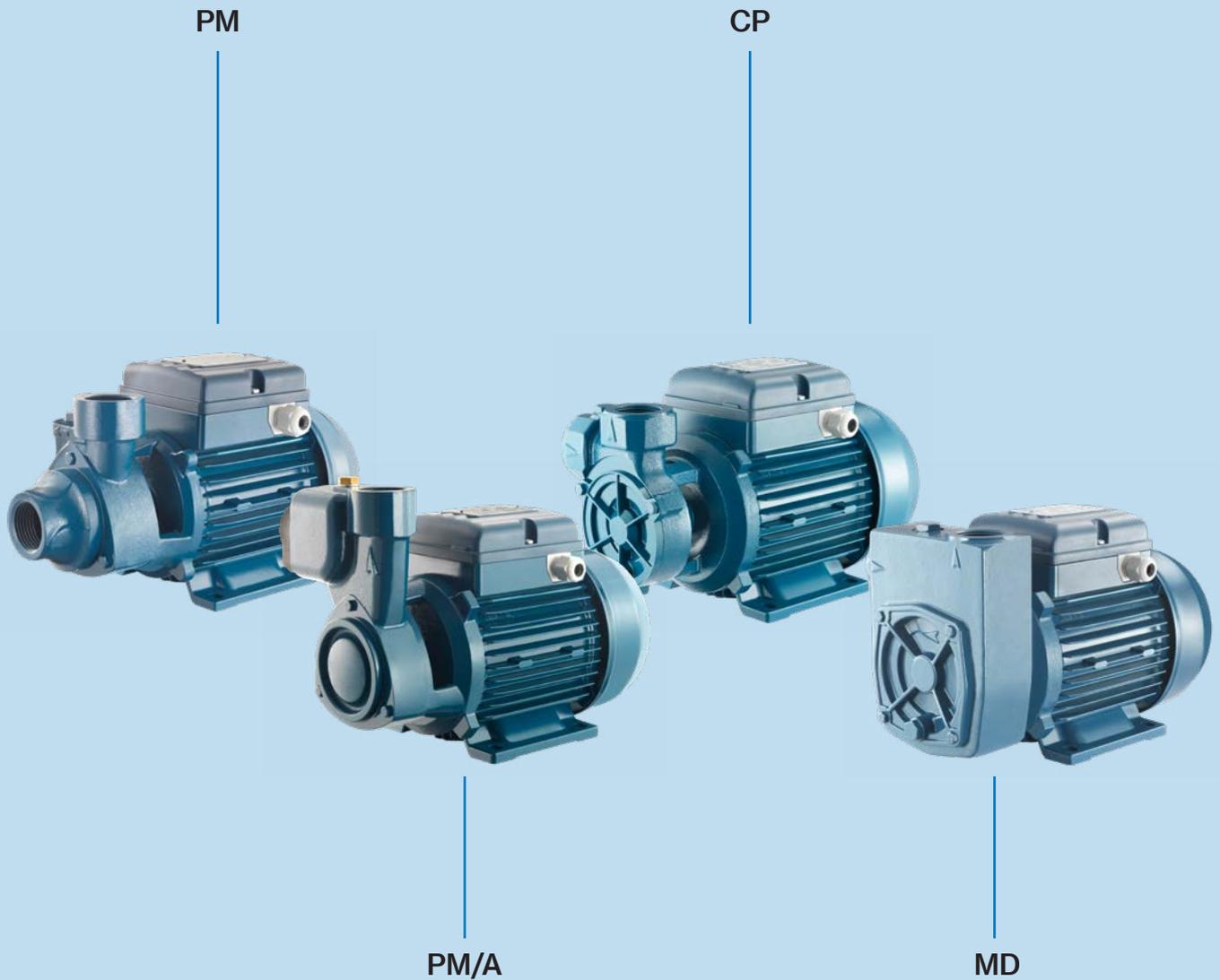






PERIPHERALS

PERIPHERAL PUMPS



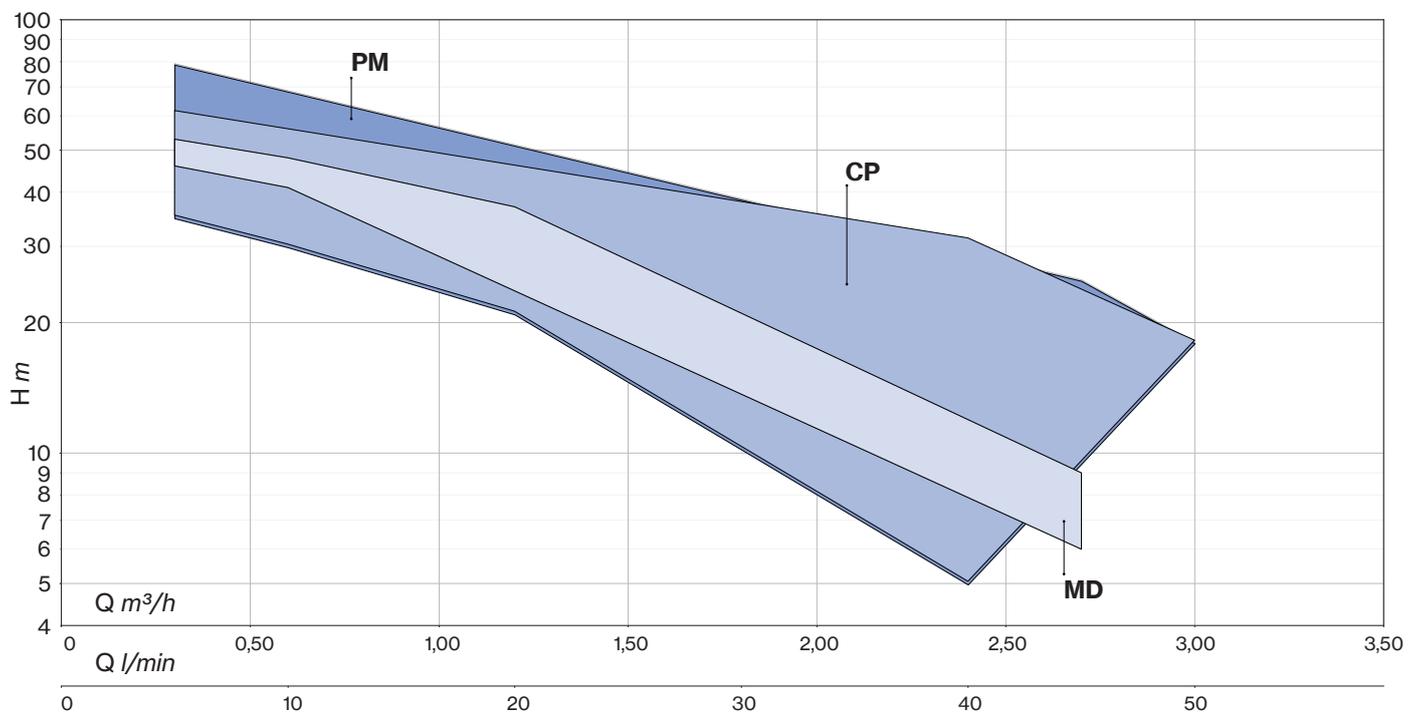
Range of peripheral and liquid ring type positive displacement pumps; they are characterized by the high ratio between the performances offered and the power required.

Applications:

- Small domestic installations
- Boiler feeding
- For washing
- Pressurization of industrial plants
- Small autoclaves
- Transfer of liquids



PERIPHERAL PUMPS





PM



PM/A



PM50



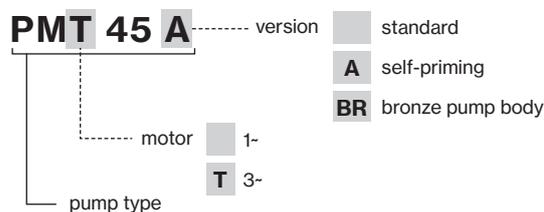
Peripheral positive displacement pumps with front suction (PM) and side suction with self-priming system (PM A) for small household systems and simple industrial applications; characterised by a considerable ratio between performance and required output.

Construction features

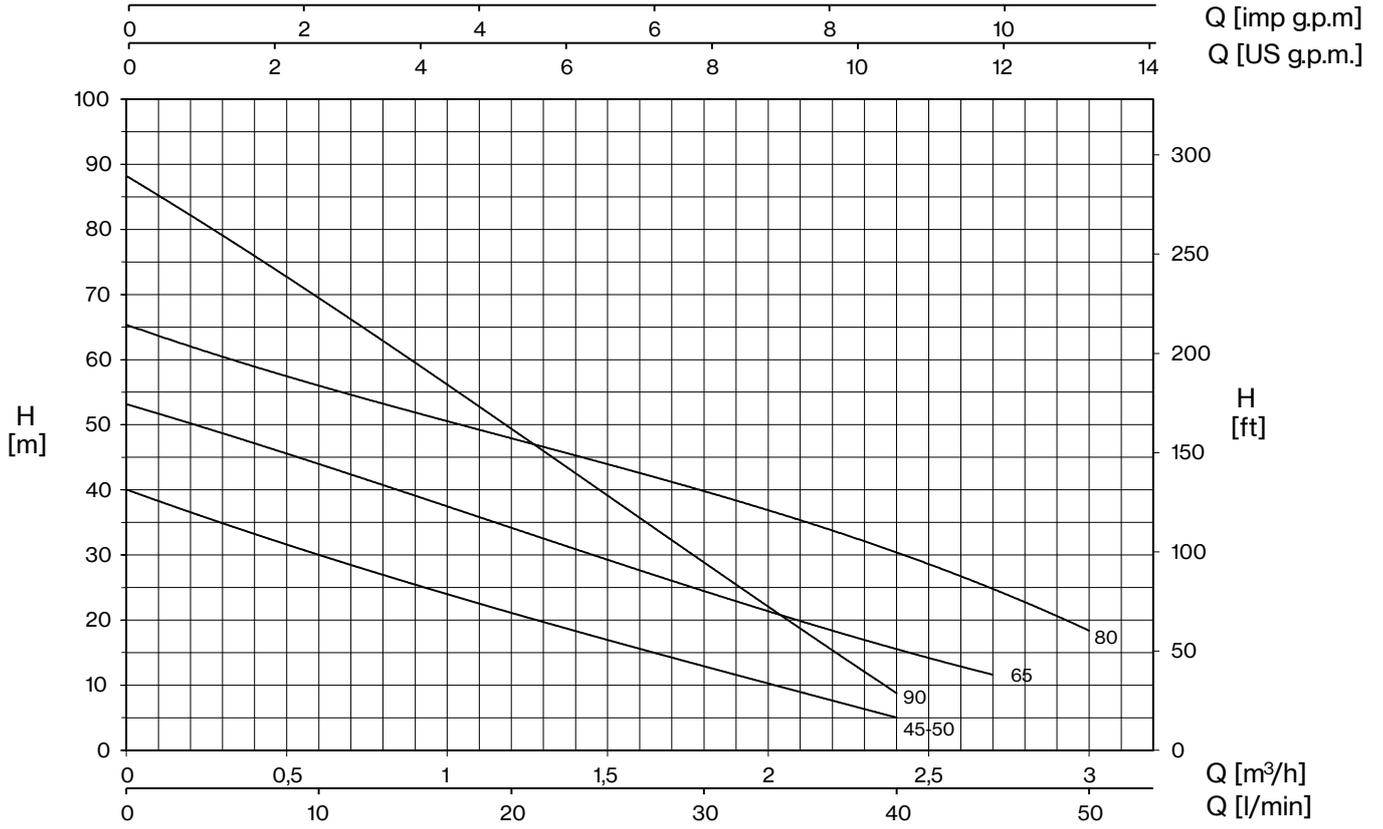
Painting	cataphoresis (50)
Pump body	cast iron bronze (45BR)
Motor bracket	cast iron cast iron or bronze (45BR) aluminum with AISI304 insert (50)
Impeller	brass
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 90 °C
Operating pressure	max 6 bar (45, 50) max 8 bar (65, 80) max 9 bar (90)

Motor

	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4

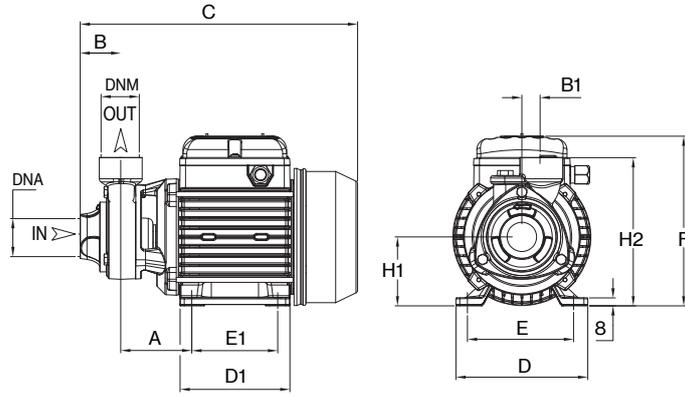


TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
PM 45-50	85×110×170	198	85×110×190	220
	80×120×170	207	80×120×190	230
PM 45A	80×110×170	105	85×110×190	135
PM 65A			85×120×170	136
PM 80-90			80×120×160	171
PM 65	85×100×160	180	85×100×190	200
	PM 80A	80×120×145	102	80×120×190

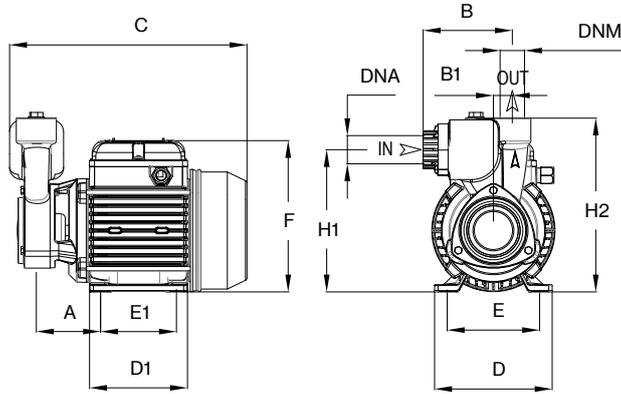


TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)							
1~	3~			1~	3~	1~ 230V	3~ 400V	0	0,3	0,6	1,2	1,8	2,4	2,7	3
		HP	kW	kW		A		0	5	10	H (m)				
PM 45	PMT 45	0,5	0,37	0,5	0,5	2,3	1,0	40,0	35,0	30,0	21,0	13,0	5,0		
PM 45BR	PMT 45BR	0,5	0,37	0,5	0,5	2,3	1,0	40,0	35,0	30,0	21,0	13,0	5,0		
PM 45A	PMT 45A	0,5	0,37	0,5	0,5	2,3	1,0	40,0	35,0	30,0	21,0	13,0	5,0		
PM 50	-	0,5	0,37	0,5	-	2,3	-	40,0	35,0	30,0	21,0	13,0	5,0		
PM 65	PMT 65	0,7	0,5	0,9	0,9	4,0	1,7	53,1	48,8	44,1	33,8	24,7	15,5	11,6	
PM 65A	PMT 65A	0,7	0,5	0,9	0,9	4,0	1,7	53,1	48,8	44,1	33,8	24,7	15,5	11,6	
PM 80	PMT 80	1	0,74	1,1	1,1	5,2	2,0	65,0	61,0	56,0	48,0	39,0	31,0	25,1	18,0
PM 80A	PMT 80A	1	0,74	1,1	1,1	5,2	2,0	65,0	61,0	56,0	48,0	39,0	31,0	25,1	18,0
PM 90	PMT 90	1	0,74	1,2	1,1	5,6	2,0	88,2	79,2	69,3	49,5	28,8	8,8		

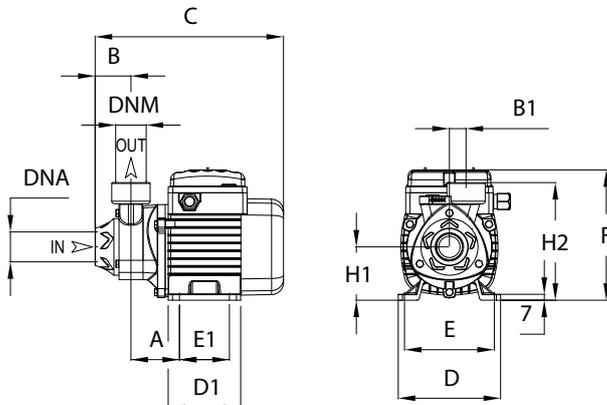
PM



TYPE		DIMENSIONS (mm)															Kg	
1~	3~	A	B	B1	C	D	D1	E	E1	F	H1	H2	DNA	DNM	I	L		M
PM 45	PMT 45	63	50	20	260	120	101	100	80	158	63	143	1" G	1" G	265	150	175	6,5
PM 45BR	PMT 45BR	63	50	20	260	120	101	100	80	158	63	143			265	150	175	7
PM 65	PMT 65	71,5	42	20	256	120	101	100	80	158	63	145			300	170	195	10,5
PM 80	PMT 80	72,5	41	20	280	135	112	112	89	172	71	152			310	185	195	11
PM 90	PMT 90	74,5	50	20	286	135	112	112	89	172	71	158						



TYPE		DIMENSIONS (mm)															Kg	
1~	3~	A	B	B1	C	D	D1	E	E1	F	H1	H2	DNA	DNM	I	L		M
PM 45A	PMT 45A	63	89	20	240	120	101	100	80	158	150	184	1" G	1" G	300	170	195	7,5
PM 65A	PMT 65A	71,5	101	20	248	120	101	100	80	158	157	193			300	170	195	9
PM 80A	PMT 80A	71,5	101	20	271	135	112	112	89	172	165	201			290	170	230	11



TYPE	DIMENSIONS (mm)																	Kg
1~	A	B	B1	C	D	D1	E	E1	F	H1	H2	DNA	DNM	I	L	M		
PM 50	52	42	20	221	120	85	98	67	154	63	139	1" G	1" G	245	150	175	5,5	





Peripheral positive displacement pumps with side suction for small household systems and simple industrial applications; characterised by a considerable ratio between performance and required power; frontal brass insert avoiding the risk of blockage.

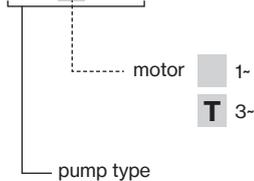
Construction features

Pump body	cast iron and brass
Motor bracket	cast iron
Impeller	brass
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 90 °C
Operating pressure	max 8 bar

Motor

	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4

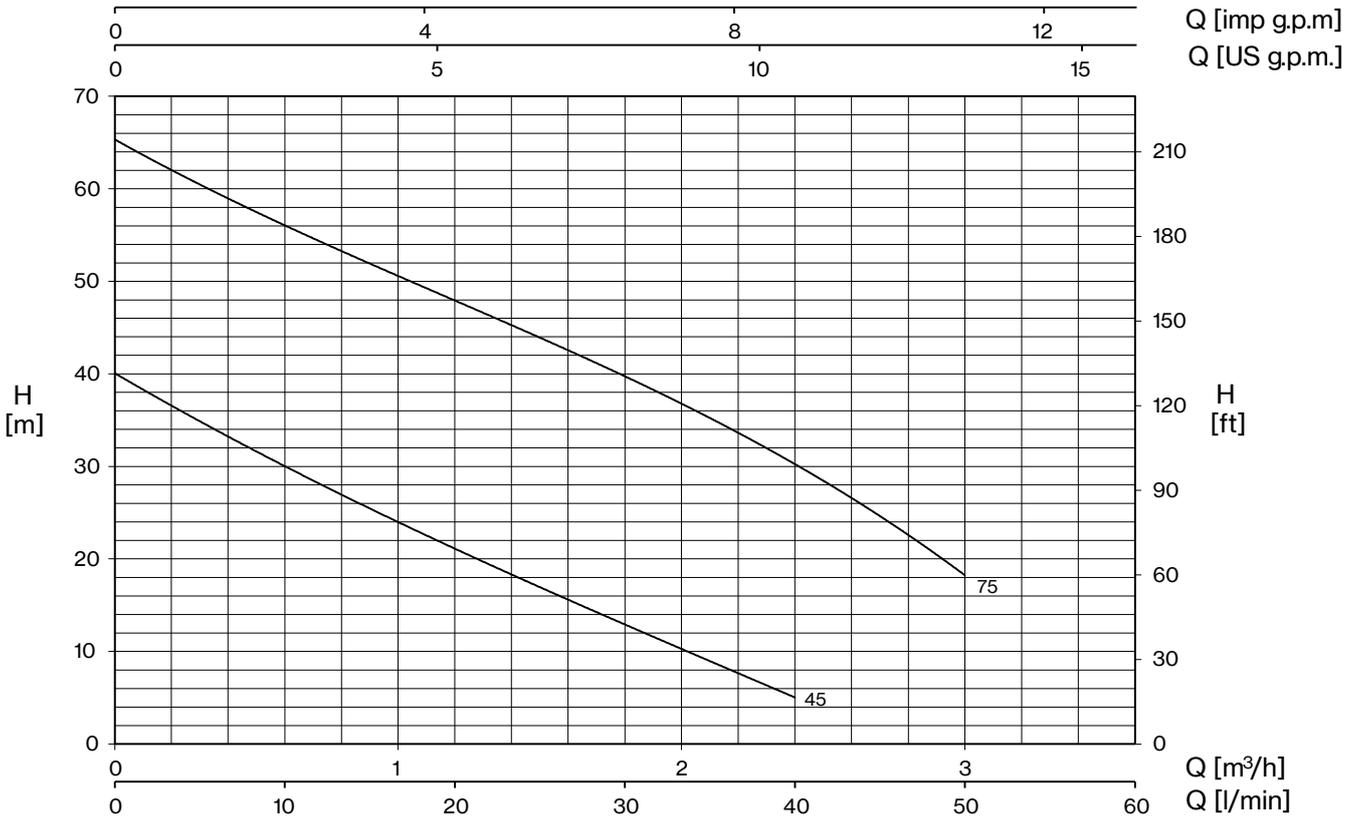
CPT 45



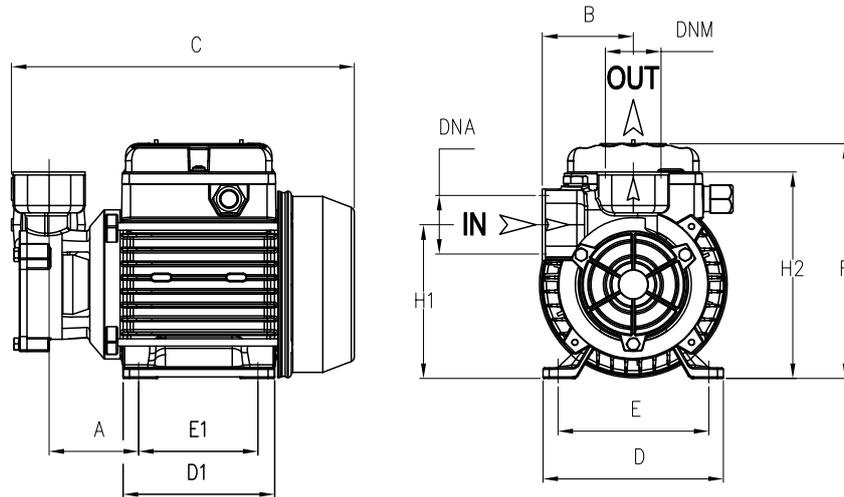
TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
CP 45	85×110×170	207	85×110×190	220
	80×120×170	198	80×120×190	230
CP 75	85×110×170	105	85×110×190	135
			80×120×170	136



CP



TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)					
1~	3~			1~	3~	1~ 230V	3~ 400V	0,3 5	0,6 10	1,2 20	1,8 30	2,4 40	3 50
		HP	kW	kW		A		H (m)					
CP 45	CPT 45	0,5	0,37	0,5	0,5	2,3	1,0	35,0	30,0	21,0	13,0	5,0	
CP 75	CPT 75	1	0,74	1,11	1,13	5,2	2,0	61,0	56,0	48,0	39,0	31,0	18,0



TYPE		DIMENSIONS (mm)															
~1	~3	A	B	C	D	D1	E	E1	F	H1	H2	DNA	DNM	I	L	M	Kg
CP 45	CPT 45	67	60	235	120	101	97	80	165	105	140	1" G	1" G	265	145	165	5,7
CP 75	CPT 75	71,5	60	263	135	112	112	89	172	124	156	1" G	1" G	310	185	195	9,2





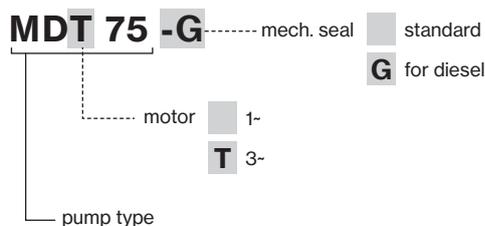
Volumetric pumps with liquid ring impeller that gives considerable suction power. Particularly suitable for liquid transfer (including volatile liquids). The pumps have a frontal brass cover thus avoiding the risk of blockage.

Construction features

Pump body	cast iron and brass
Motor bracket	cast iron
Impeller	brass
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 90 °C
Operating pressure	max 8 bar

Motor

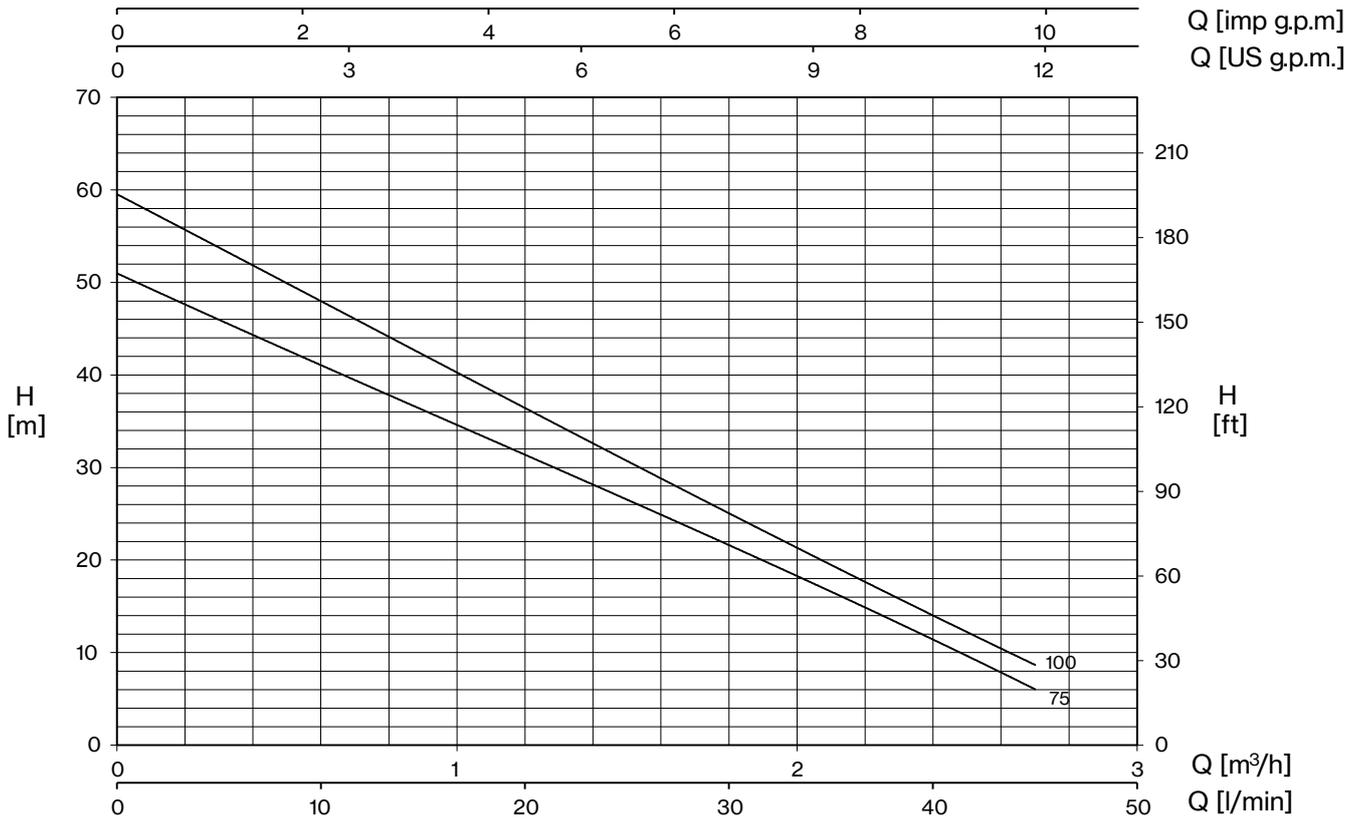
	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4



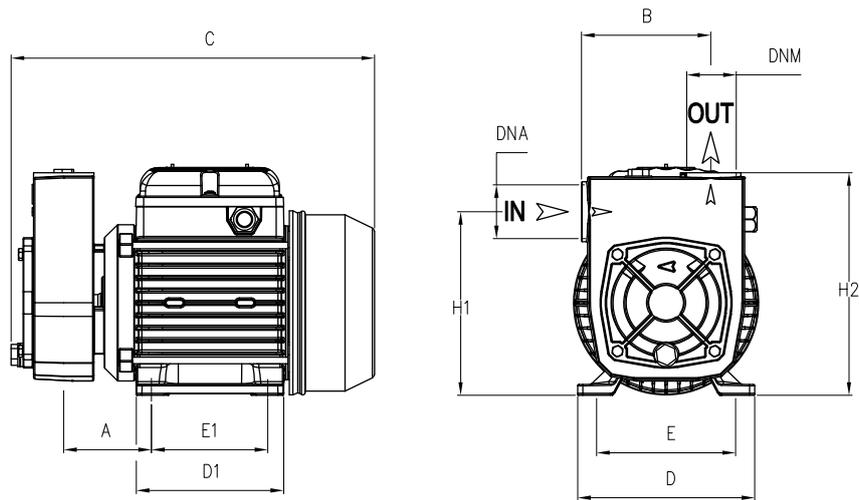
TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
MD 75-100	85×110×170	105	85×110×190 80×120×170	135 136



MD

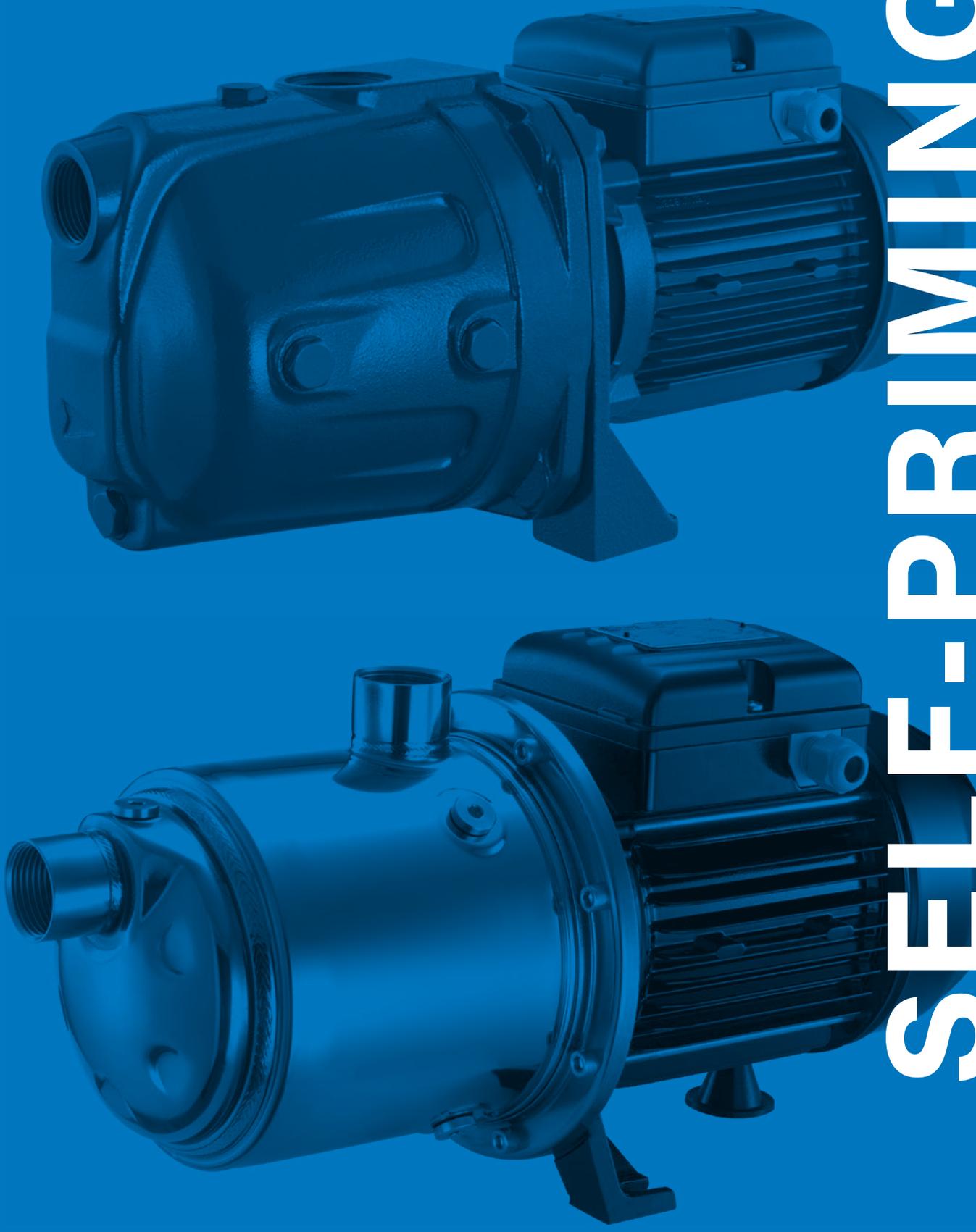


TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)					
1~	3~			1~	3~	1~ 230V	3~ 400V	0,3	0,6	1,2	1,8	2,4	2,7
		HP	kW	kW		A		H (m)					
MD 75	MDT 75	0,8	0,59	1,03	0,94	5,0	1,7	46,0	41,0	31,5	21,5	11,5	6,0
MD 100	MDT 100	1	0,74	1,17	0,98	5,4	2,1	53,0	48,0	37,0	25,0	13,5	9,0



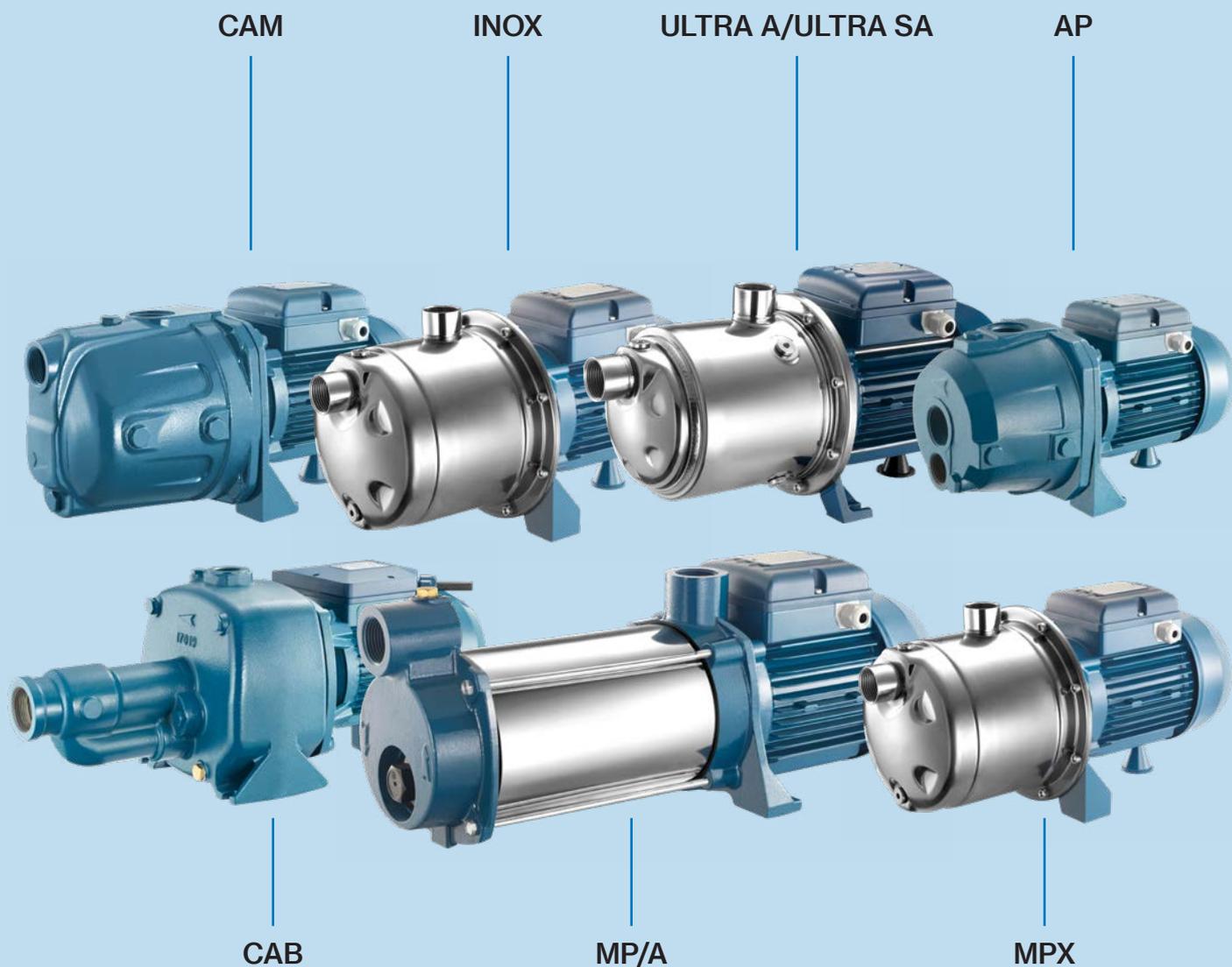
TYPE		DIMENSIONS (mm)													Kg	
~1	~3	A	B	C	D	D1	E	E1	H1	H2	DNA	DNM	I	L		M
MD 75	MDT 75	70	98,5	270	135	112	112	89	141	170	1" G	1" G	310	185	195	11,1
MD 100	MDT 100	70	98,5	270	135	112	112	89	141	170	1" G	1" G	310	185	195	11,8





SELF-PRIMING

SELF-PRIMING PUMPS



Wide range of single and multistage self-priming pumps, characterized by the fact of being able to handle liquids in the presence of dissolved gases.

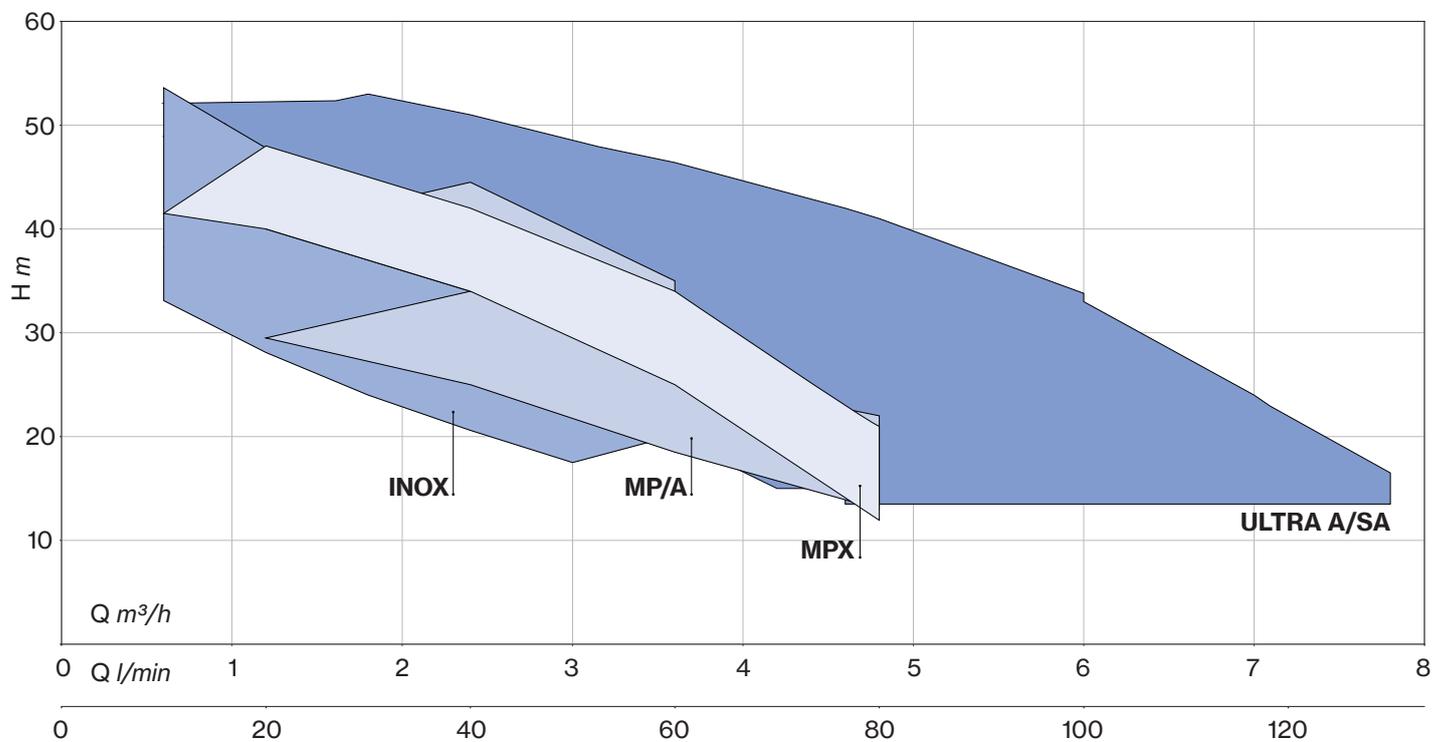
Applications:

- Water supply
- Pressurization
- Liquid transfer
- Irrigation and tank emptying
- Small automatic systems of pressure increase

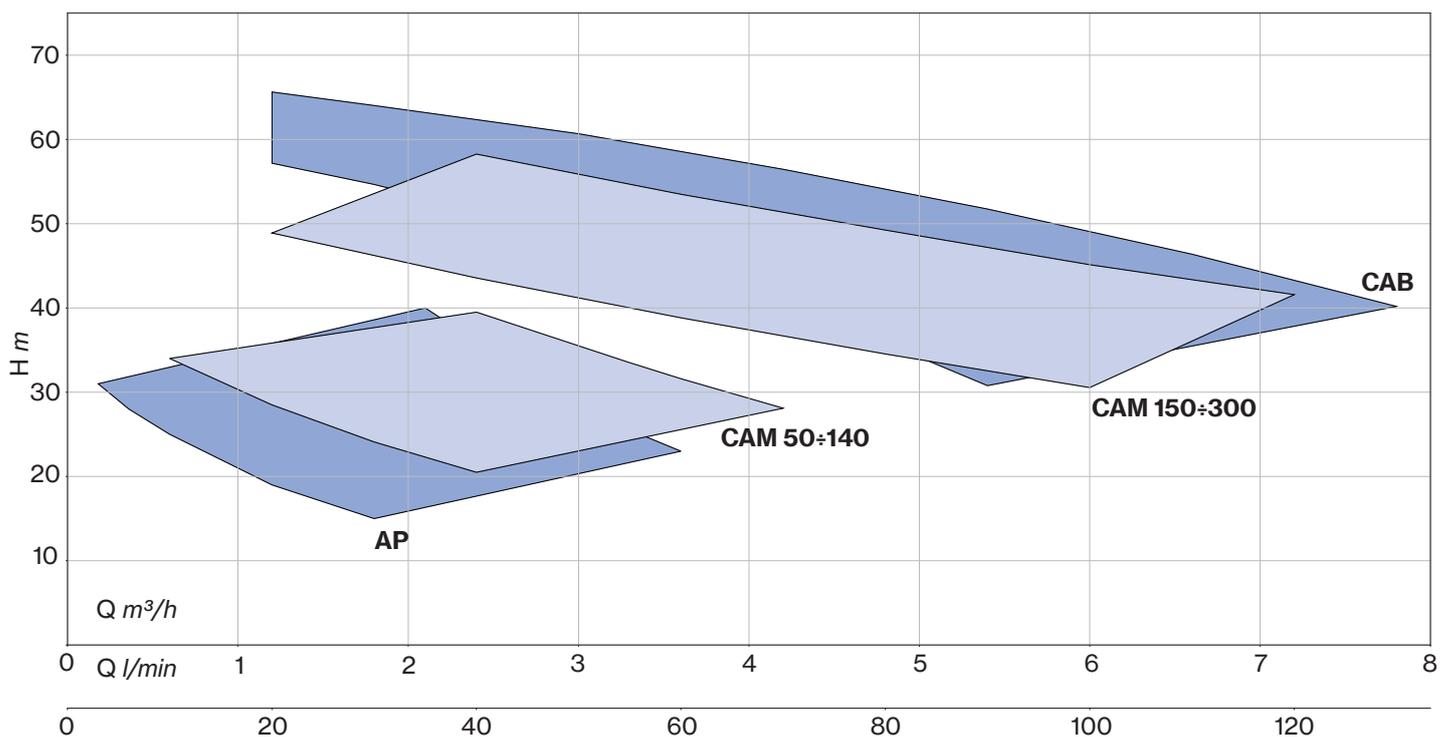


SELF-PRIMING PUMPS

Stainless steel



Cast iron



Self-priming centrifugal pumps for water supplies (even if mixed with gas) in small household systems, connected to autoclave tanks, for transferring liquids and emptying tanks; also used for gardening.



CAM 50N÷140



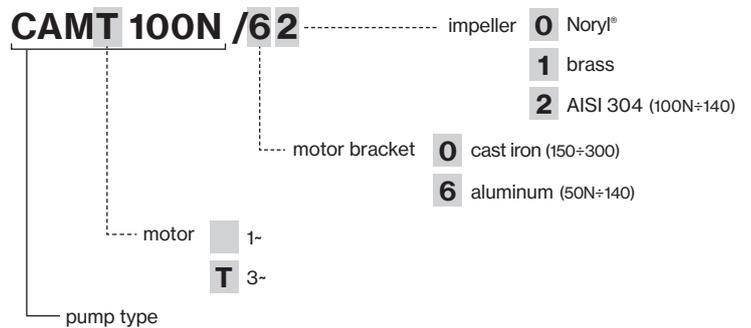
CAM 150÷300

Construction features

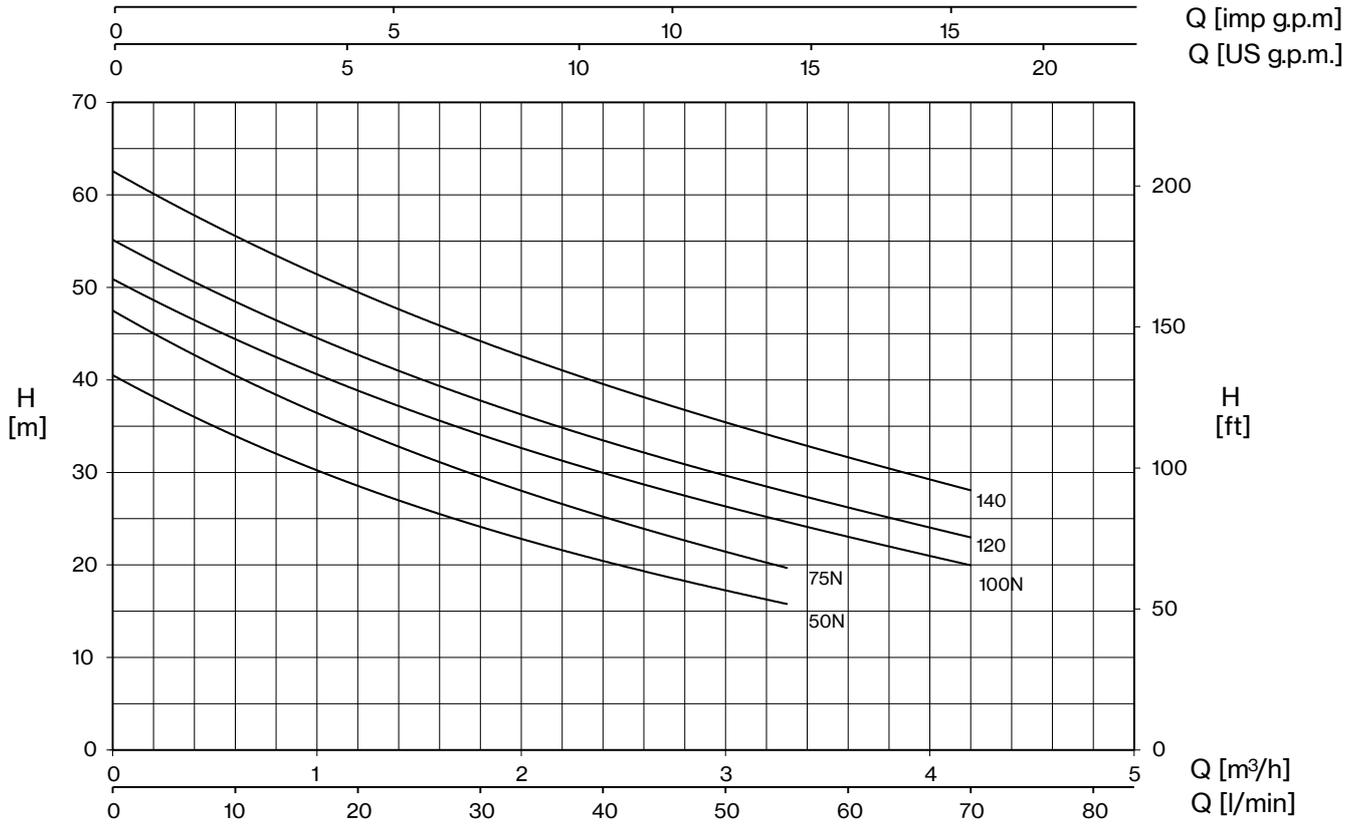
Pump body	cast iron
Motor bracket	aluminum (50N÷140) cast iron (150÷300)
Impeller	Noryl®, brass AISI 304, Noryl®, brass (100N÷140)
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 50 °C
Operating pressure	max 6 bar (50N÷75N) max 7 bar (100N÷140) max 8 bar (150÷300)

Motor

	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4

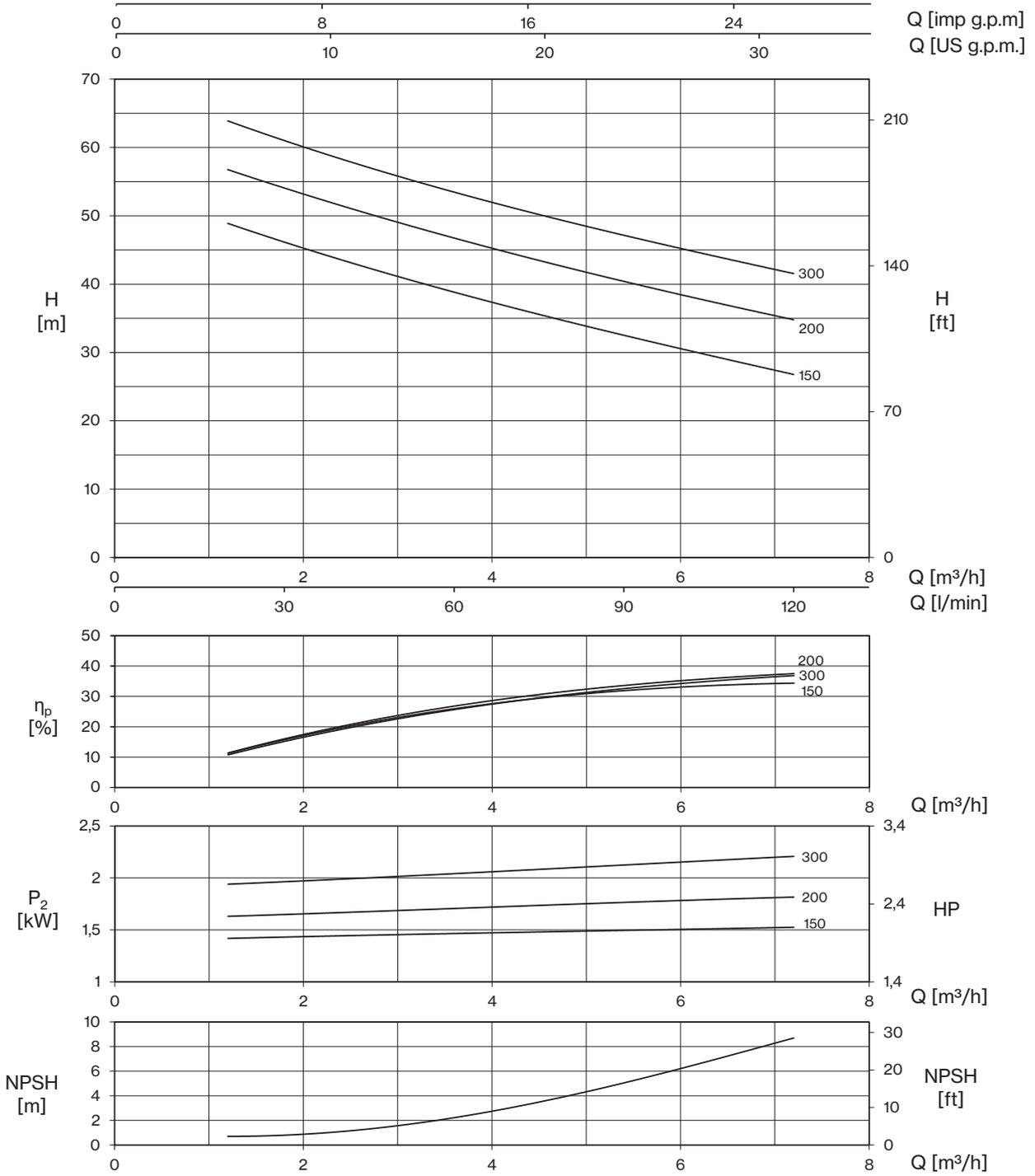


TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
CAM 50N÷140	85×110×145	60	85×110×190	80
			80×120×190	64
CAM 150÷300	80×120×145	35	80×120×180	49



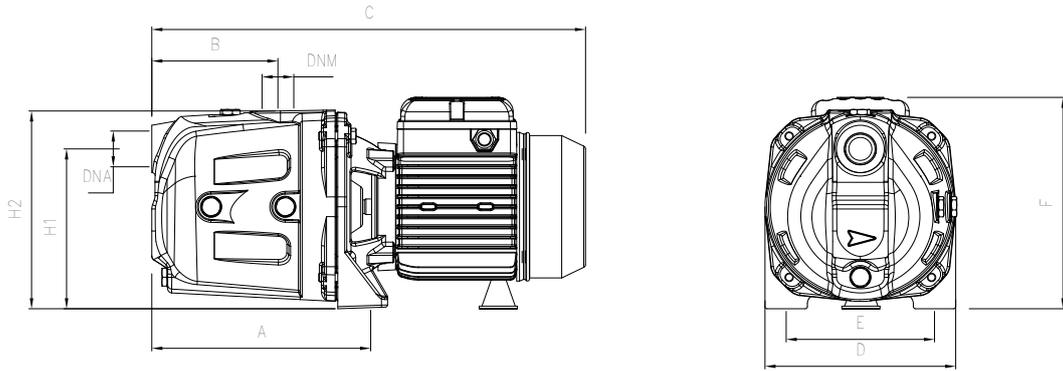
TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)								
1-	3-			1-	3-	1- 230V	3- 400V	0	0,6	1,2	1,8	2,4	3	3,3	3,6	4,2
		HP	kW	kW		A		H (m)								
CAM 50N	CAMT 50N	0,6	0,44	0,7	0,67	3,1	1,3	40,5	34,0	28,5	24,1	20,5	17,2	15,8		
CAM 75N	CAMT 75N	0,8	0,59	0,82	0,78	3,6	1,4	47,5	40,5	34,5	29,6	25,2	21,4	19,7		
CAM 100N	CAMT 100N	1	0,74	1,04	0,92	4,7	1,7	50,9	44,3	38,9	34,1	30,1	26,3	24,6	23,0	20,0
CAM 120	CAMT 120	1,2	0,88	1,14	1,07	5,2	1,9	55,1	48,5	42,6	37,8	33,5	29,7	27,9	26,2	23,0
CAM 140	CAMT 140	1,5	1,1	1,3	1,25	6,0	2,5	62,5	55,7	49,4	44,2	39,5	35,5	33,5	31,6	28,1

CAM

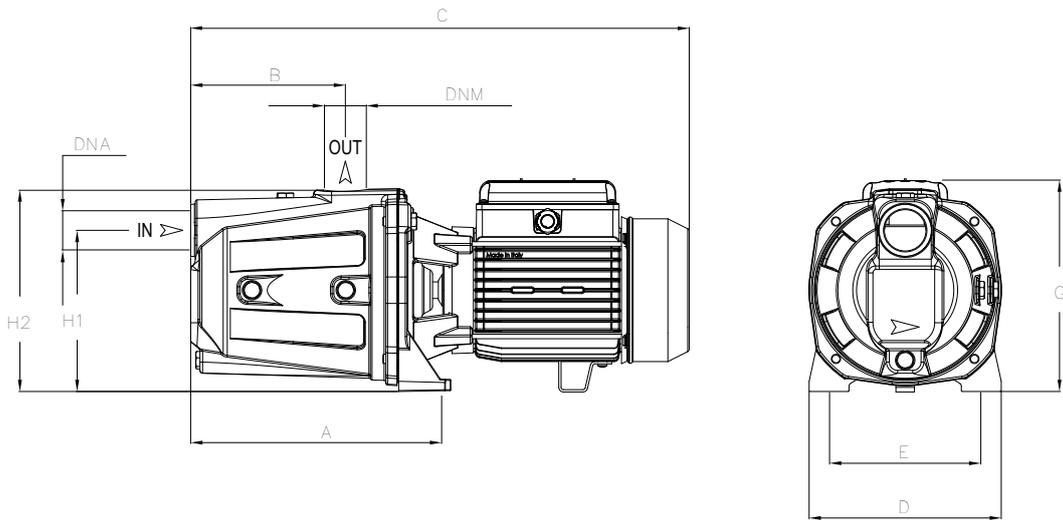


TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)						
1-	3-			1-	3-	1- 230V	3- 400V	0	1,2	2,4	3,6	4,8	6	7,2
		HP	kW	kW		A		0	20	40	60	80	100	120
		H (m)												
CAM 150	CAMT 150	2	1,5	1,9	1,8	8,5	3,7	54,8	48,9	43,6	38,8	34,5	30,6	26,8
CAM 200	CAMT 200	2,5	1,85	2,3	2,2	10,4	4,4	62,7	56,8	51,5	46,8	42,4	38,4	34,8
CAM 300	CAMT 300	3	2,2	2,7	2,6	12,5	5,2	70,0	63,9	58,3	53,5	49,2	45,1	41,6





TYPE		DIMENSIONS (mm)													
-1	-3	A	B	C	D	E	F	H1	H2	DNA	DNM	I	L	M	Kg
CAM 50N	CAMT 50N	214	119	410	180	140	195	150	185	1" G	1" G	440	194	215	
CAM 75N	CAMT 75N	214	119	410	180	140	195	150	185			440	194	215	12,5
CAM 100N	CAMT 100N	214	119	410	180	140	195	150	185			440	194	215	14
CAM 120	CAMT 120	214	119	410	180	140	195	150	185			440	194	215	14,5
CAM 140	CAMT 140	214	119	410	180	140	195	150	185			440	194	215	15

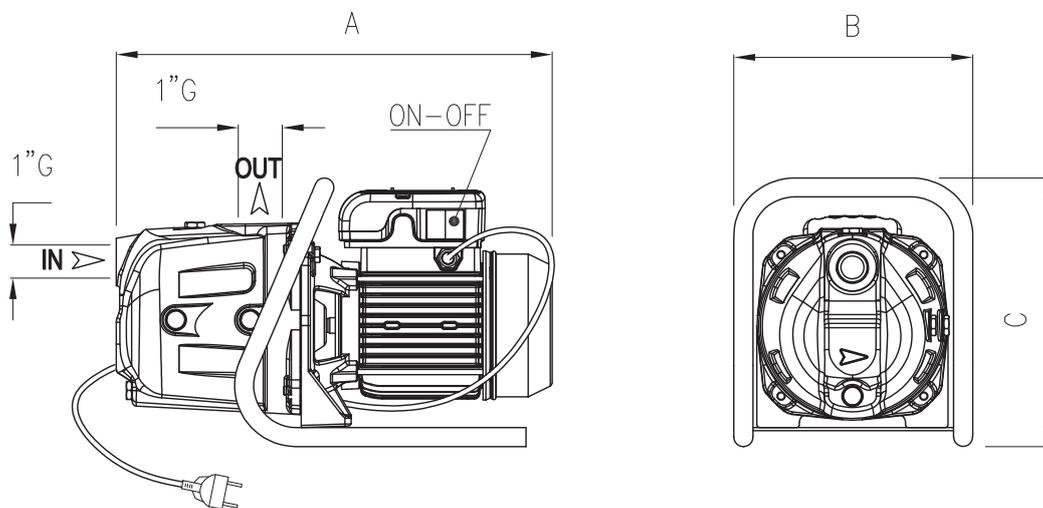


TYPE		DIMENSIONS (mm)														
-1	-3	A	B	C	D	E	G	H1	H2	DNA	DNM	I	L	M	-1	-3
CAM 150	CAMT 150	269,6	167	538	203	165	231,5	175	220	1" ½ G	1" ¼ G	565	235	232	29	30,5
CAM 200	CAMT 200	269,6	167	538	203	165	231,5	175	220			565	235	232	30	29,5
CAM 300	-	269,6	167	608	203	165	231,5	175	220			638	230	255	38	-
-	CAMT 300	269,6	167	538	203	165	231,5	175	220			565	235	232	-	30,5

CAM GARDEN

Portable electropumps complete with handle, cable with plug and switch.
The performances depend on adopted pump type.

TYPE - 50 Hz	P2		P1	Pipe		Performance	
	HP	kW	kW	Suction	Delivery	Q (l/min)	H (m)
CAM 50N GARDEN	0,6	0,44	0,7	1" G	1" G	10-55	34,0-15,8
CAM 75N GARDEN	0,8	0,59	0,82			10-55	40,5-19,7
CAM 100N GARDEN	1	0,74	1,04			10-70	44,3-20,0
CAM 120 GARDEN	1,2	0,88	1,14			10-70	48,5-23
CAM 140 GARDEN	1,5	1,1	1,3			10-70	55,7-28,1



TYPE	DIMENSIONS (mm)		
	A	B	C
CAM 50N GARDEN	410	266	252
CAM 75N GARDEN	410	266	252
CAM 100N GARDEN	410	266	252
CAM 120 GARDEN	410	266	252
CAM 140 GARDEN	410	266	252





Self-priming centrifugal pumps for domestic applications such as domestic systems where air is mixed with water. Recommended in combination with pressure set for water transfer, rainwater harvesting and garden irrigation systems.

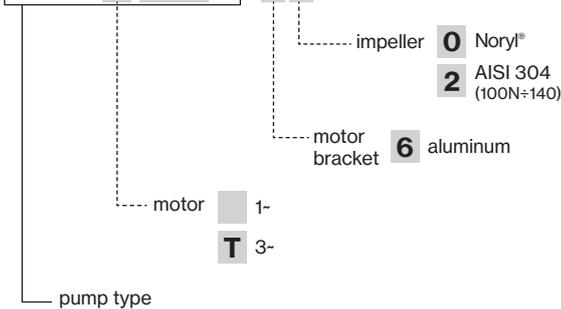
Construction features

Pump body	stainless steel AISI 304
Motor bracket	aluminum
Impeller	Noryl® Noryl®, AISI 304 (100N÷140)
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 50 °C
Operating pressure	max 8 bar

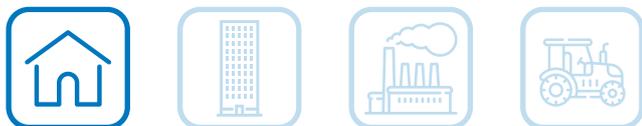
Motor

	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4

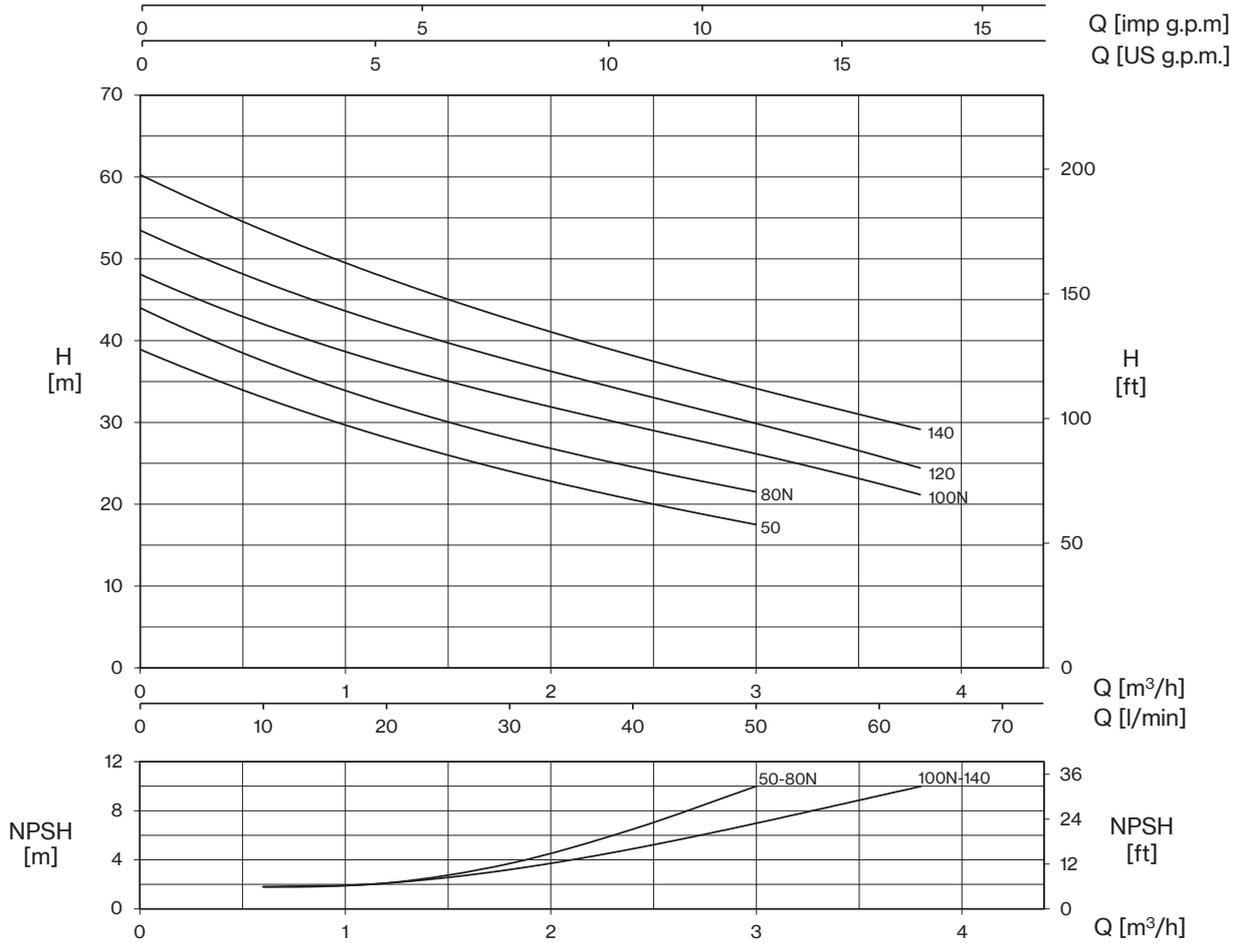
INOXT 100N/6 2



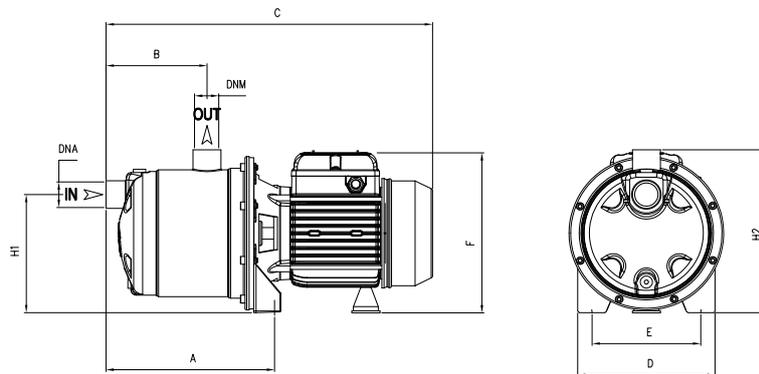
TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
INOX	85×110×150	60	85×110×190	80



INOX



TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)							
1~	3~			1~	3~	1~ 230V	3~ 400V	0	0,6	1,2	1,8	2,4	3	3,6	3,8
		HP	kW	kW		A		H (m)							
INOX 50	INOXT 50	0,6	0,44	0,67	0,63	2,9	1,2	38,9	33,1	28,1	24,0	20,6	17,5		
INOX 80N	INOXT 80N	0,8	0,59	0,75	0,76	3,3	1,4	44,0	37,5	32,3	28,0	24,6	21,5		
INOX 100N	INOXT 100N	1	0,74	1,04	0,92	4,7	1,7	48,0	42,3	37,0	33,0	29,6	26,2	22,7	21,0
INOX 120	INOXT 120	1,2	0,88	1,14	1,03	5,2	1,9	53,4	47,4	41,9	37,5	33,7	29,9	26,0	24,3
INOX 140	INOXT 140	1,5	1,1	1,3	1,23	6,0	2,5	60,2	53,6	47,8	42,4	38,0	34,4	30,5	29,0



TYPE		DIMENSIONS (mm)													
-1	-3	A	B	C	D	E	F	H1	H2	DNA	DNM	I	L	M	Kg
INOX 50	INOXT 50	208	128	410	175	140	215	153	210			430	210	235	8,5
INOX 80N	INOXT 80N	208	128	410	175	140	215	153	210			430	210	235	9,5
INOX 100N	INOXT 100N	208	128	410	175	140	215	153	210	1" G	1" G	430	210	235	10,5
INOX 120	INOXT 120	208	128	410	175	140	215	153	210			430	210	235	11
INOX 140	INOXT 140	208	128	410	175	140	215	153	210			430	210	235	11,5



INOX GARDEN-BOX

Portable electropumps complete with handle, cable with plug and switch.
The performances depend on adopted pump type.

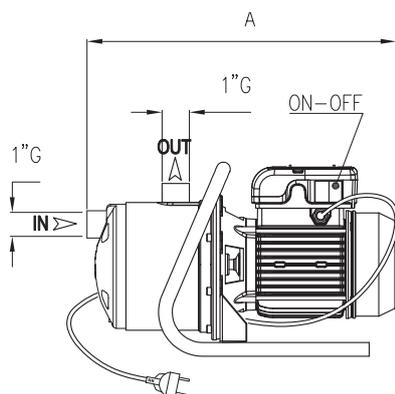


INOX GARDEN

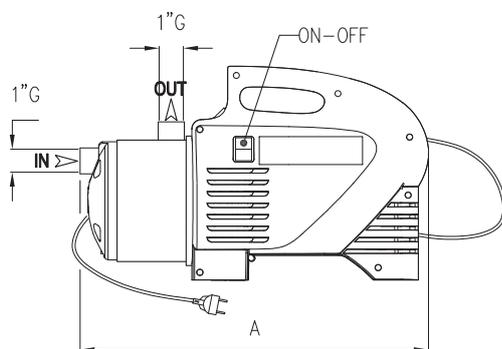
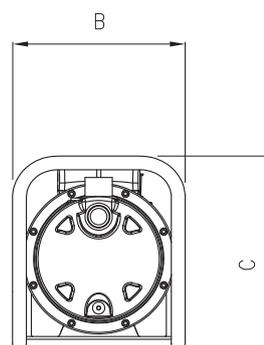


INOX BOX

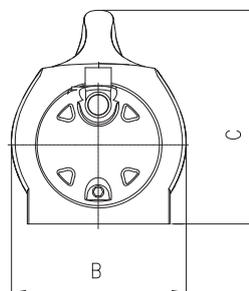
TYPE - 50 Hz	P2		P1	Pipe		Performance	
	HP	kW	kW	Suction	Delivery	Q (l/min)	H (m)
INOX 100N GARDEN-BOX	1	0,74	1,04	1" G	1" G	10-63,3	42,3-21,0



INOX GARDEN



INOX BOX



TYPE	DIMENSIONS (mm)		
	A	B	C
INOX 100N GARDEN	410	175	285
INOX 100N BOX	429	209	287

ULTRA A

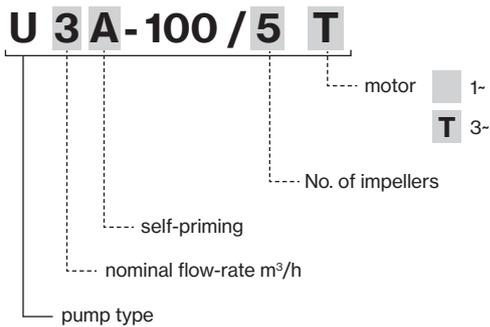
Self-priming



Self-priming horizontal multistage stainless steel pumps suitable for domestic use, also in combination with autoclave tank. Suitable for drinking water or glycol, for water treatment, heating, air conditioning and washing systems.

Construction features	
Pump body, mechanical seal housing	stainless steel AISI 304
Motor bracket	aluminum
Impellers, diffusers	Noryl®
Mechanical seal	ceramic-graphite-EPDM
Motor shaft	stainless steel AISI 303
Liquid temperature	-5 ÷ +35 °C
Operating pressure	max 7 bar

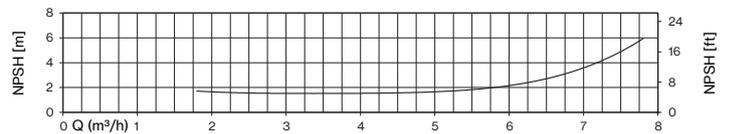
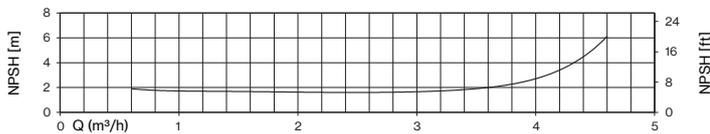
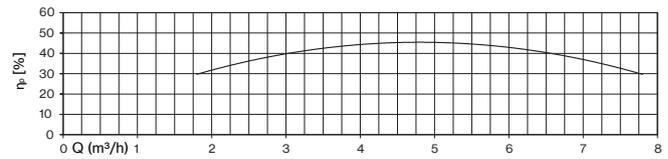
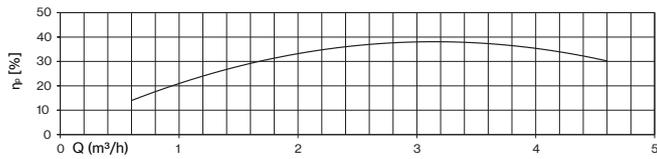
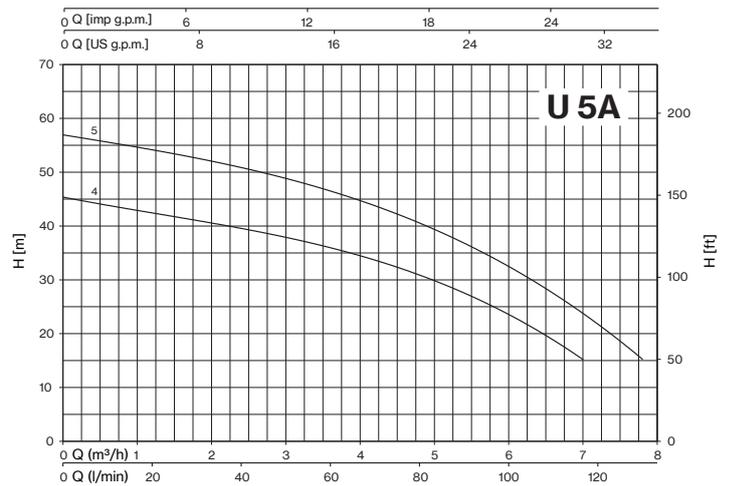
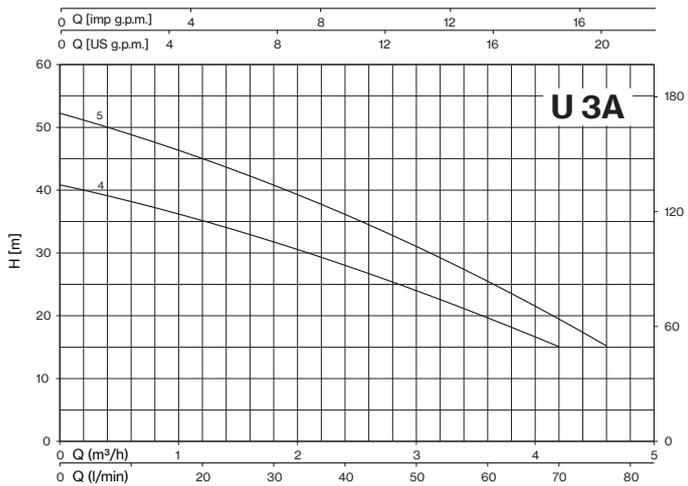
Motor	
	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection up to 1.85 kW)
Insulation class	F
Protection degree	IPX4



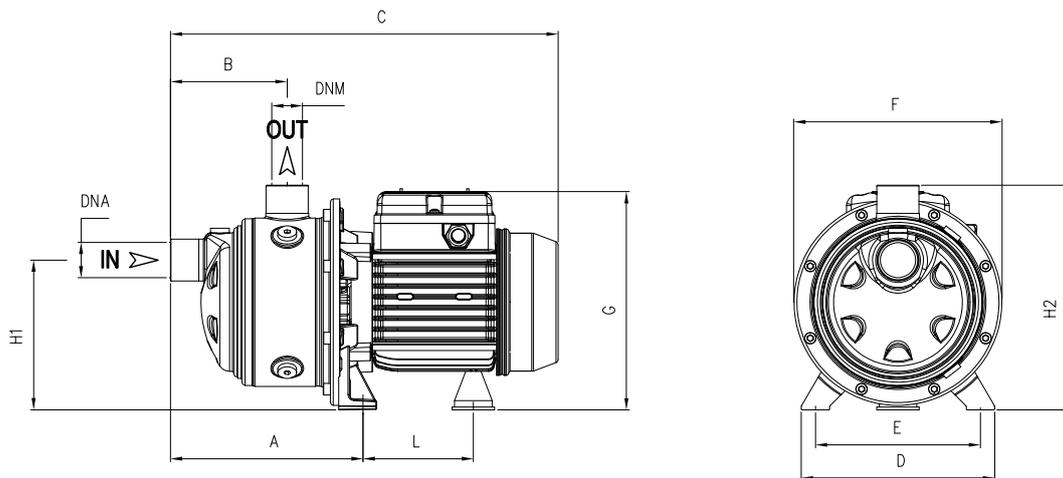
TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
U 3A-90/4	85×110×160	70	85×110×185	80
U 3A-100/5	80×120×150	42	80×120×175	49
U 5A-120/4	80×120×150	42	80×120×175	49
U 5A-150/5	80×120×150	42	80×120×175	49



ULTRA A



TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)												
1~	3~			1~	3~	1~ 230V	3~ 400V	0	0,6	1,2	1,8	2,4	3,6	4,2	4,6	4,8	6	7	7,8	
		HP	kW	kW		A		H (m)												
U 3A-90/4	U 3A-90/4T	0,9	0,66	0,9	0,88	4	1,8	40,8	38,3	35,1	31,8	27,9	19,8	15,0						
U 3A-100/5	U 3A-100/5T	1	0,75	1,06	1,01	4,8	1,9	52,2	48,9	45,1	40,8	36,0	25,4	19,8	15,0					
U 5A-120/4	U 5A-120/4T	1,2	0,9	1,13	1,13	5,2	2,5	45,3			41,3	39,6	35,6	33,4	31,7	30,8	24,0	15,0		
U 5A-150/5	U 5A-150/5T	1,5	1,1	1,47	1,39	6,8	2,8	56,8			53,0	51,0	46,1	43,2	41,2	40,1	33,0	24,0	15,0	



TYPE		DIMENSIONS (mm)												Kg
-1	-3	A	B	C	D	E	F	G	L	H1	H2	DNA	DNM	
U 3A-90/4	U 3A-90/4T	238,8	175	405	164	140	176	190	93,7	128	192	1" G	1" G	9
U 3A-100/5	U 3A-100/5T	262,8	199	452	164	140	176	203	104,7	128	192			11,5
U 5A-120/4	U 5A-120/4T	238,8	175	428	164	140	176	203	104,7	128	192	1" G	1" G	11,5
U 5A-150/5	U 5A-150/5T	262,8	199	514	164	140	176	211	128,2	134	198			14,5



ULTRA SA

Self-priming



Self-priming horizontal multistage stainless steel pumps suitable for domestic use, also in combination with autoclave tank. Suitable for drinking water or glycol, for water treatment, heating, air conditioning and washing systems.

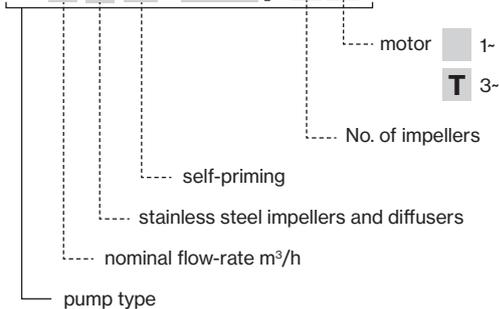
Construction features

Pump body, mechanical seal housing	stainless steel AISI 304
Motor bracket	aluminum
Impellers, diffusers	stainless steel AISI 304
Mechanical seal	ceramic-graphite-EPDM
Motor shaft	stainless steel AISI 303
Liquid temperature	-15 ÷ +110 °C
Operating pressure	max 7 bar

Motor

	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection up to 1.85 kW)
Insulation class	F
Protection degree	IPX4

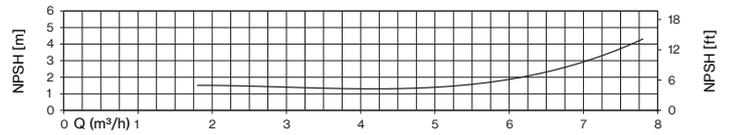
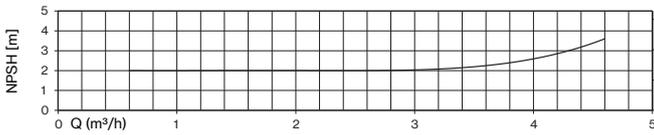
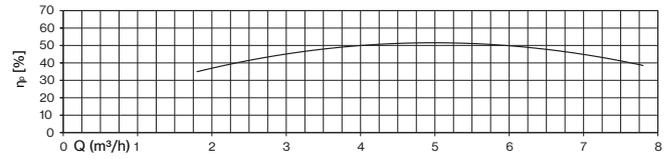
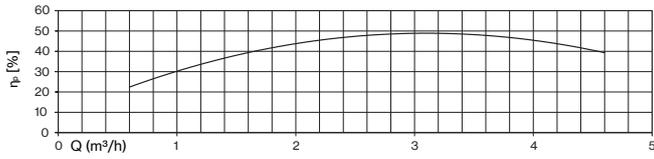
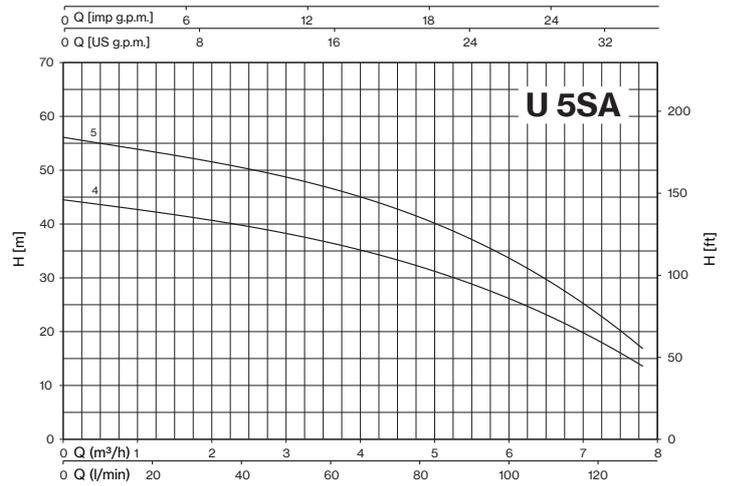
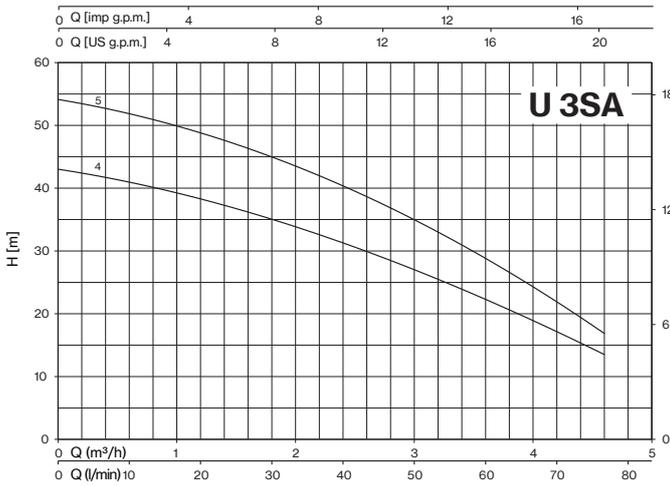
U 3 S A - 100 / 5 T



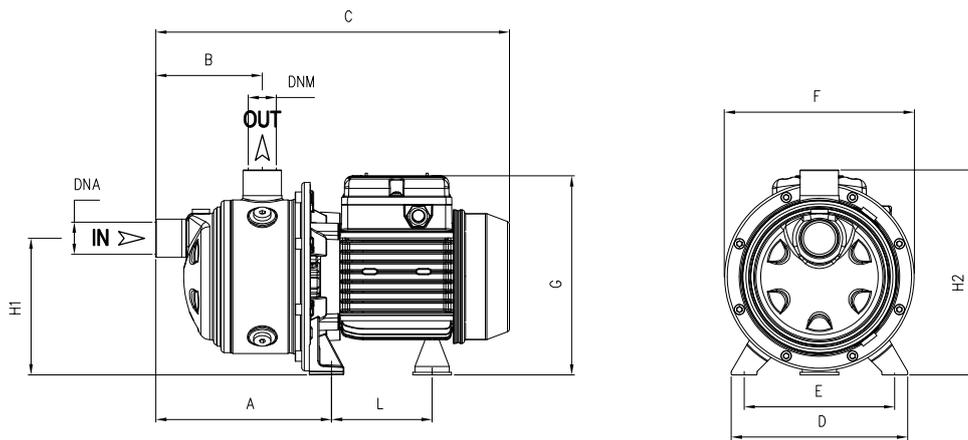
TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
U 3SA-90/4	85×110×160	70	85×110×185	80
U 3SA-100/5	80×120×150	42	80×120×175	49
U 5SA-120/4	80×120×150	42	80×120×175	49
U 5SA-150/5	80×120×150	42	80×120×175	49



ULTRA SA



TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)												
1~	3~			1~	3~	1~ 230V	3~ 400V	0	0,6	1,2	1,8	2,4	3,6	4,6	4,8	6	7	7,8		
		HP	kW	kW		A		H (m)												
U 3SA-90/4	U 3SA-90/4T	0,9	0,66	0,83	0,8	3,6	1,7	43,0	41,0	38,3	35,0	31,3	22,3	13,5						
U 3SA-100/5	U 3SA-100/5T	1	0,75	0,99	0,92	4,4	1,7	54,0	52,1	48,8	44,9	40,2	29,0	16,8						
U 5SA-120/4	U 5SA-120/4T	1,2	0,9	1,09	1,08	4,9	2,4	44,5			41,0	40,0	36,4	32,8	32,0	26,2	18,5	13,5		
U 5SA-150/5	U 5SA-150/5T	1,5	1,1	1,39	1,31	6,5	2,7	56,0			52,4	50,5	46,4	42,0	41,0	33,8	23,8	16,5		



TYPE		DIMENSIONS (mm)												Kg
-1	-3	A	B	C	D	E	F	G	L	H1	H2	DNA	DNM	
U 3SA-90/4	U 3SA-90/4T	238,8	175	405	164	140	176	190	93,7	128	192	1" G	1" G	10
U 3SA-100/5	U 3SA-100/5T	262,8	199	452	164	140	176	203	104,7	128	192			12,5
U 5SA-120/4	U 5SA-120/4T	238,8	175	428	164	140	176	203	104,7	128	192			12,5
U 5SA-150/5	U 5SA-150/5T	262,8	199	514	164	140	176	211	128,2	134	198			15,5



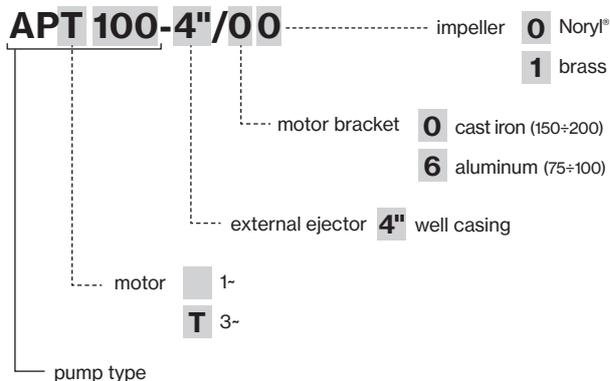
Self-priming centrifugal pumps with 4" external ejector. Suitable for water supply (even if mixed with air) of small domestic systems, that can be connected to an autoclave tank.

Construction features

Pump body	cast iron
Motor bracket	aluminum (75-100) cast iron (150-200)
Impeller	Noryl® or brass
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 416 (75-100) stainless steel AISI 303 hydraulic part (150-200)
Liquid temperature	0 - 50 °C
Operating pressure	max 8 bar

Motor

	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4



TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
AP 75-100	85×110×145	60	85×110×190	80
AP 150-200	80×120×140	35	80×120×190	49



AP 75÷100

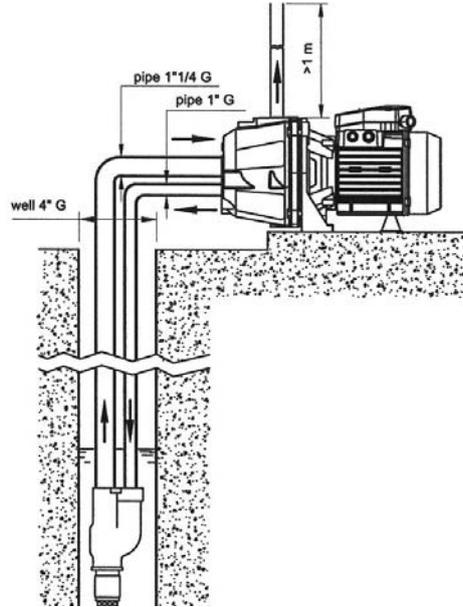


AP 150÷200

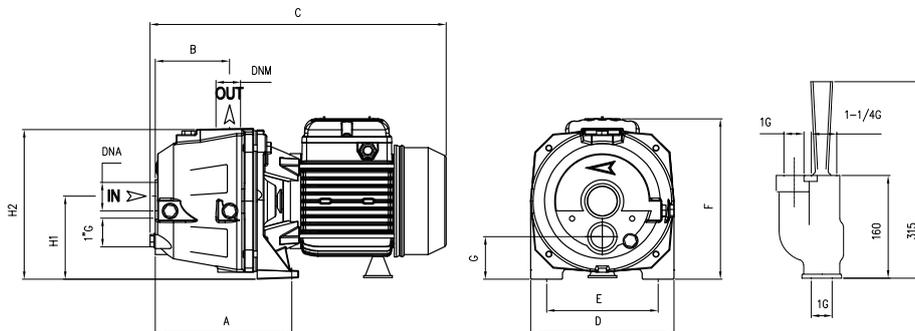


4"





TYPE - 50 Hz		P2		P1		CURRENT		Ejector type	Suction depth. m	Q (m ³ /h - l/min)									
1-	3-	HP	kW	1-	3-	1- 230V	3- 400V			H (m)									
										0,18	0,36	0,6	0,9	1,2	1,5	1,8	2,1	3	3,6
AP 75	APT 75	0,8	0,59	0,8	0,81	3,7	1,4	P 20	15	31	28	25	22	19	17	15	12		
									20	28	23	18	15	13	11				
AP 100	APT 100	1	0,74	1,02	1,05	4,7	2,3	P 30	25	22	16	11	8						
									30	14	8								
AP 150	APT 150	1,5	1,1	1,65	1,65	8,2	3	P 20	15	40	37	34	30	27	24	21	18		
									20	37	34	30	25	21	17				
AP 200	APT 200	2	1,5	2,22	2,22	10,3	4,1	P 30	25	30	25	20	14	11					
									30	14	8								
AP 150	APT 150	1,5	1,1	1,65	1,65	8,2	3	P 20	15						50	42	35	25	21
									20						45	37	30	27	
AP 200	APT 200	2	1,5	2,22	2,22	10,3	4,1	P 30	35			49	41	20					
									40		49	40	20						
AP 200	APT 200	2	1,5	2,22	2,22	10,3	4,1	P 20	15								46	35	30
									20										
AP 200	APT 200	2	1,5	2,22	2,22	10,3	4,1	P 20	25						50	44	40	28	23
									35										28
AP 200	APT 200	2	1,5	2,22	2,22	10,3	4,1	P 30	40			49	40	30					
									50										



TYPE		DIMENSIONS (mm)											M			Kg
-1	-3	A	B	C	D	E	F	G	H1	H2	DNA	DNM	I	L	M	
AP 75	APT 75	168	82	360	180	140	195	52	97	188	1" 1/4 G	1" G	440	200	225	16
AP 100	APT 100	168	82	360	180	140	195	52	97	188			440	200	225	18
AP 150	APT 150	125	74	415	220	177	230	60	112	240			525	230	280	28,5
AP 200	APT 200	125	74	415	220	177	230	60	112	240			525	230	280	29





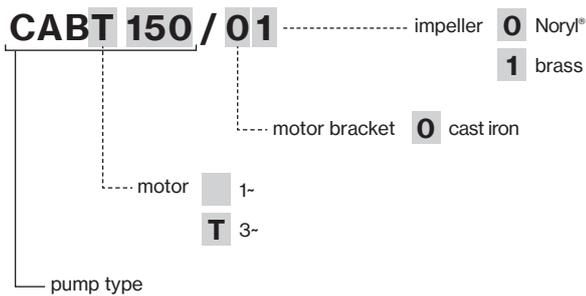
Self-priming centrifugal pumps for water supply (also mixed with air) of small and medium domestic and civil installations, that can be connected to an autoclave tank.

Construction features

Pump body	cast iron
Motor bracket	cast iron
Impeller	Noryl® or brass
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 303 hydraulic side
Liquid temperature	0 - 50 °C
Operating pressure	max 8 bar

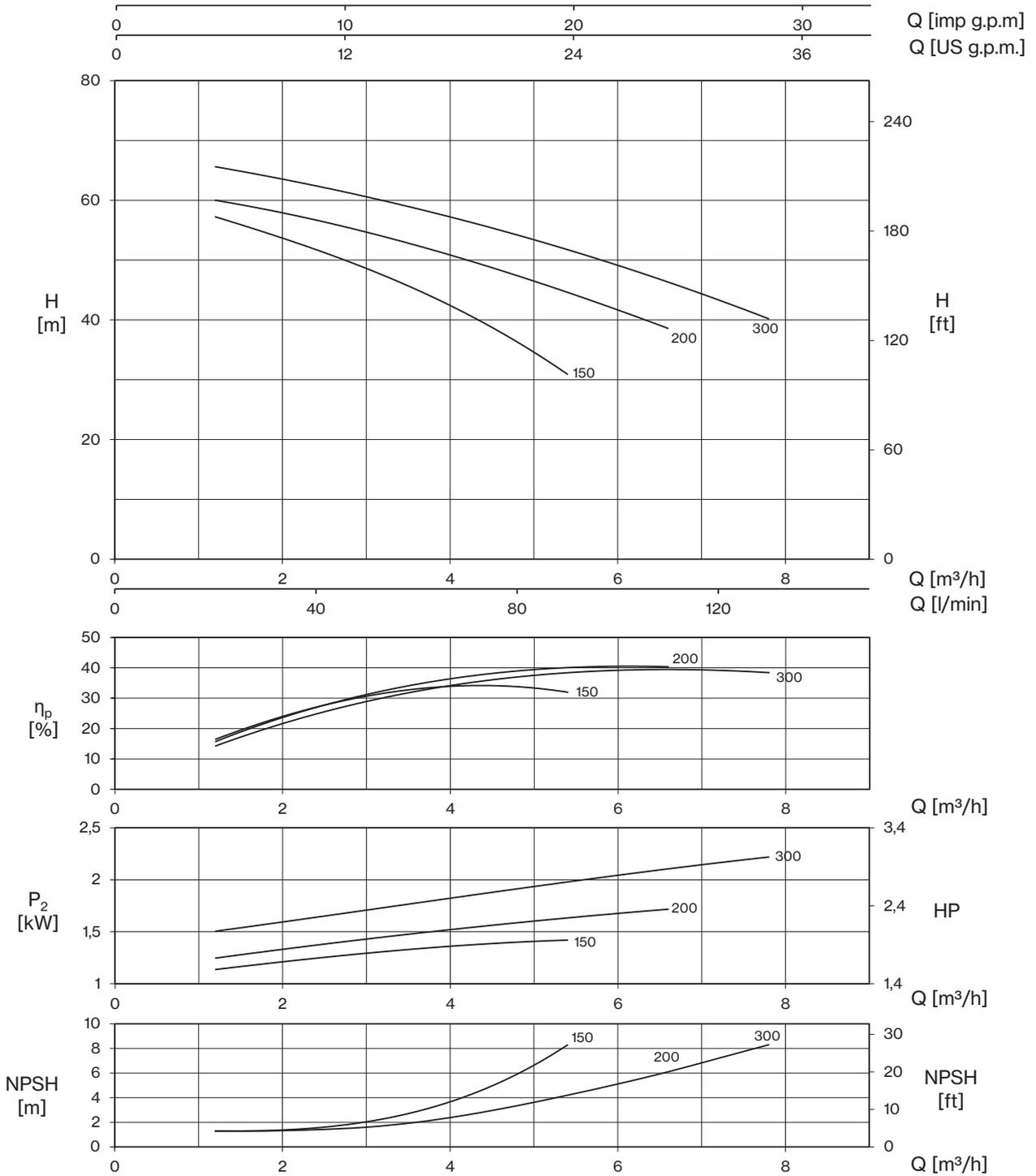
Motor

	3- 230/400V - 50Hz
2 Poles induction motor	1- 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4



TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
CAB	85×110×140	30	85×110×190	42

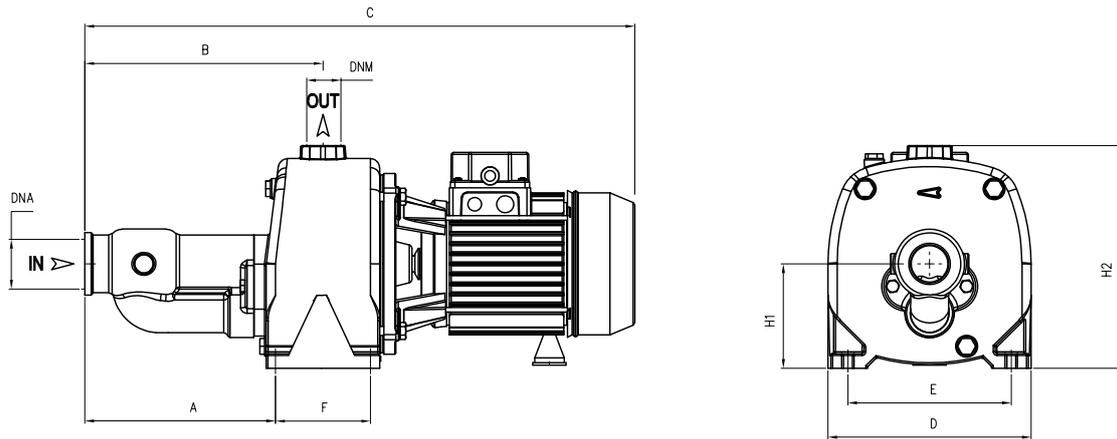




TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)							
1~	3~			1~	3~	1~ 230V	3~ 400V	0	1,2	1,8	3	4,2	5,4	6,6	7,8
		HP	kW	kW		A		H (m)							
				1~	3~	0	20	30	50	70	90	110	130		
CAB 150	CABT 150	2	1,5	1,8	1,7	8,2	3,6	61,5	57,2	54,7	48,5	40,9	30,8		
CAB 200	CABT 200	2,5	1,85	2,2	2,1	9,9	4,3	62,8	60,0	58,5	54,7	50,1	44,5	38,7	
CAB 300	CABT 300	3	2,2	2,8	2,6	13,0	5,2	68,4	65,6	64,0	60,7	56,5	51,7	46,4	40,2



CAB



TYPE		DIMENSIONS (mm)														
-1	-3	A	B	C	D	E	F	H1	H2	DNA	DNM	I	L	M	-1	-3
CAB 150	CABT 150	204	257	626	220	177	105	112	240	1" 1/2 G	1" G	638	230	255	33	34
CAB 200	CABT 200	204	257	626	220	177	105	112	240			638	230	255	32,5	33
CAB 300	-	204	257	696	220	177	105	112	240			777	259	280	42	-
-	CABT 300	204	257	626	220	177	105	112	240			638	230	255	-	34





Multi-stage centrifugal pumps, horizontal and self-priming, particularly suitable for constructing small and medium sized pressurisation systems; able to suck liquids mixed with air.

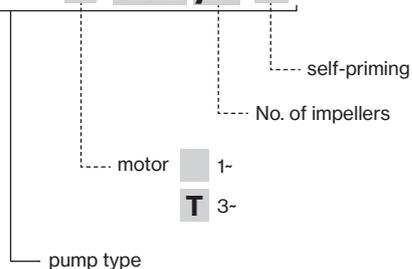
Construction features

Pump body	cast iron
Motor bracket	cast iron
Impeller	Noryl®
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 50 °C
Operating pressure	max 11 bar

Motor

	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4

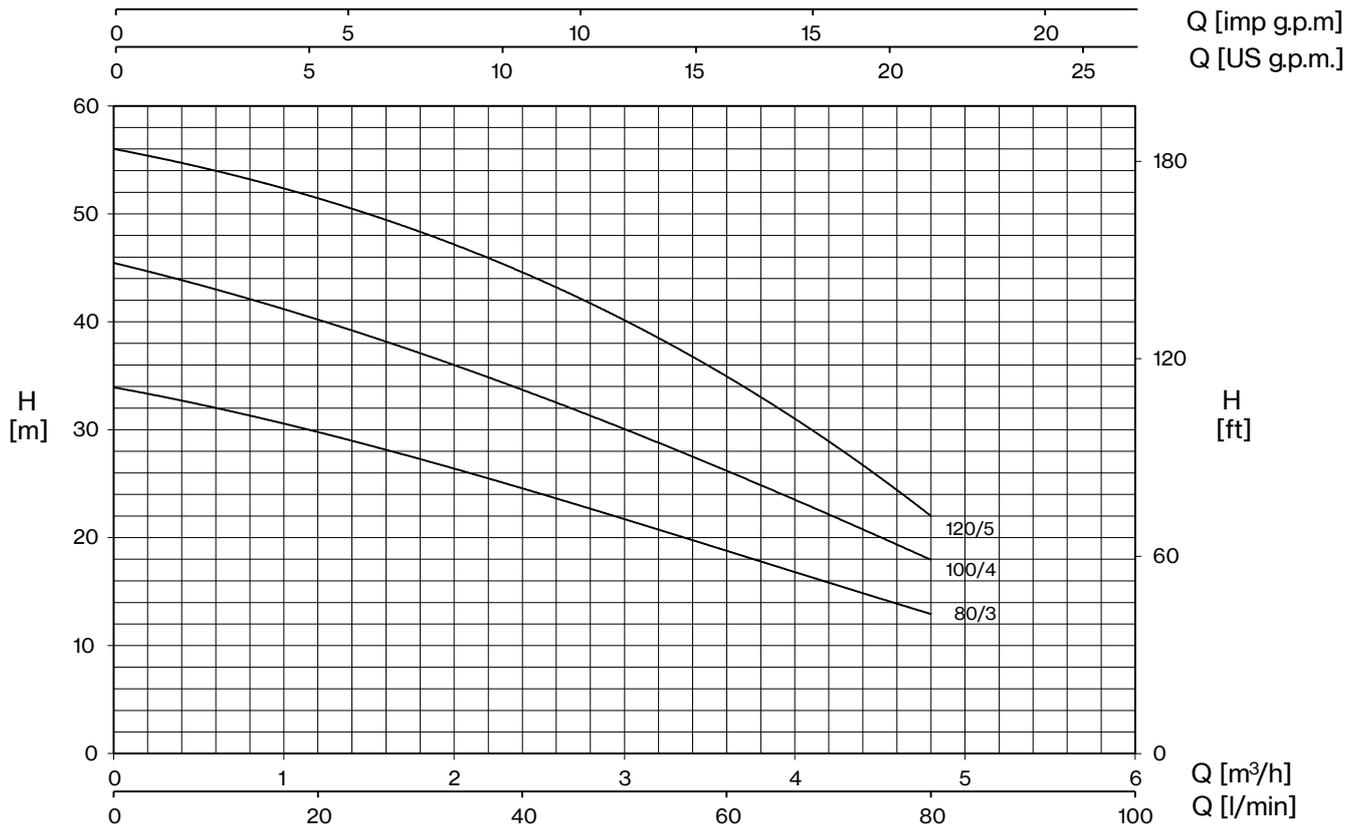
MP T 100 /4 A



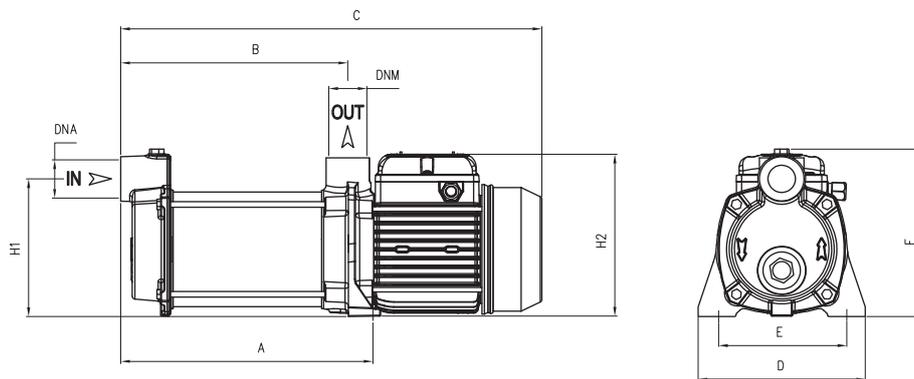
TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
MP/A	80×120×150	48	80×120×190	64



MP/A



TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)				
1~	3~			1~	3~	1~ 230V	3~ 400V	0	1,2	2,4	3,6	4,8
		HP	kW	kW		A		H (m)				
MP 80/3 A	MPT 80/3 A	0,8	0,59	0,83	0,88	3,8	1,6	34,0	29,5	25,0	18,5	13,0
MP 100/4 A	MPT 100/4 A	1	0,74	1,07	1,1	5,0	1,9	45,5	40,0	34,0	26,0	18,0
MP 120/5 A	MPT 120/5 A	1,2	0,88	1,27	1,33	6,1	2,3	56	51,5	44,5	35,0	22,0



TYPE		DIMENSIONS (mm)													
~1	~3	A	B	C	D	E	F	H1	H2	DNA	DNM	I	L	M	Kg
MP 80/3 A	MPT 80/3 A	245	224	425	180	140	185	150	175			440	200	215	14
MP 100/4 A	MPT 100/4 A	270	240	450	180	140	185	150	175	1" G	1" G	500	200	215	15,5
MP 120/5 A	MPT 120/5 A	295	264	475	180	140	185	150	175			500	200	215	16





Multi-stage centrifugal pumps, horizontal and self-priming, particularly suitable for constructing small and medium sized pressurisation systems; able to suck liquids mixed with air.

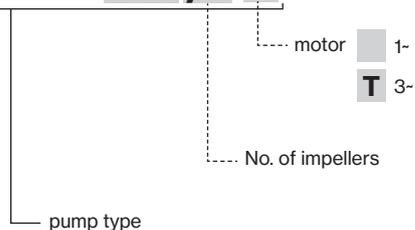
Construction features

Pump body	stainless steel AISI 304
Motor bracket	aluminum
Impeller	Noryl®
Mechanical seal	ceramic-graphite-NBR
Pump shaft	stainless steel AISI 416
Liquid temperature	0 - 50 °C
Operating pressure	max 8 bar

Motor

	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4

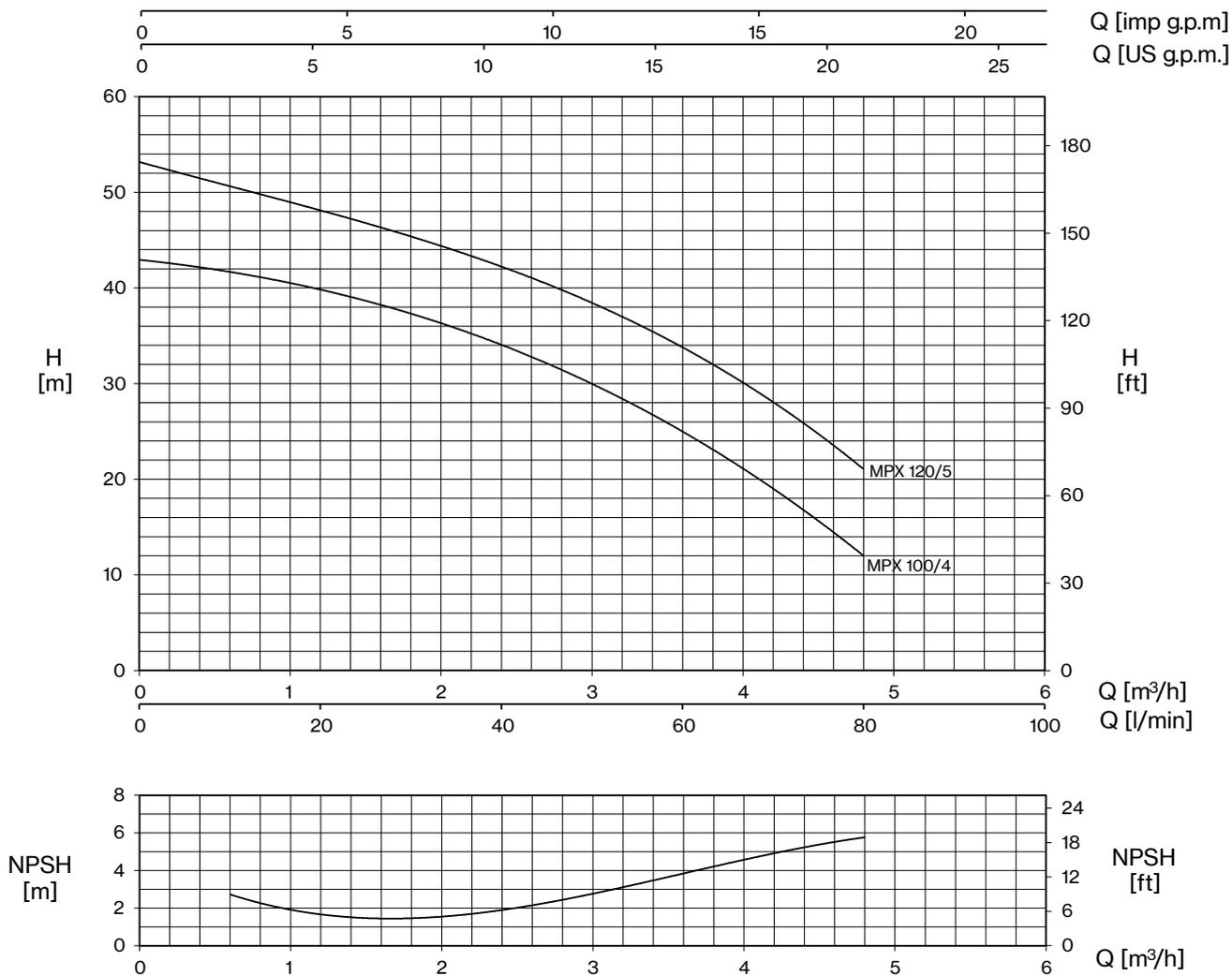
MPX 100 /4 T



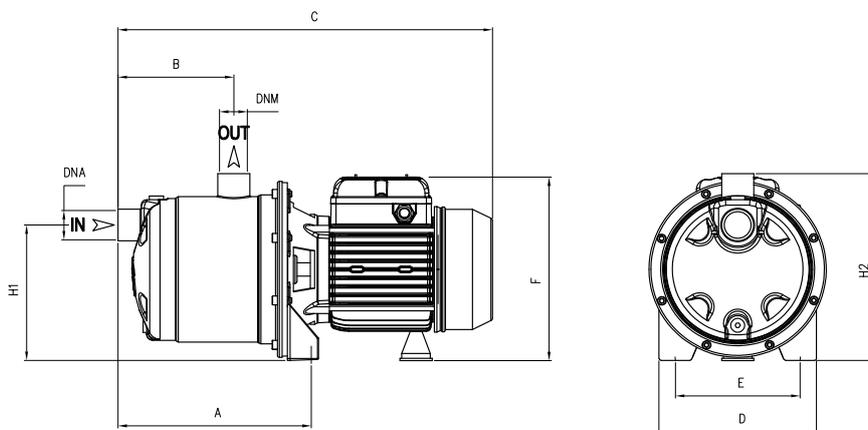
TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
MPX	85×110×170	60	85×110×190	80



MPX



TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)					
1~	3~	HP	kW	1~	3~	1~ 230V	3~ 400V	0	0,6	1,2	2,4	3,6	4,8
								0	10	20	40	60	80
				kW		A		H (m)					
MPX 100/4	MPXT 100/4	1	0,74	1,07	1,1	5,0	1,9	43,0	41,5	40,0	34,0	25,0	12,0
MPX 120/5	MPXT 120/5	1,2	0,88	1,27	1,33	6,1	2,3	53,0	51,0	48,0	42,0	34,0	21,0



TYPE		DIMENSIONS (mm)													
-1	-3	A	B	C	D	E	F	H1	H2	DNA	DNM	I	L	M	Kg
MPX 100/4	MPXT 100/4	208	128	410	175	140	215	153	210	1" G	1" G	430	210	235	
MPX 120/5	MPXT 120/5	208	128	410	175	140	215	153	210	1" G	1" G	430	210	235	11,5



MPX GARDEN-BOX

Portable electropumps complete with handle, cable with plug and switch.
The performances depend on adopted pump type.

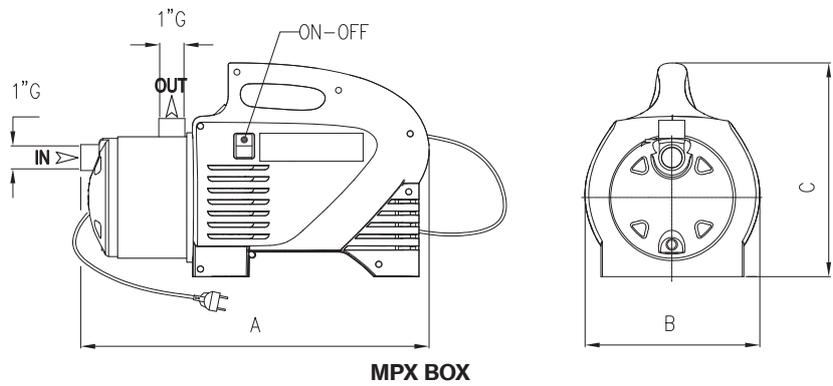
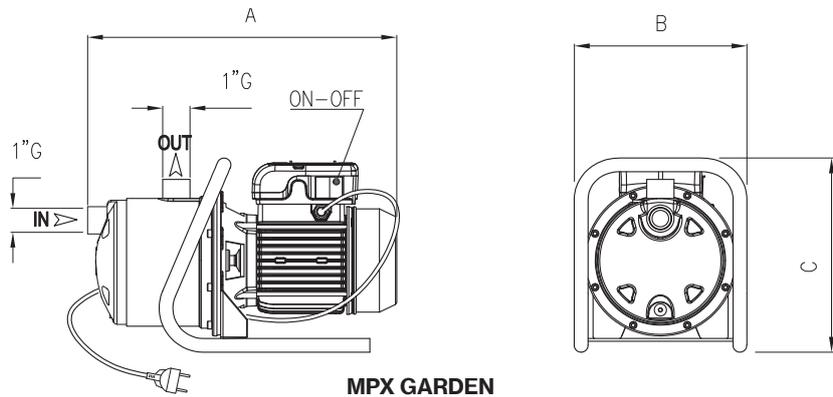


MPX GARDEN



MPX BOX

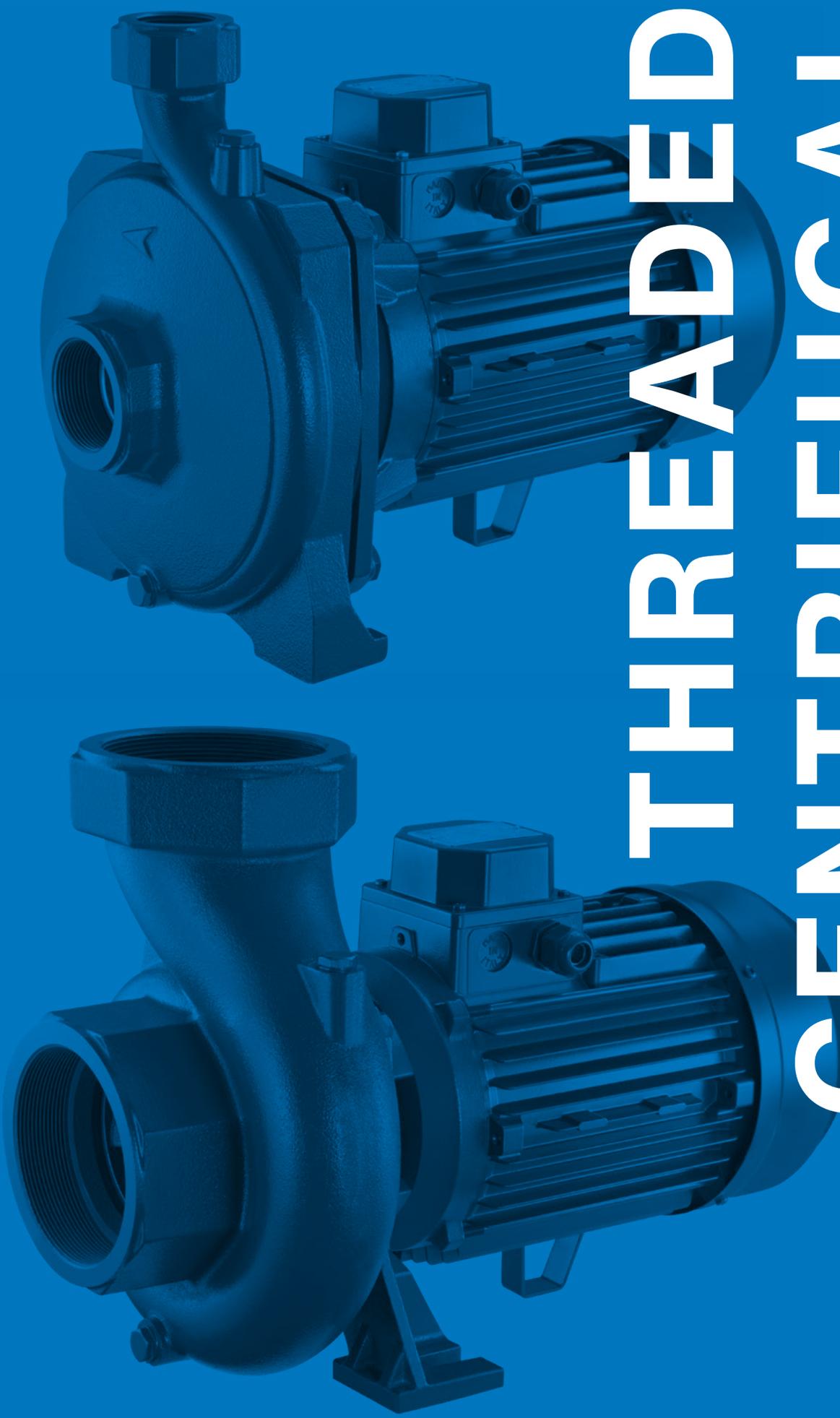
TYPE - 50 Hz	P2		P1	Pipe		Performance	
	HP	kW	kW	Suction	Delivery	Q (l/min)	H (m)
MPX 100/4 GARDEN-BOX	1	0,74	1,07	1" G	1" G	10,0-80,0	41,5-12,0
MPX 120/5 GARDEN-BOX	1,2	0,88	1,27	1" G	1" G	10,0-80,0	51,0-21,0



TYPE	DIMENSIONS (mm)		
	A	B	C
MPX 100/4 GARDEN	410	175	285
MPX 120/5 GARDEN	410	175	285
MPX 100/4 BOX	429	209	287
MPX 120/5 BOX	429	209	287

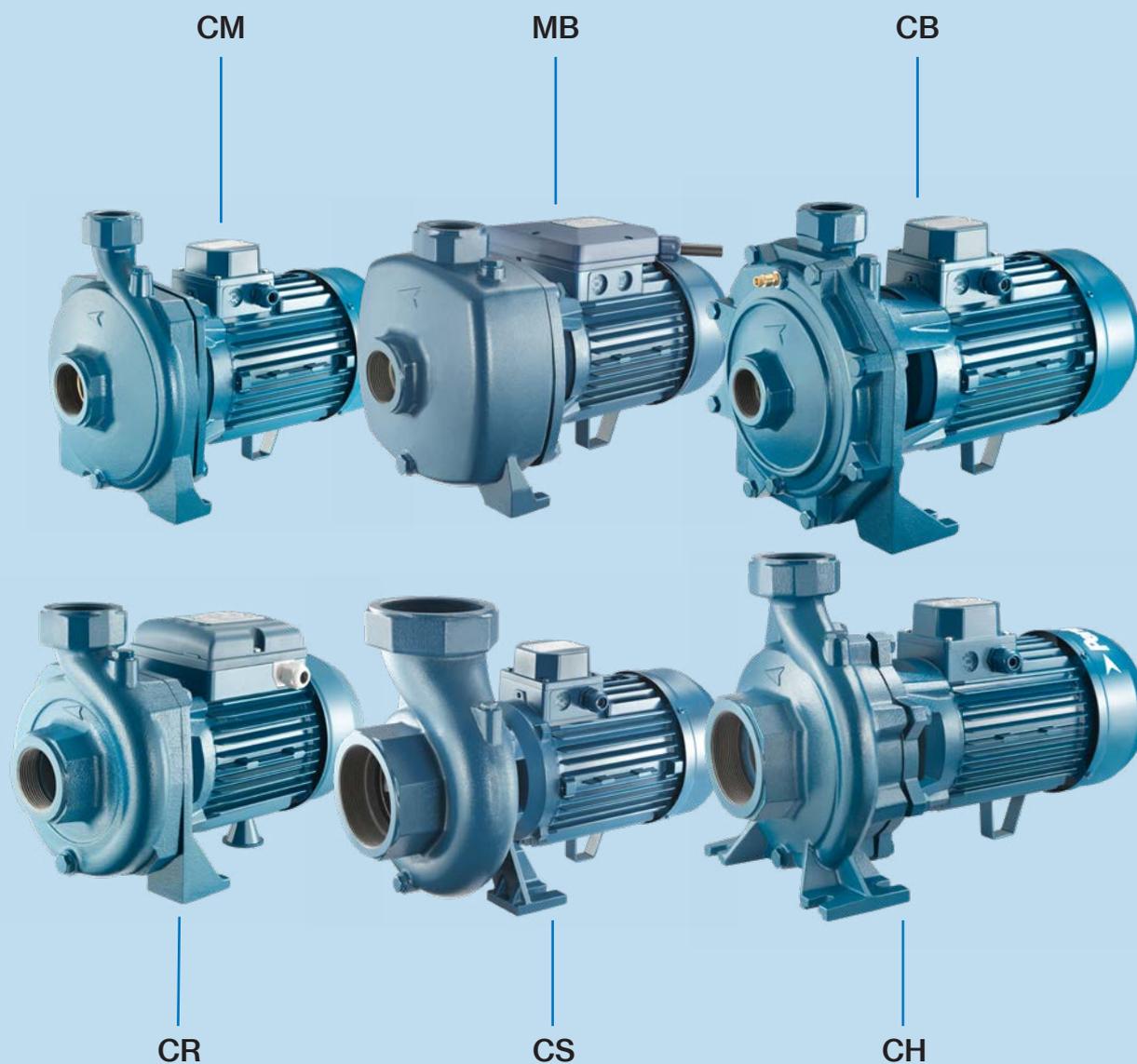






THREADED CENTRIFUGAL

THREADED CENTRIFUGAL PUMPS

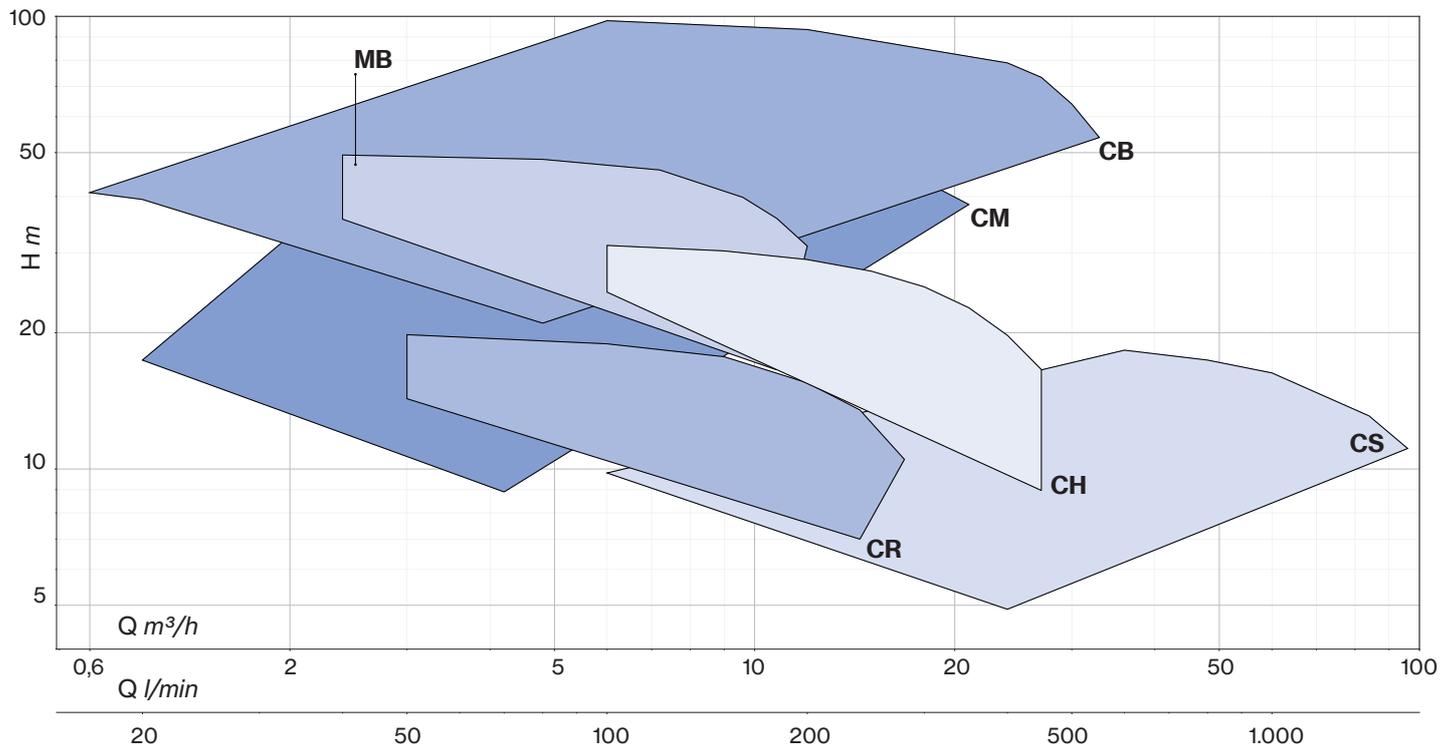


Extremely silent single and double impeller centrifugal pumps, designed for a wide range of applications

Applications:

- Water supply
- Pressurization
- Water circulation systems for heating and air conditioning
- Liquid transfer in industry and horticulture

THREADED CENTRIFUGAL PUMPS





Single-impeller centrifugal pumps, extremely quiet, suitable for domestic, civil and industrial applications. The pumps guarantee constant pressure at the variation of flow rates.

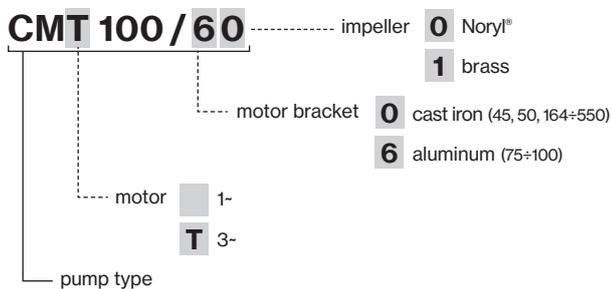
Construction features

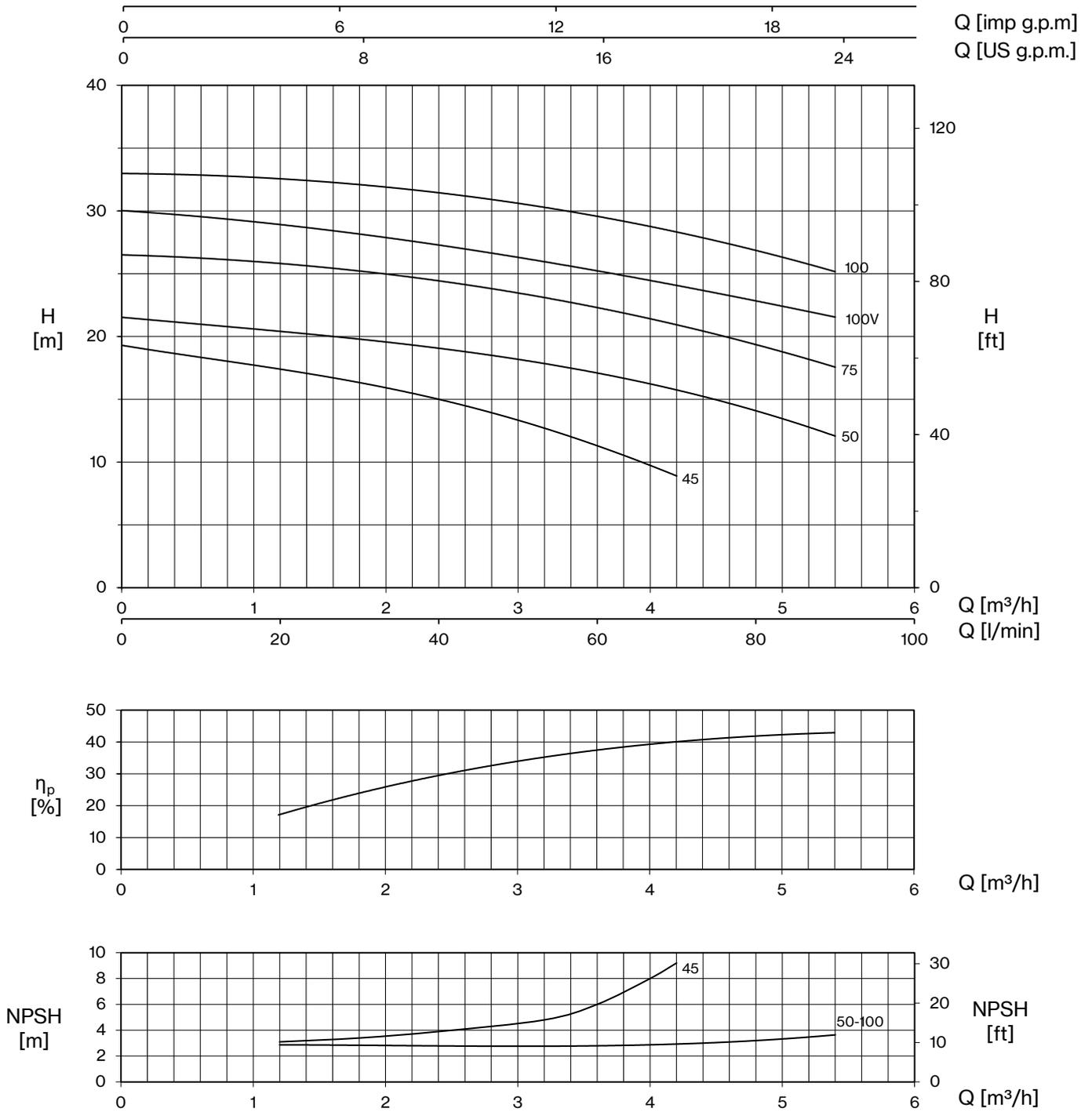
Pump body	cast iron
Motor bracket	cast iron (45, 50, 164÷550) aluminum (75÷100)
Impeller	Noryl® (45) Noryl® or brass (50÷314) brass (400-550)
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 416 (45÷100) stainless steel AISI 303 (164÷550)
Liquid temperature	Noryl® impeller: 0 - 50 °C brass impeller: 0 - 90 °C
Operating pressure	max 6 bar (45÷100) max 8 bar (164÷550)

Motor

	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection up to MEC 80)
Insulation class	F
Protection degree	IPX4

TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
CM 45-50	80×120×145	102	80×120×190	136
CM 75-100	85×110×145	65	85×110×195	91
CM 164÷314	85×110×140	40	85×110×170	60
CM 314 (1-)	85×110×150	24	85×110×180	30
CM 400-550	85×110×150	24	85×110×180	30

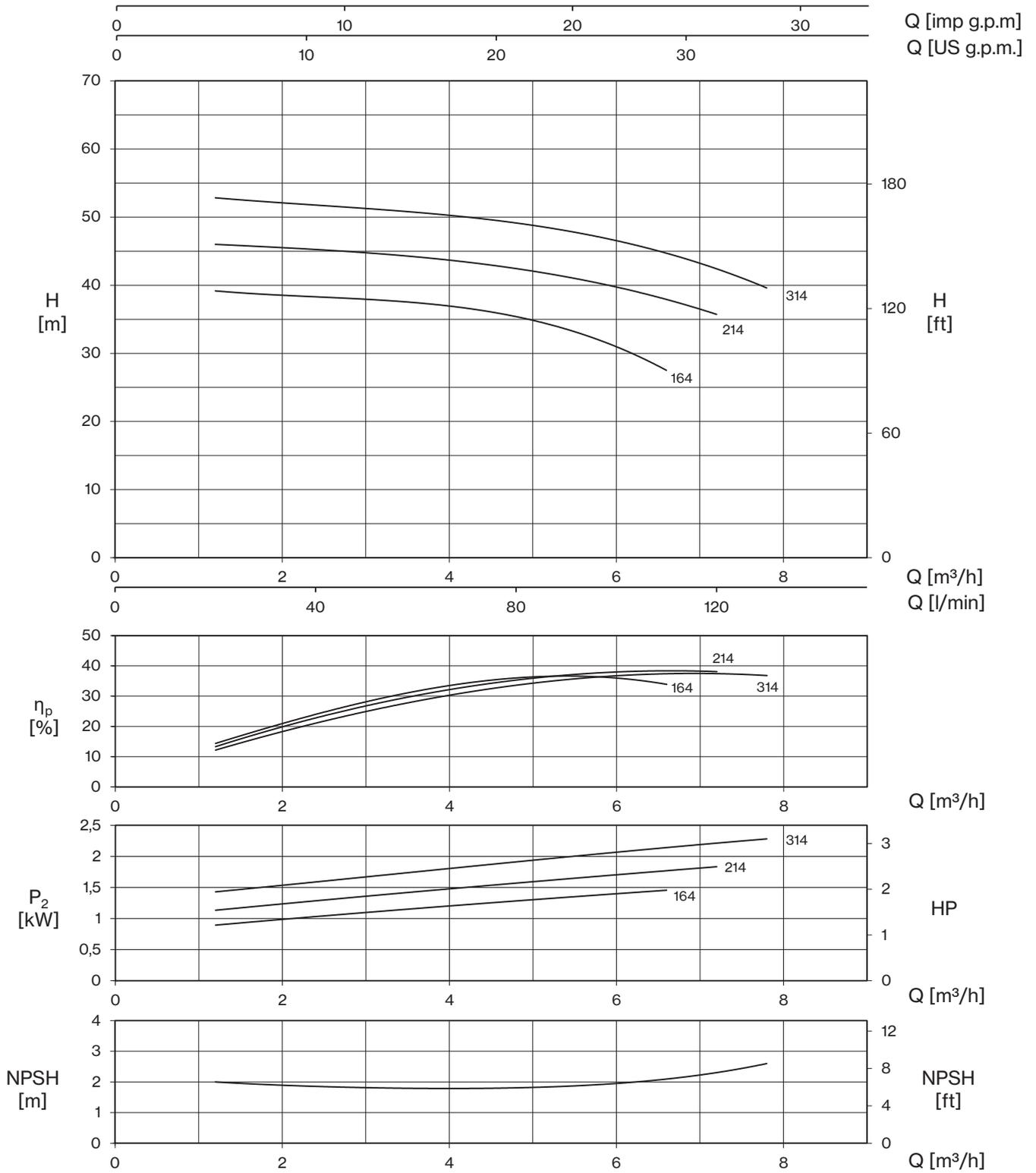




TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)							
1~	3~			1~	3~	1~ 230V	3~ 400V	0	1,2	2,4	3,6	4,2	4,8	5,4	
		HP	kW	kW		A		0	20	40	H (m)				
								0	20	40	60	70	80	90	
CM 45	CMT 45	0,4	0,3	0,51	0,56	2,3	1,0	19,3	17,4	15,0	11,3	8,9			
CM 50	CMT 50	0,5	0,37	0,59	0,65	2,8	1,1	21,5	20,5	19,0	17,0	15,8	14,2	12,0	
CM 75	CMT 75	0,8	0,59	0,9	0,94	4,5	1,7	26,5	25,8	24,5	22,2	20,9	19,5	17,5	
CM 100 V	-	1	0,74	1,05	-	4,6	-	30,0	29,0	27,2	25,2	24,1	22,9	21,5	
CM 100	CMT 100	1	0,74	1,16	1,17	5,7	2,0	33,0	32,5	31,5	29,6	28,3	26,8	25,2	

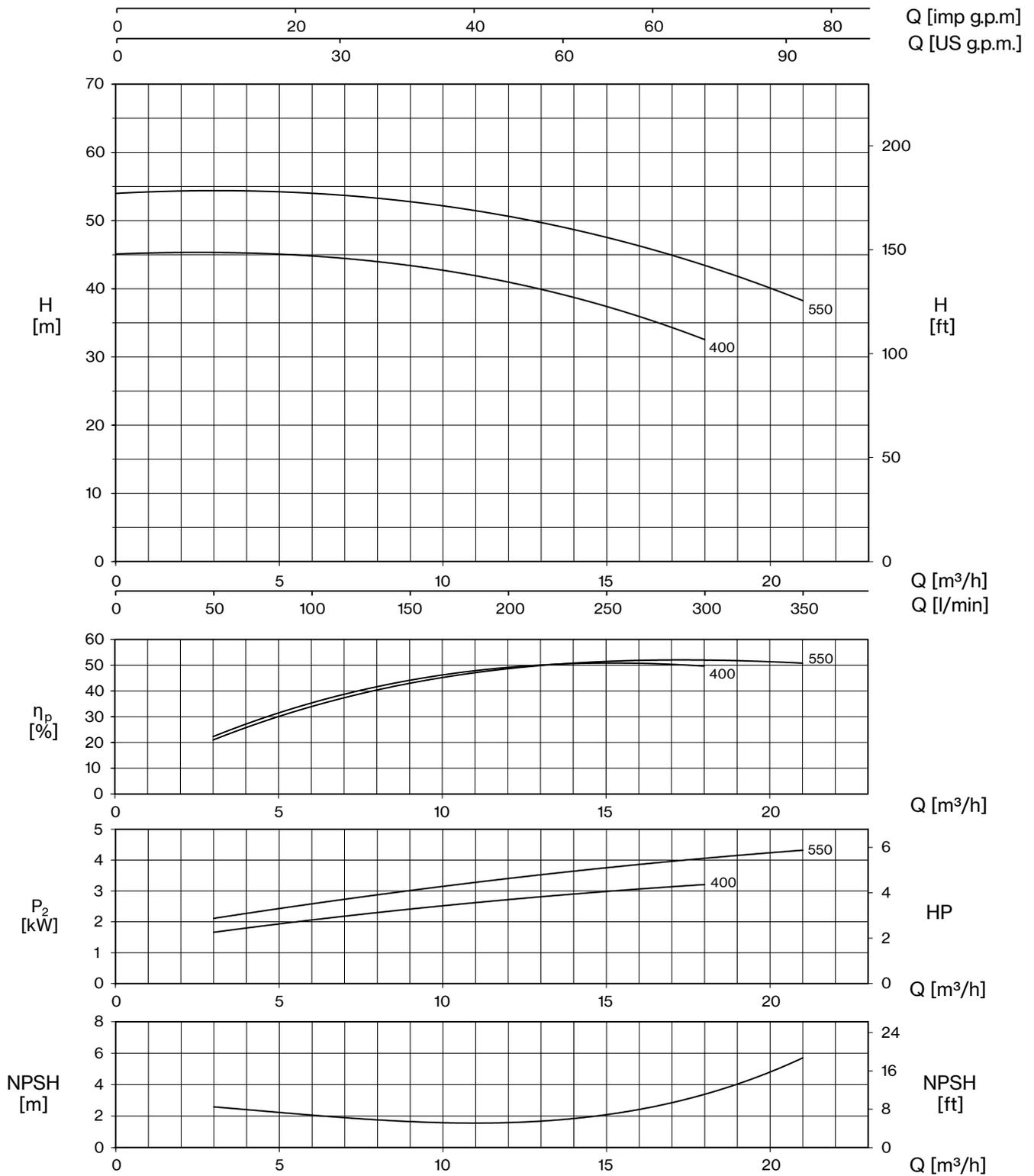


CM



TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)								
1-	3-			1-	3-	1- 230V	3- 400V	0	1,2	2,4	3,6	4,8	6	6,6	7,2	7,8
		HP	kW	kW		A		H (m)								
CM 164	CMT 164	2	1,5	1,8	1,8	8,2	3,7	39,4	39,1	38,6	37,2	35,2	31,5	27,2		
CM 214	CMT 214	2,5	1,85	2,3	2,2	10,4	4,4	46,3	45,9	45,5	44,1	42,1	39,8	38,2	35,5	
CM 314	CMT 314	3	2,2	2,8	2,6	13,0	5,2	53,2	52,7	52,1	50,8	48,8	46,3	45,0	42,9	39,2

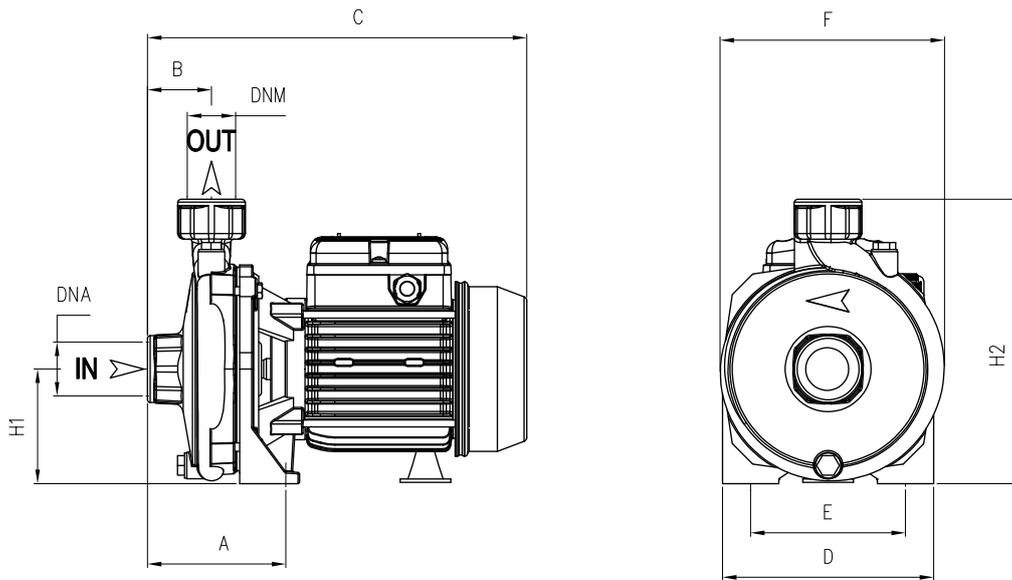




TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)							
1-	3-			1-	3-	1- 230V	3- 400V	0	3	6	9	12	15	18	21
		HP	kW	kW		A		H (m)							
CM 400	CMT 400	4	3	3,6	3,7	16,0	6,7	45,1	45,2	44,9	43,4	40,9	37,4	32,5	
-	CMT 550	5,5	4	-	4,9	-	9,0	54,1	54,1	54,0	52,9	50,7	47,5	43,2	38,4

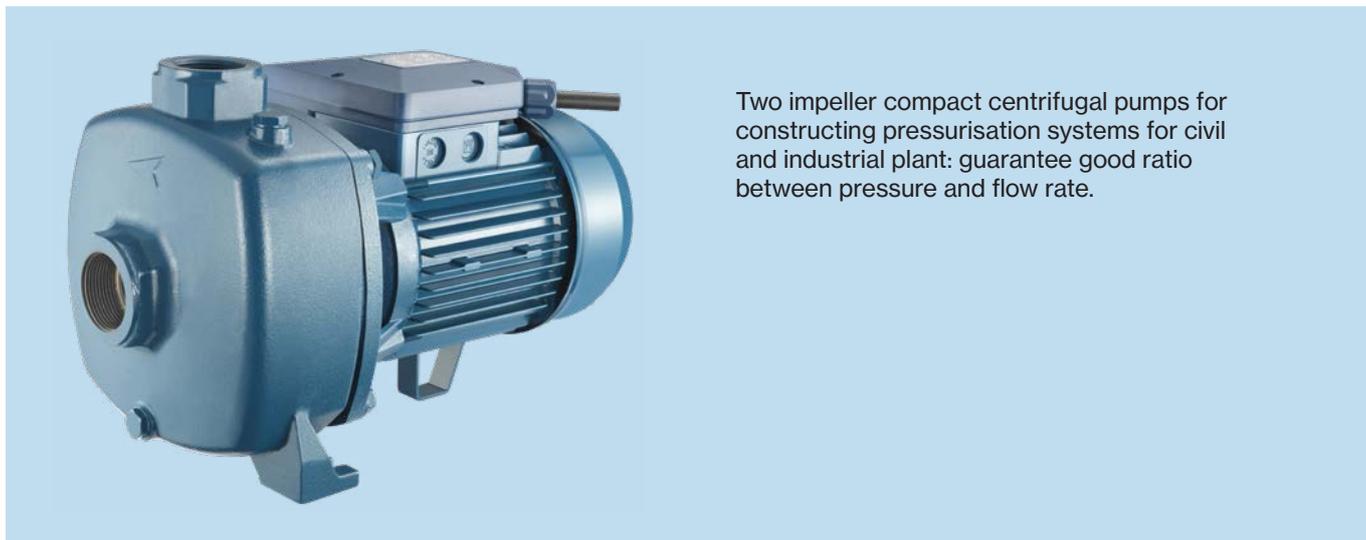


CM



TYPE		DIMENSIONS (mm)														
-1	-3	A	B	C	D	E	F	H1	H2	DNA	DNM	I	L	M	-1	-3
CM 45	CMT 45	95	45,5	265	150	110	160	82	202	1" G	1" G	290	175	225	8,5	8,5
CM 50	CMT 50	95	45,5	265	150	110	160	82	202			290	170	230	9,5	9,5
CM 75	CMT 75	110	46,5	300	180	140	185	97	234	1" G	1" G	325	200	265	13,5	13
CM 100 V	-	110	46,5	300	180	140	185	97	234			325	200	265	14	-
CM 100	CMT 100	110	46,5	300	180	140	185	97	234	1" ¼ G	1" G	420	230	309	25,5	26,5
CM 164	CMT 164	117	46,5	378	220	180	225	115	285			420	230	309	26,5	25,5
CM 214	CMT 214	117	46,5	378	220	180	225	115	285	1" ¼ G	1" G	520	235	320	34,5	-
CM 314	-	117	46,5	446	220	180	225	115	285			420	230	309	-	27
-	CMT 314	117	46,5	378	220	180	225	115	285	2" G	1" ¼ G	480	255	342	46	41,5
CM 400	CMT 400	108	54	460	240	190	250	133	323			480	255	342	-	45,5
-	CMT 550	108	54	460	240	190	250	133	323							





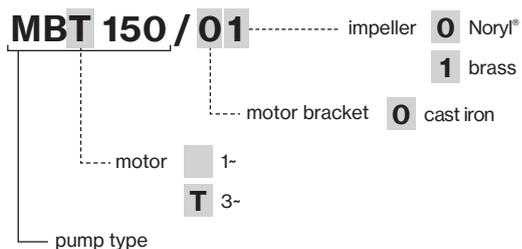
Two impeller compact centrifugal pumps for constructing pressurisation systems for civil and industrial plant: guarantee good ratio between pressure and flow rate.

Construction features

Pump body	cast iron
Motor bracket	cast iron
Impeller	Noryl® or brass
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 303
Liquid temperature	0 - 50 °C
Operating pressure	max 8 bar

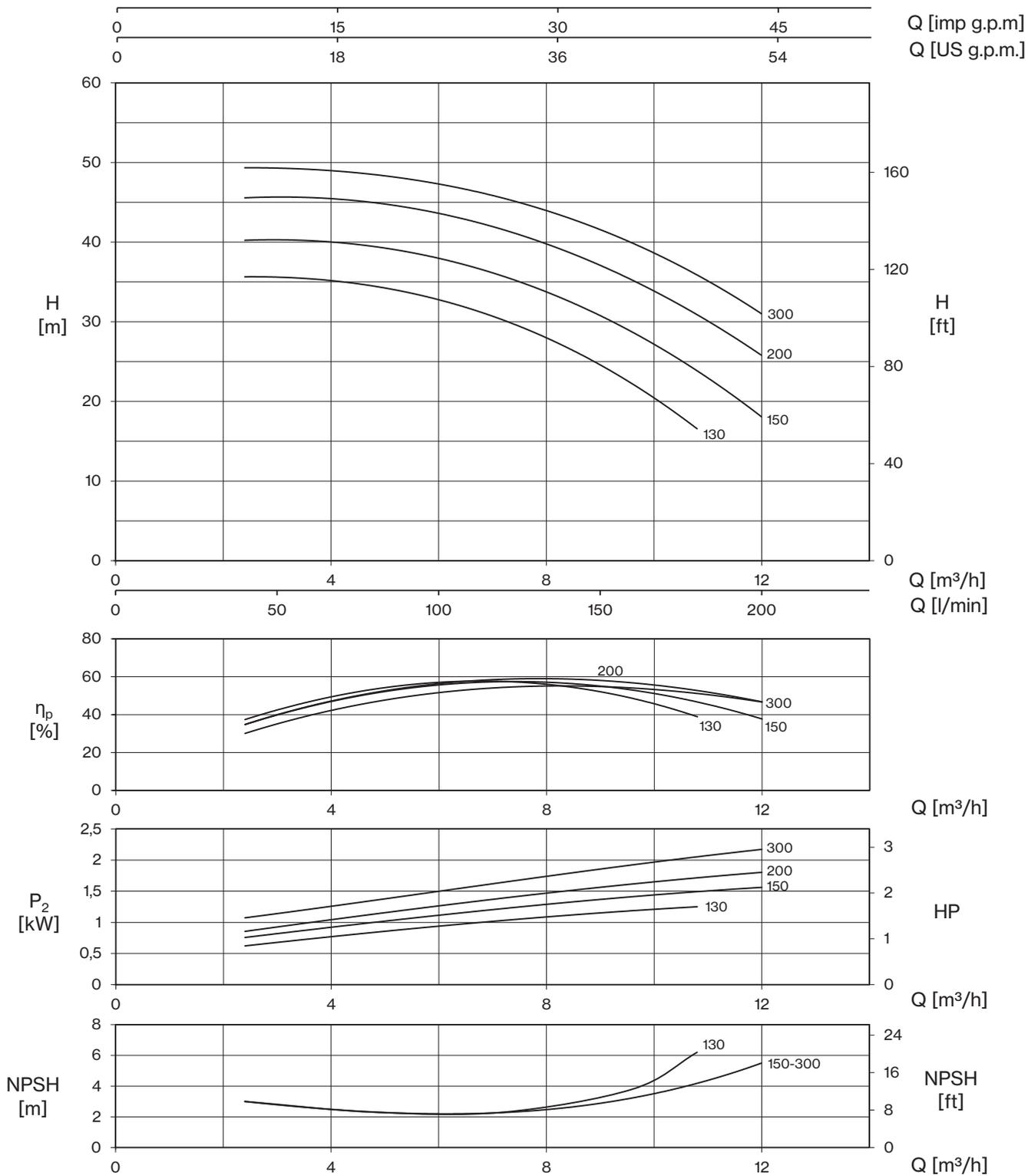
Motor

	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4



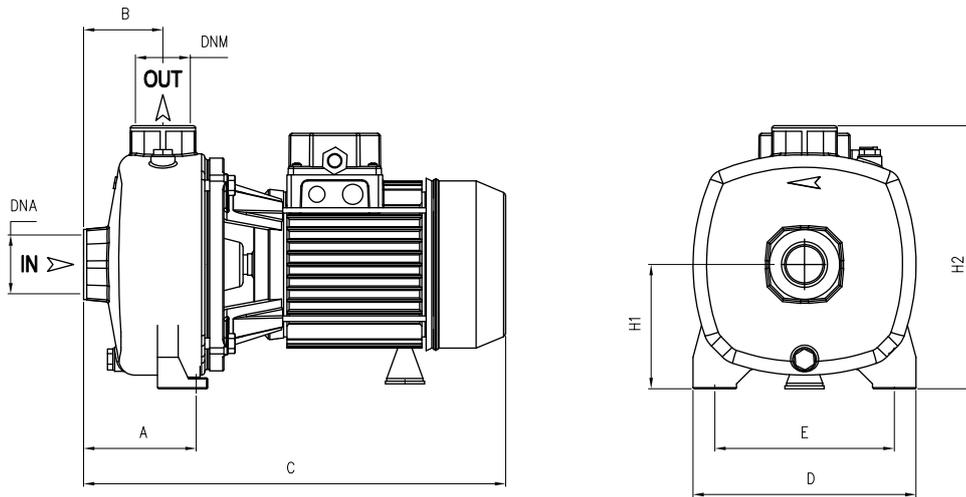
TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
MB	85×110×130	40	85×110×190	60





TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)						
1~	3~			1~	3~	1~ 230V	3~ 400V	0	2,4	4,8	7,2	9,6	10,8	12
		HP	kW	kW		A		0	40	80	120	160	180	200
		H (m)												
MB 130	-	1,8	1,3	1,6	-	7,4	-	35,1	35,6	34,5	30,2	22,2	16,6	
MB 150	MBT 150	2	1,5	2,0	1,9	8,9	3,7	39,2	40,2	39,5	35,7	28,7	23,9	18,0
MB 200	MBT 200	2,5	1,85	2,3	2,2	10,4	4,4	44,9	45,6	44,8	41,7	35,2	30,8	25,8
MB 300	MBT 300	3	2,2	2,6	2,5	12,4	5,1	49,5	49,4	48,3	45,8	39,8	35,8	31,1





TYPE		DIMENSIONS (mm)												 Kg	
-1	-3	A	B	C	D	E	H1	H2	DNA	DNM	I	L	M	-1	-3
MB 130	-	108	73	415	205	165	115	242	1" ½ G	1" ¼ G	433	220	287	23,5	-
MB 150	MBT 150	108	73	415	205	165	115	242			433	220	287	24	25
MB 200	MBT 200	108	73	415	205	165	115	242			433	220	287	25,5	25
MB 300	-	108	73	485	205	165	115	242			520	235	320	34	-
-	MBT 300	108	73	415	205	165	115	242			433	220	287	-	26,5



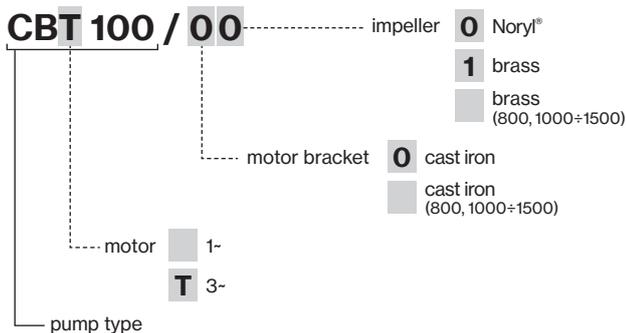
Two impeller centrifugal pumps for constructing pressurisation systems for civil and industrial plant; the two counter-posed impellers guarantee high head and flow rate.

Construction features

Pump body	cast iron
Motor bracket	cast iron
Impeller	Noryl® or brass (100÷900) brass (800÷1500)
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 303 stainless steel AISI 416 (100)
Liquid temperature	Noryl® impeller: 0 - 50 °C brass impeller: 0 - 90 °C
Operating pressure	max 6 bar (100) max 11 bar (160÷1500)

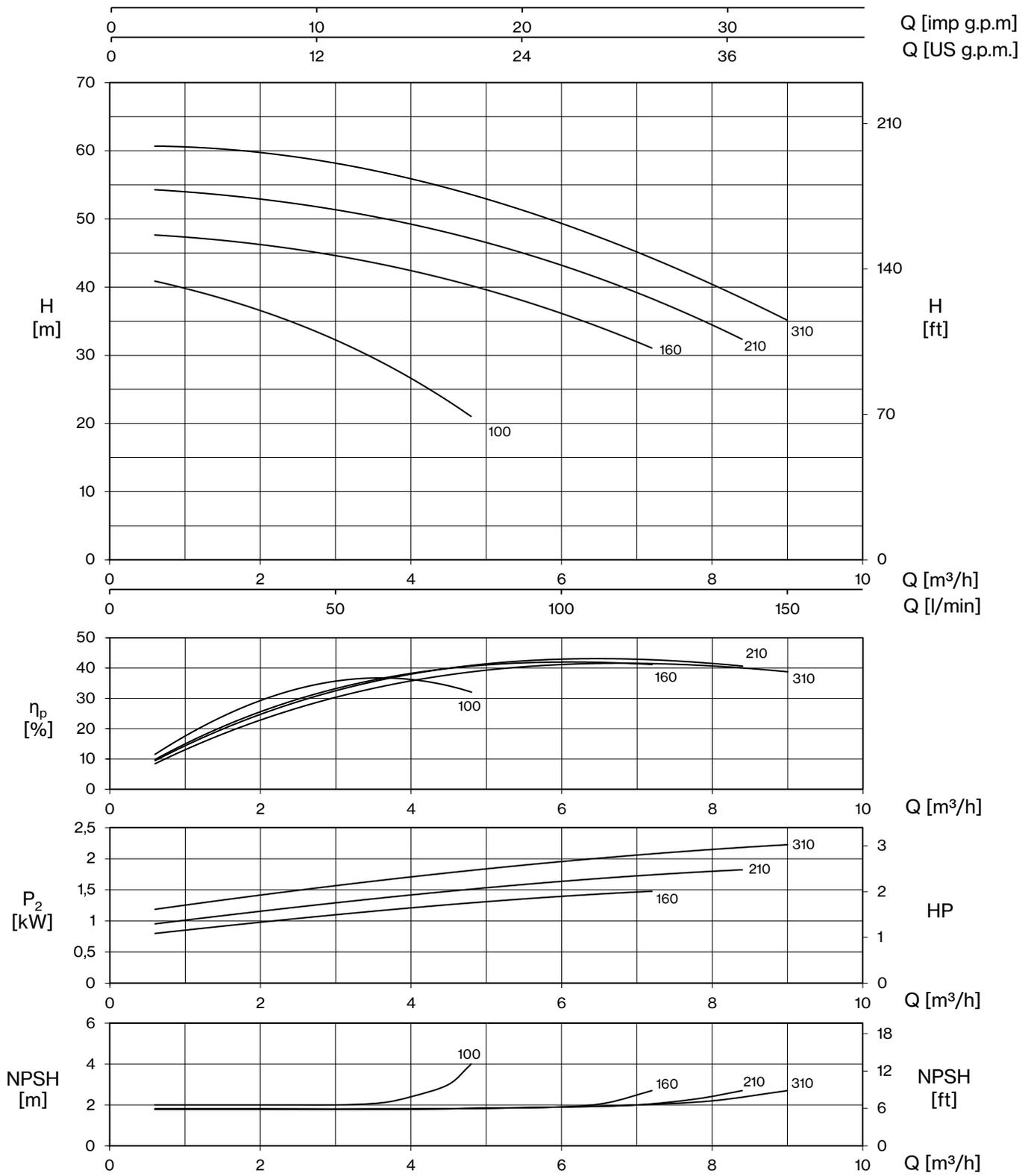
Motor

	3- 230/400V - 50Hz P ≤ 4kW 3- 400/690V - 50Hz P > 4kW
2 poles induction motor	1- 230V - 50Hz (with thermal protection up to MEC 80)
Insulation class	F
Protection degree	IPX4 IPX5 (800÷1500)



TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
CB 100	90×110×145	65	90×110×195	91
CB 160÷CBT 310	85×110×130	40	85×110×190	60
CB 310	85×110×150	24	85×110×180	30
CB 400÷900	80×120×150	24	80×120×180	30
CBT 800÷1500	100×120×140	18	100×120×185	24

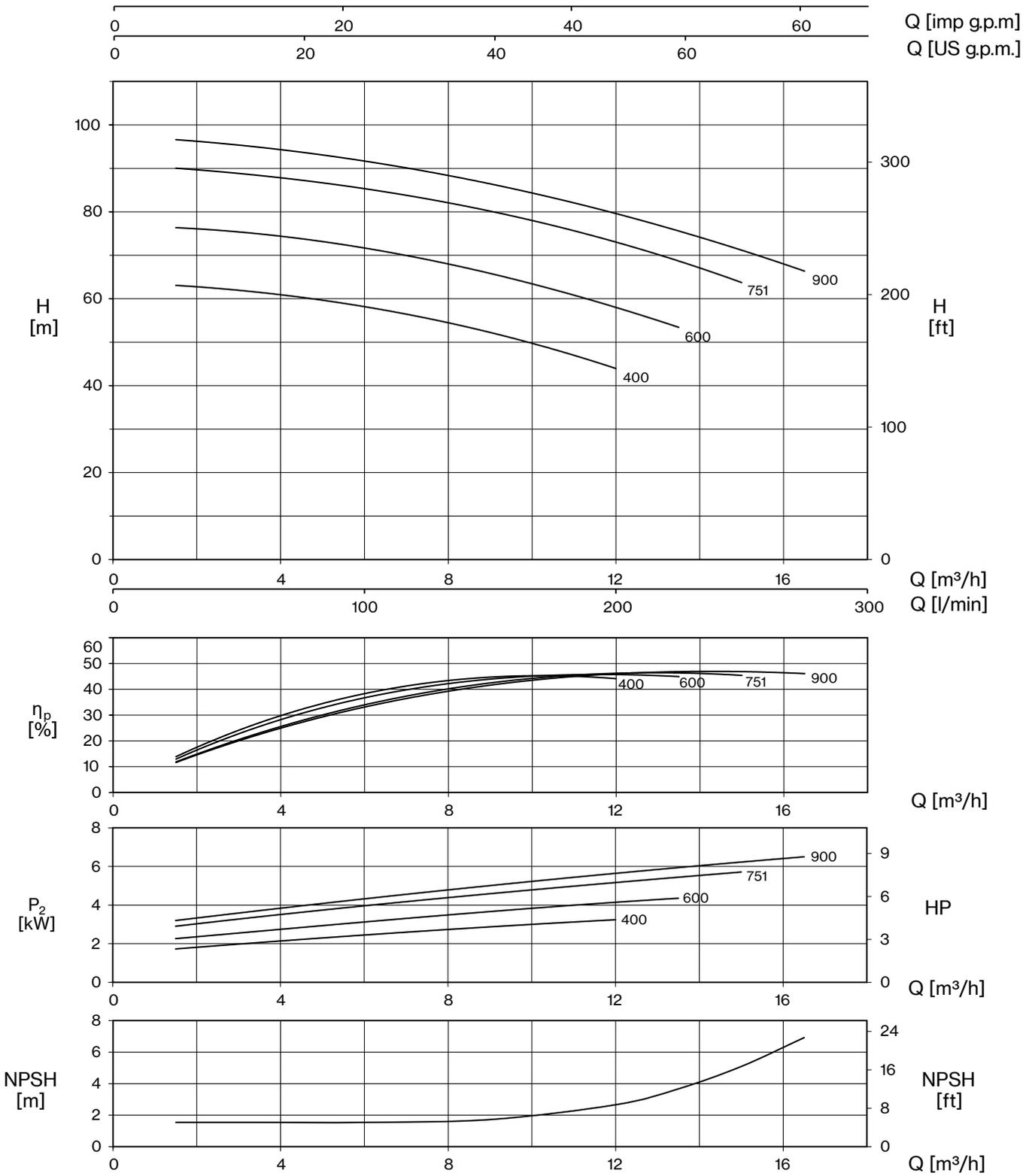




TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)										
1~	3~			1~	3~	1~ 230V	3~ 400V	0	0,6	1,2	1,8	2,4	3,6	4,8	6	7,2	8,4	9
		HP	kW	kW		A		H (m)										
CB 100	CBT 100	1	0,74	1,17	1,15	5,4	2,4	42,0	40,8	39,4	37,4	34,7	29,2	21,0				
CB 160	CBT 160	2	1,5	1,9	1,8	8,5	3,7	48,3	47,7	47,1	46,5	45,7	43,5	40,1	36,2	31,1		
CB 210	CBT 210	2,5	1,85	2,3	2,2	10,4	4,4	54,9	54,4	53,8	53,0	52,3	50,5	47,1	43,1	38,3	32,4	
CB 310	CBT 310	3	2,2	2,8	2,6	13,0	5,2	61,4	60,9	60,3	59,8	59,2	57,1	53,6	49,3	44,2	38,3	35,2

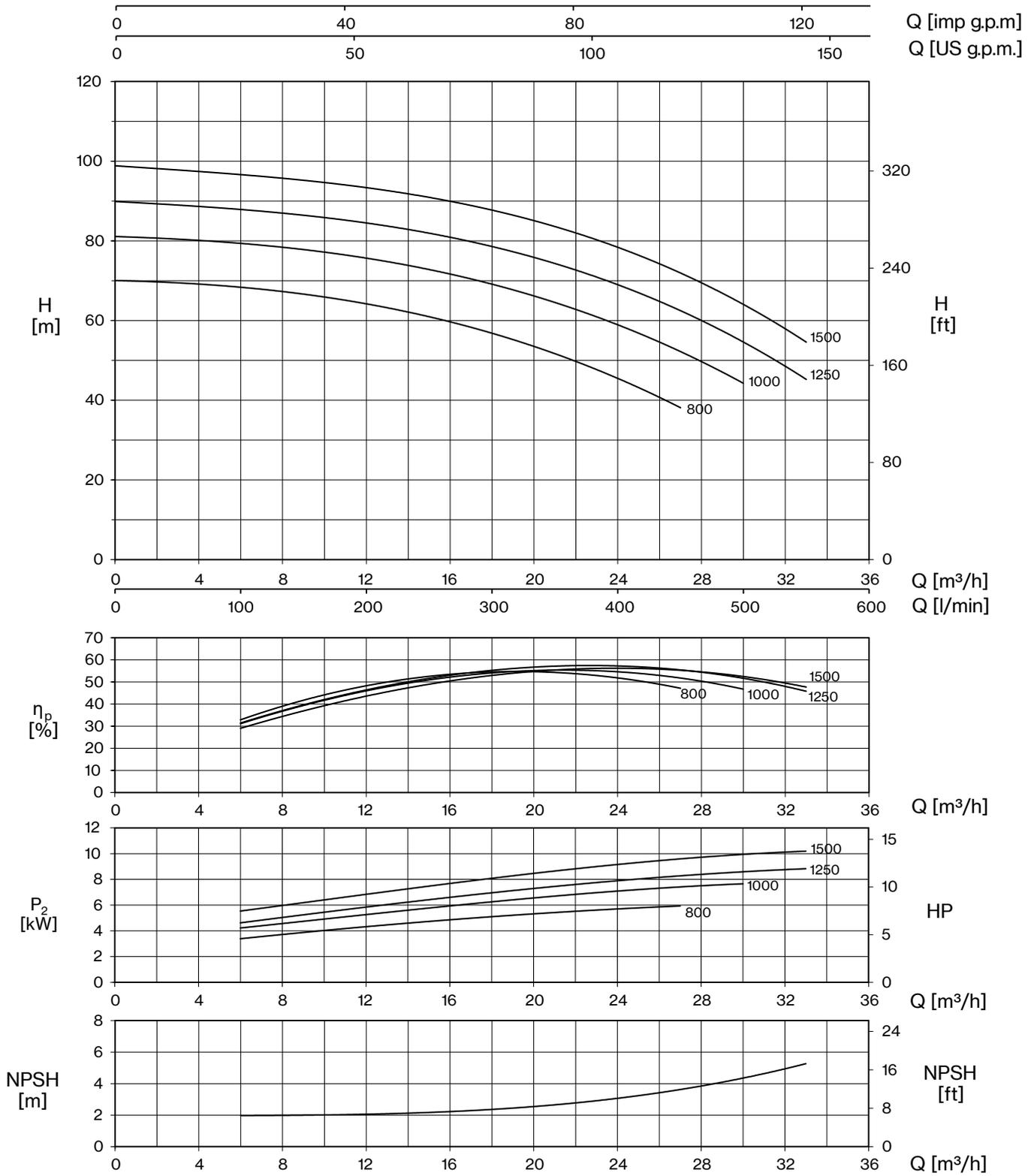


CB



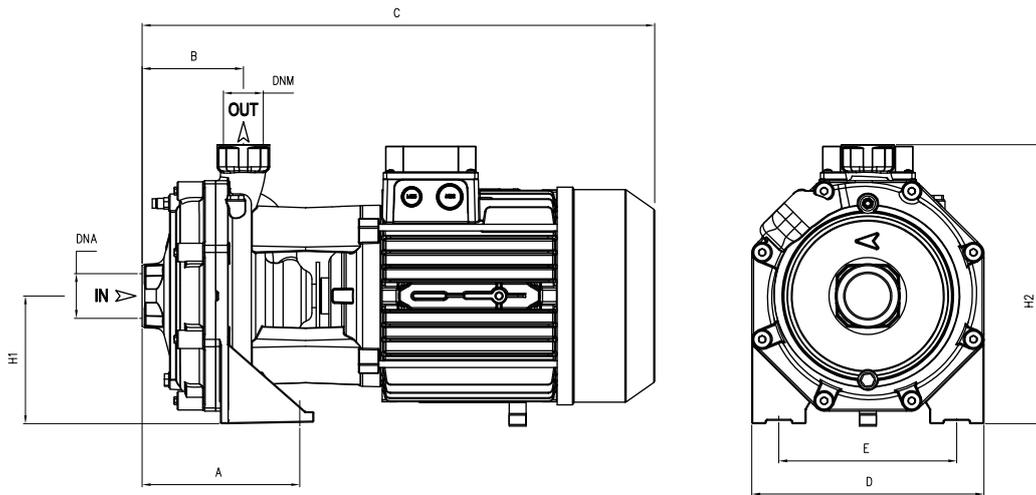
TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)											
1~	3~			1~	3~	1~ 230V	3~ 400V	0	1,5	3,0	4,5	6,0	7,5	9,0	10,5	12	13,5	15,0	16,5
		HP	kW	kW		A		H (m)											
CB 400	CBT 400	4	3,0	3,7	3,8	16,4	6,7	63,6	63,1	62,0	60,3	58,2	55,5	52,3	48,4	43,9			
CB 600	CBT 600	5,5	4,0	5,2	5,0	23,3	9,1	76,9	76,4	75,4	73,8	71,7	69,0	65,9	62,1	58,0	53,4		
-	CBT 751	7,5	5,5	-	6,5	-	11,5	90,7	90,0	88,9	87,3	85,3	82,9	80,1	76,8	73,1	68,8	63,7	
-	CBT 900	10	7,5	-	7,3	-	13,3	97,5	96,6	95,4	93,7	91,7	89,2	86,5	83,3	79,8	75,2	71,2	66,4





TYPE - 50 Hz	P2			P1	CURRENT	Q (m³/h - l/min)						
					3- 400V	0	6	12	18	24	27	30
	HP	kW	kW	A	0	100	200	300	400	450	500	550
3-						H (m)						
CBT 800	7,5	5,5	6,7	11,1	70,0	68,5	63,9	57,1	45,3	38,2		
CBT 1000	10	7,5	8,5	13,9	80,7	80,4	75,0	68,5	59,7	52,6	43,7	
CBT 1250	12,5	9,2	9,8	16,3	89,5	88,8	84,1	77,7	69,7	63,0	54,2	45,1
CBT 1500	15	11,0	11,2	18,6	98,3	97,8	93,5	85,7	78,9	73,3	64,0	54,0





TYPE		DIMENSIONS (mm)													
-1	-3	A	B	C	D	E	H1	H2	DNA	DNM	I	L	M	-1	-3
CB 100	CBT 100	122	72	328	180	140	98	228	1" G	1" G	350	195	265	15,5	15
CB 160	CBT 160	115	82	408	210	170	110	265	1" 1/4 G		433	220	287	25,5	26,5
CB 210	CBT 210	115	82	408	210	170	110	265		433	220	287	26	27	
CB 310	-	115	82	477	210	170	110	265		520	235	320	35,5	-	
-	CBT 310	115	82	408	210	170	110	265		433	220	287	-	27,5	
CB 400	CBT 400	145	95,5	498	266	212	135	305	1" 1/2 G	1" 1/4 G	553	274	318	48	44
CB 600	CBT 600	145	95,5	498	266	212	135	305			553	274	318	56,5	48
-	CBT 751	145	95,5	532	266	212	135	305			553	274	318	-	56
-	CBT 900	145	95,5	532	266	212	135	305	2" G	1" 1/4 G	553	274	318	-	62
-	CBT 800	190	120	605	275	210	150	330			675	390	300	-	78
-	CBT 1000	190	120	605	275	210	150	330			675	390	300	-	84
-	CBT 1250	190	120	645	275	210	150	330			675	390	300	-	91,5
-	CBT 1500	190	120	645	275	210	150	330			675	390	300	-	95,5





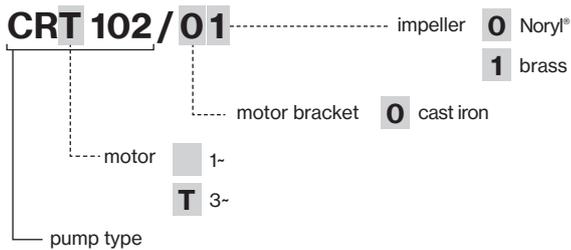
Medium delivery centrifugal pumps for agricultural applications. Equipped with an open impeller that allows the pumping of non-clean liquids, guaranteeing the free passage of small solids (Ø max. 10 mm).

Construction features

Pump body	cast iron
Motor bracket	cast iron
Impeller	Noryl® or brass
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 416
Liquid temperature	Noryl® impeller: 0 - 50 °C brass impeller: 0 - 90 °C
Operating pressure	max 6 bar

Motor

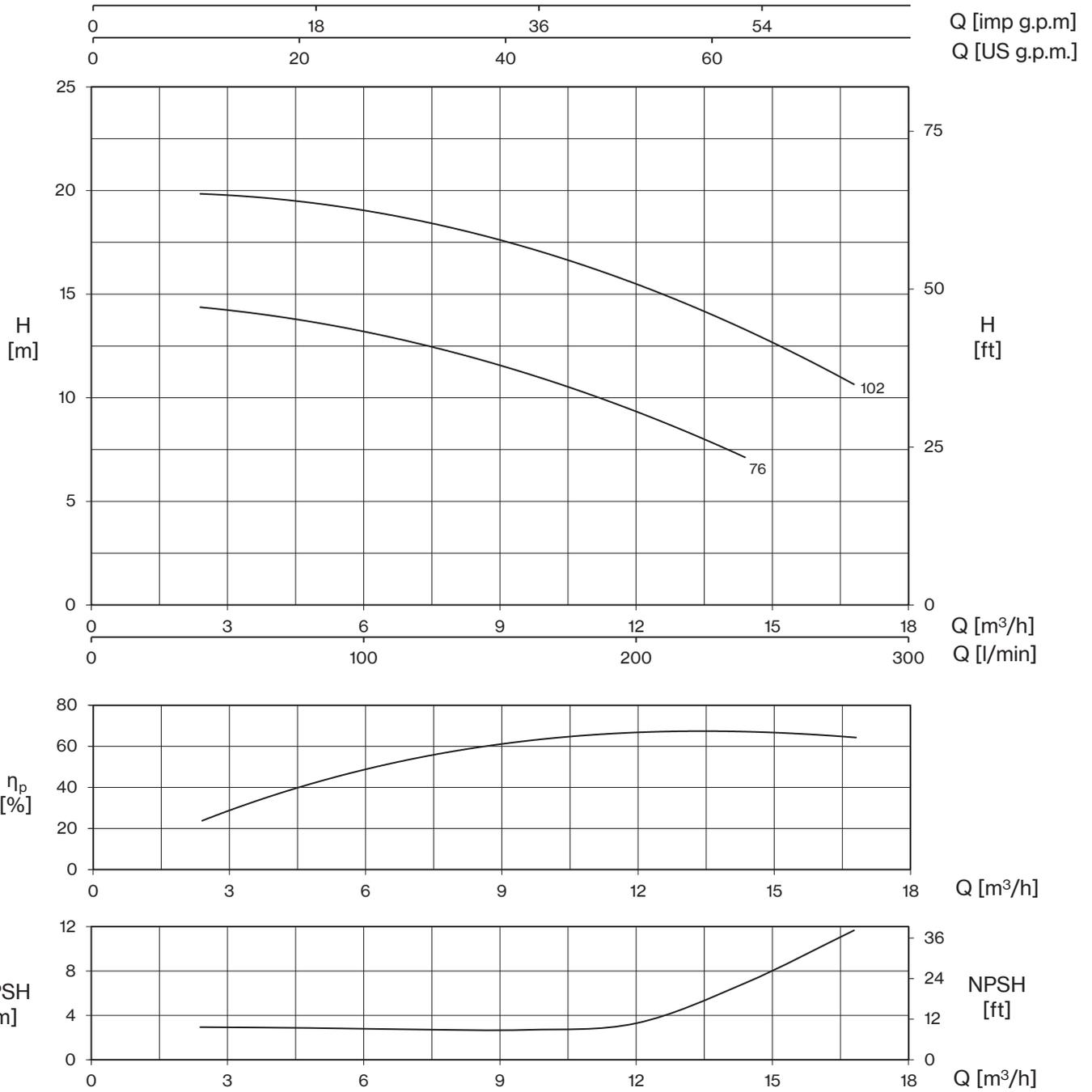
	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4



TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
CR	85×110×145	65	85×110×195	91

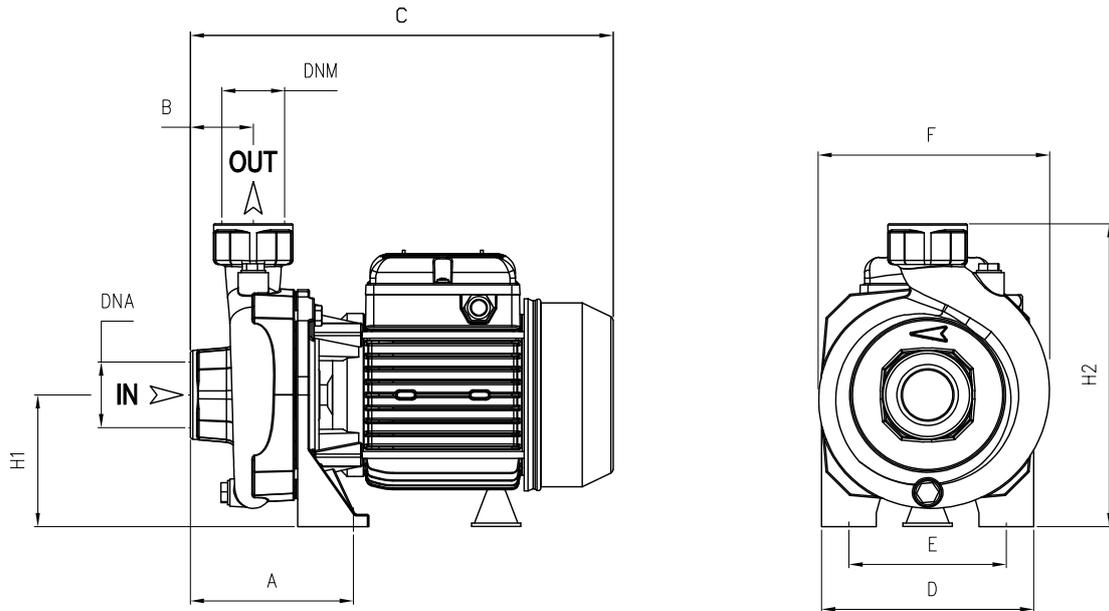


CR



TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)						
1-	3-			1-	3-	1- 230V	3- 400V	0	3	6	9	12	14,4	16,8
		HP	kW	kW		A		0	50	100	150	200	240	280
		H (m)												
CR 76	CRT 76	0,8	0,59	0,73	0,83	3,4	1,5	15,0	14,3	13,0	11,6	9,5	7,0	
CR 102	CRT 102	1	0,74	1,14	1,2	5,3	2,4	20,5	19,8	18,9	17,7	15,5	13,5	10,5





TYPE		DIMENSIONS (mm)														
-1	-3	A	B	C	D	E	F	H1	H2	DNA	DNM	I	L	M	1-	3-
CR 76	CRT 76	120	45	308	155	115	170	97	222	1" 1/2 G	1" 1/2 G	325	200	265	13,1	12,5
CR 102	CRT 102	120	45	308	155	115	170	97	222	1" 1/2 G	1" 1/2 G	325	200	265	14,5	13,7



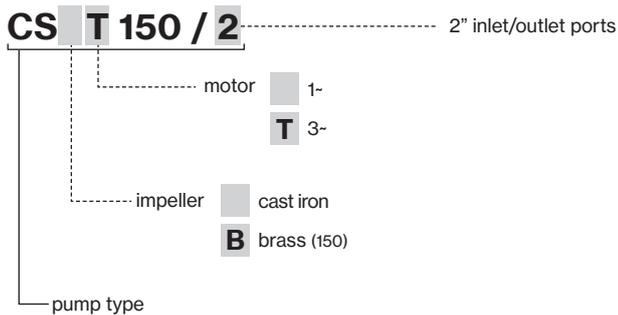
Single-impeller, medium to high-flow rate centrifugal pumps with 2", 3" and 4" delivery openings. Mainly used in agriculture for flood and sprinkler irrigation, and water withdrawal from reservoirs or canals.

Construction features

Pump body	cast iron
Motor bracket	cast iron
Impeller	cast iron or brass (CSB)
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 303 stainless steel AISI 416 (75÷120)
Liquid temperature	0 - 90 °C
Operating pressure	max 6 bar

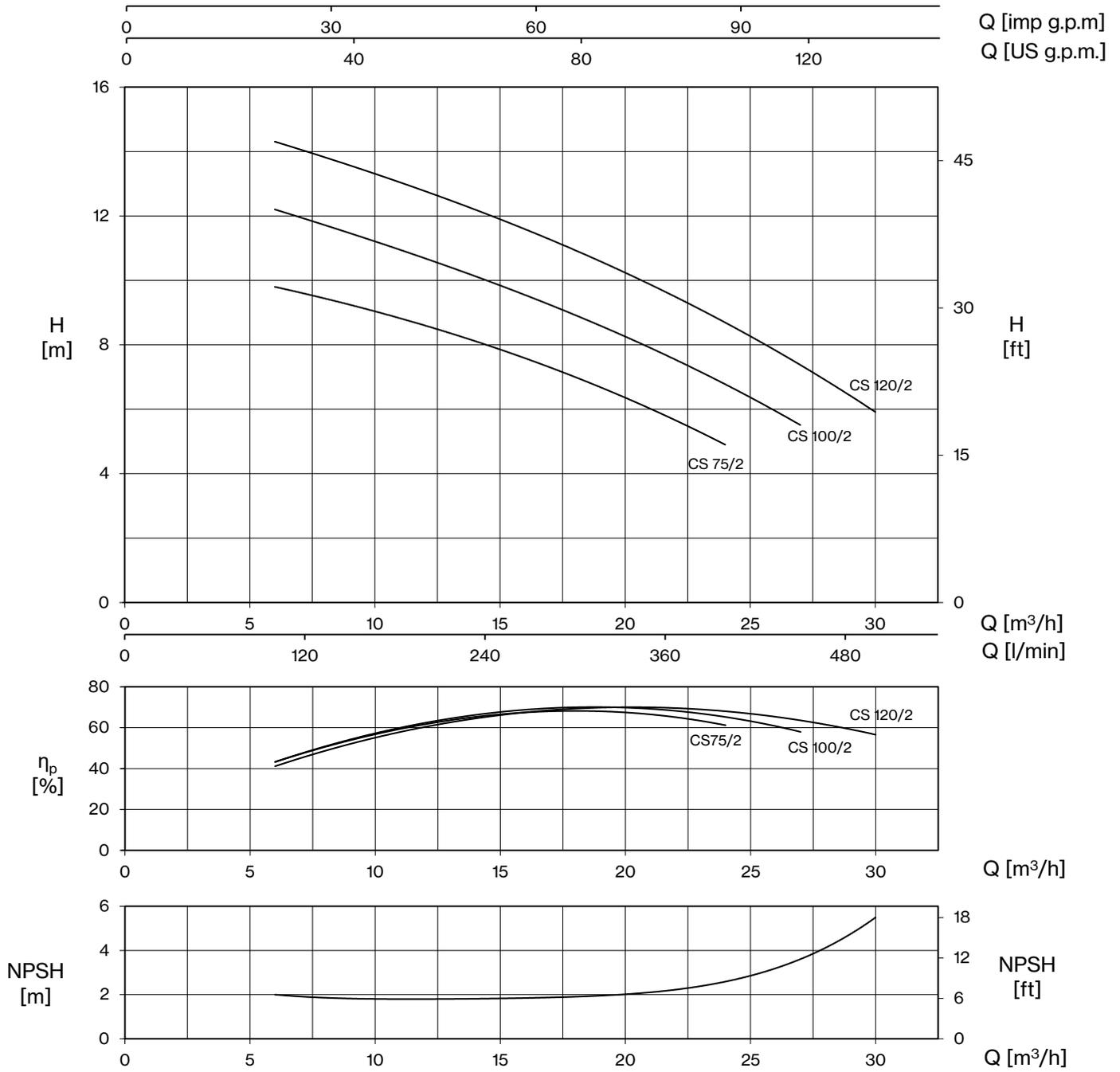
Motor

	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection up to MEC 80)
Insulation class	F
Protection degree	IPX4



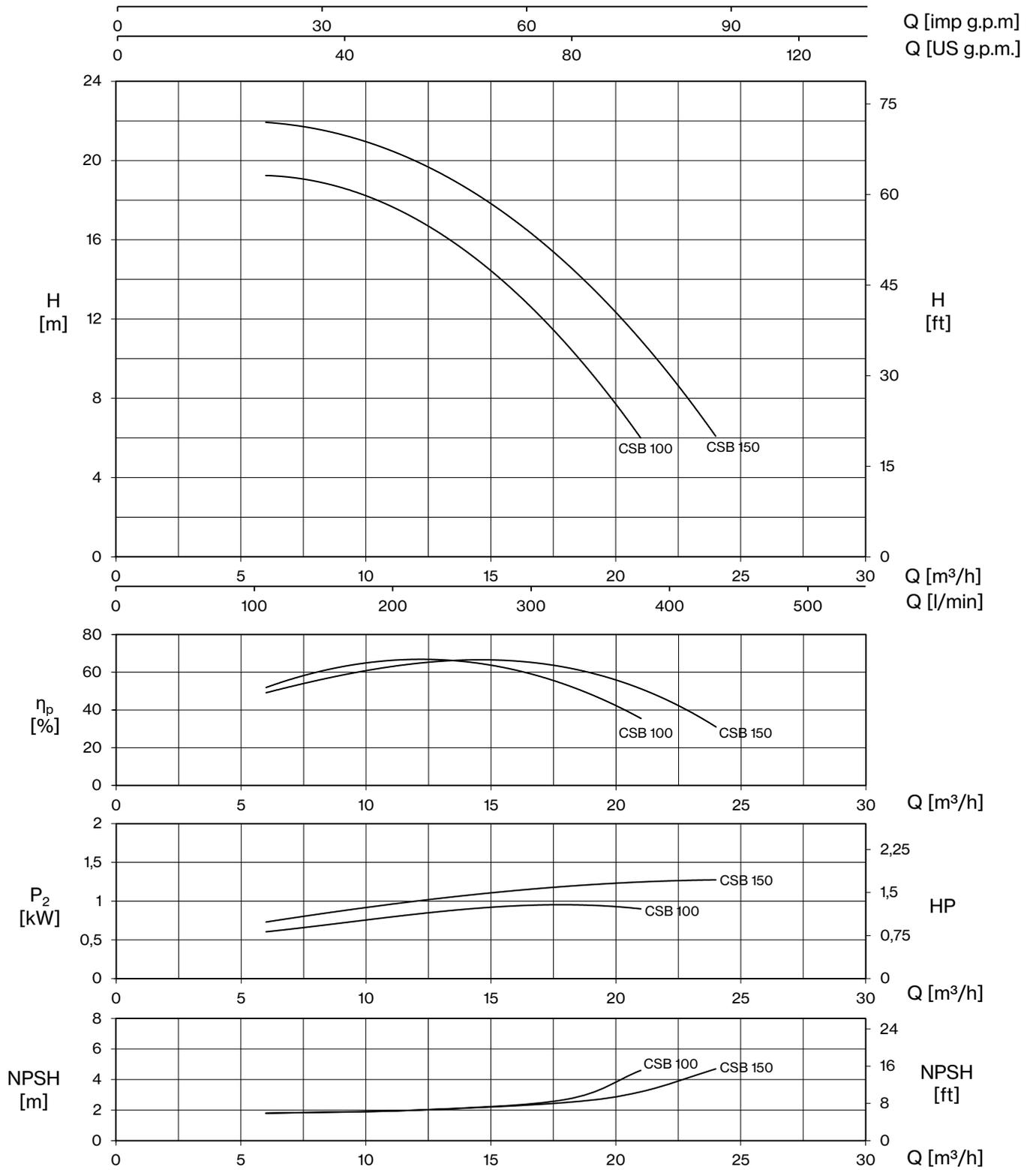
TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
CS 75/2÷120/2	90×110×145	65	90×110×195	91
CS 150/2-200/2	85×110×140	40	85×110×205	60
CS 200/3-300/3	85×110×150	30	85×110×180	60
CS 400/3÷550/4	80×120×150	30	80×120×180	60
CST 750/4-1000/4	100×120×140	18	100×120×185	24





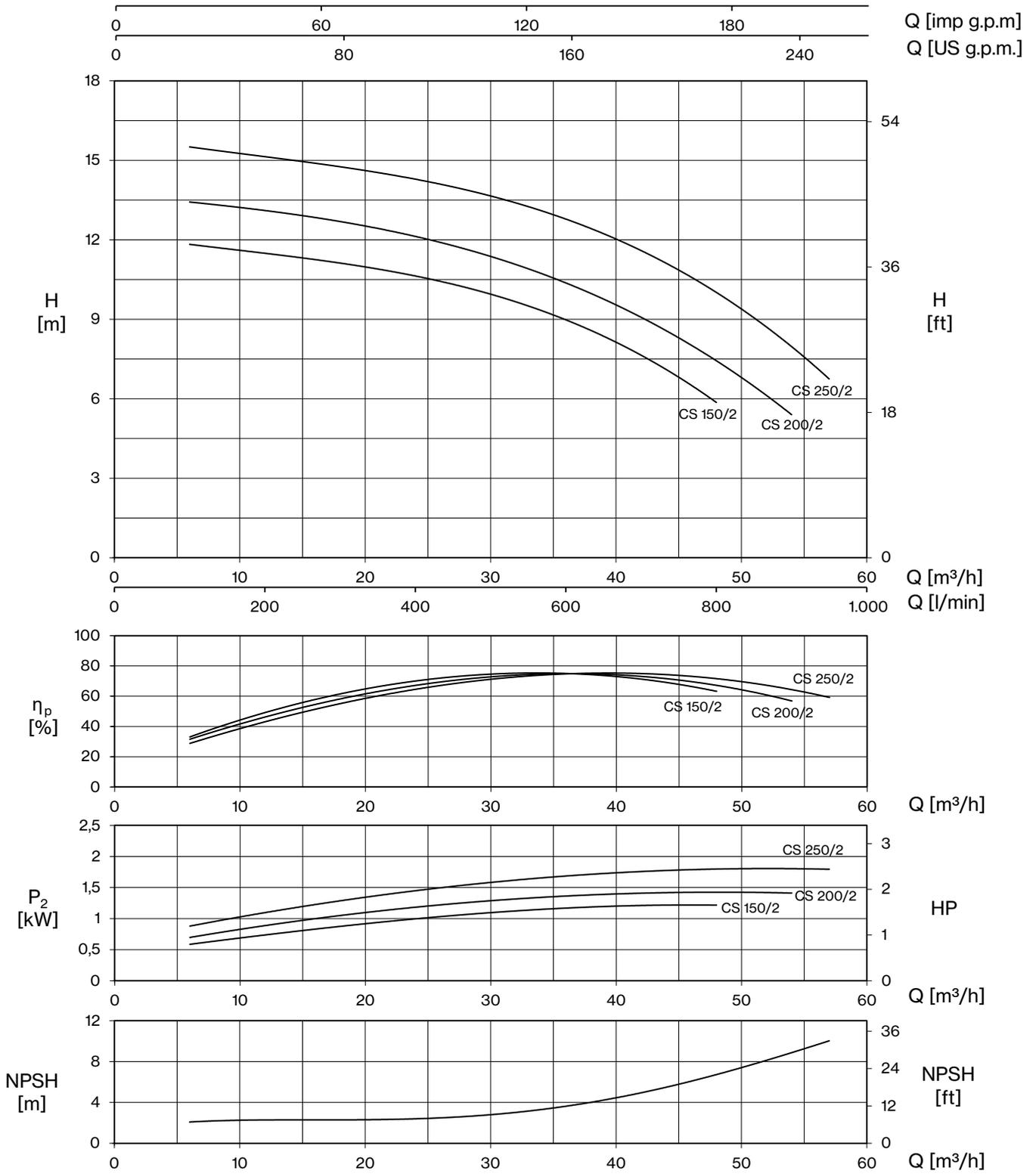
TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)						
1-	3-			1-	3-	1- 230V	3- 400V	0	6	12	18	24	27	30
		HP	kW	kW		A		H (m)						
CS 75/2	CST 75/2	0,8	0,59	0,8	0,7	3,5	1,3	10,1	9,8	8,6	7,0	4,9		
CS 100/2	CST 100/2	1	0,74	1	0,85	4,5	1,6	12,8	12,2	10,7	8,9	6,8	5,5	
CS 120/2	CST 120/2	1,2	0,9	1,2	1,1	5,4	2,0	15,0	14,3	12,8	10,9	8,7	7,4	5,9





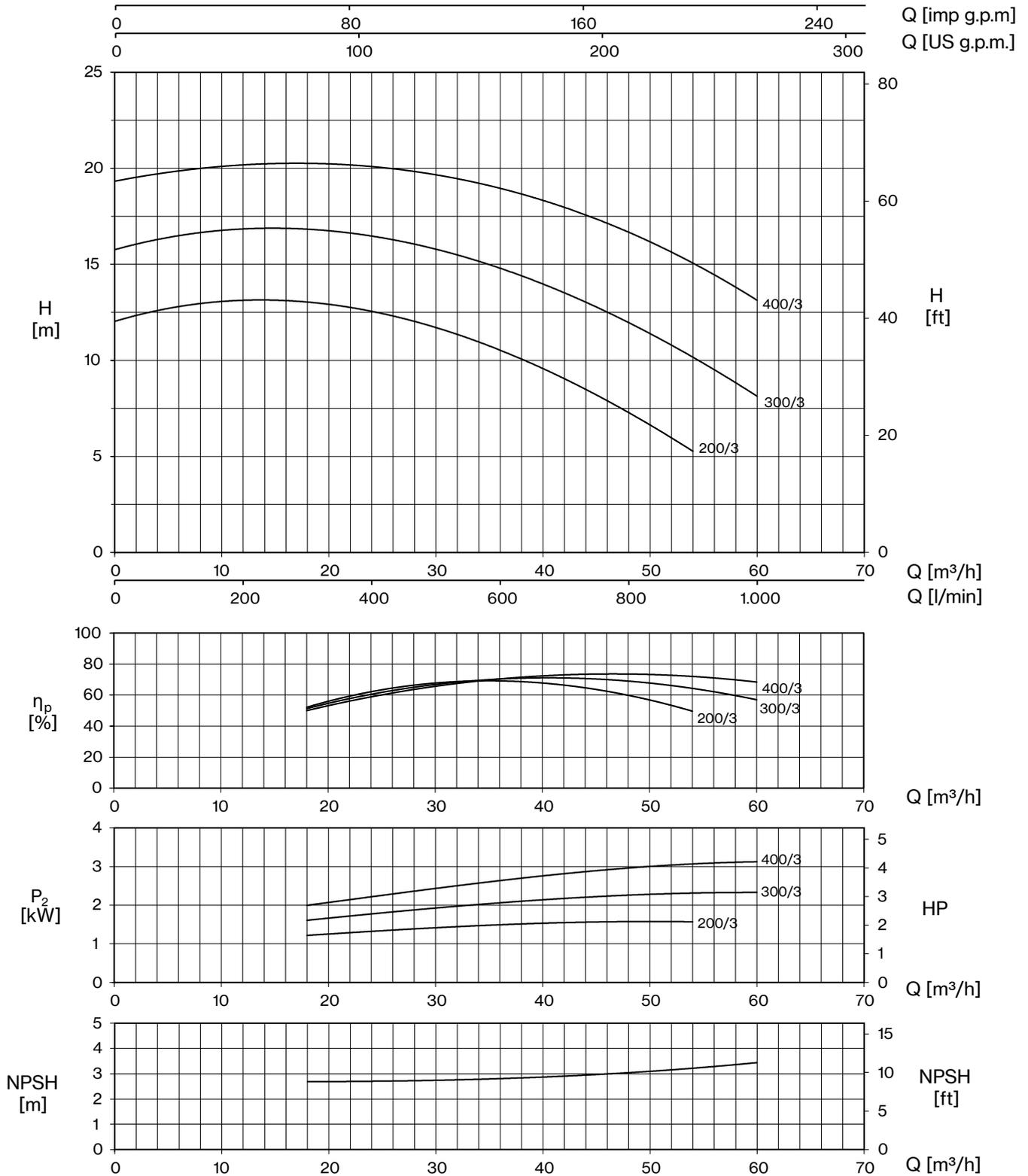
TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)					
1~	3~			1~	3~	1~	3~	0	6	12	18	21	24
		HP	kW	kW		A		0	100	200	300	350	400
		H (m)											
CSB 100/2	-	1,5	1,1	1,3	-	6,1	-	18,8	19,2	17,1	10,8	6,0	
CSB 150/2	CSBT 150/2	1,8	1,3	1,6	1,5	7,4	3,5	21,6	21,9	19,9	15,0	10,8	6,1





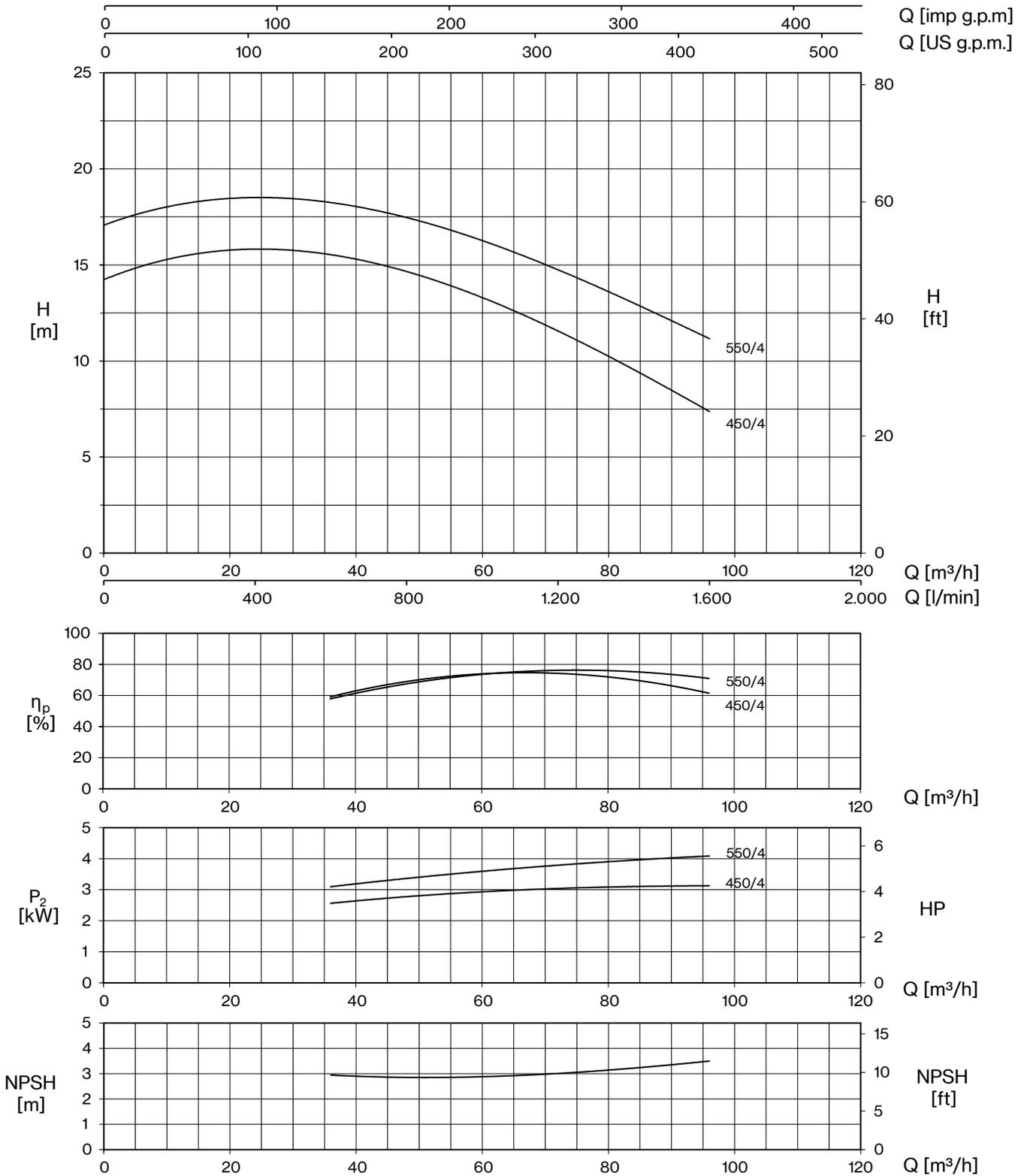
TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)										
1~	3~			1~	3~	1~	3~	0	6	18	24	30	36	42	48	54	57	
		HP	kW	kW		A		0	100	300	400	500	600	700	800	900	950	
		H (m)																
CS 150/2	CST 150/2	1,8	1,3	1,5	1,4	7,1	3,4	11,9	11,8	11,1	10,6	10,0	8,9	7,6	5,9			
CS 200/2	CST 200/2	2	1,5	1,7	1,7	8,0	3,6	13,5	13,4	12,6	12,1	11,4	10,4	9,1	7,3	5,4		
CS 250/2	CST 250/2	2,5	1,85	2,2	2,1	9,9	4,3	15,6	15,6	14,6	14,3	13,8	12,9	11,6	9,9	7,9	6,9	





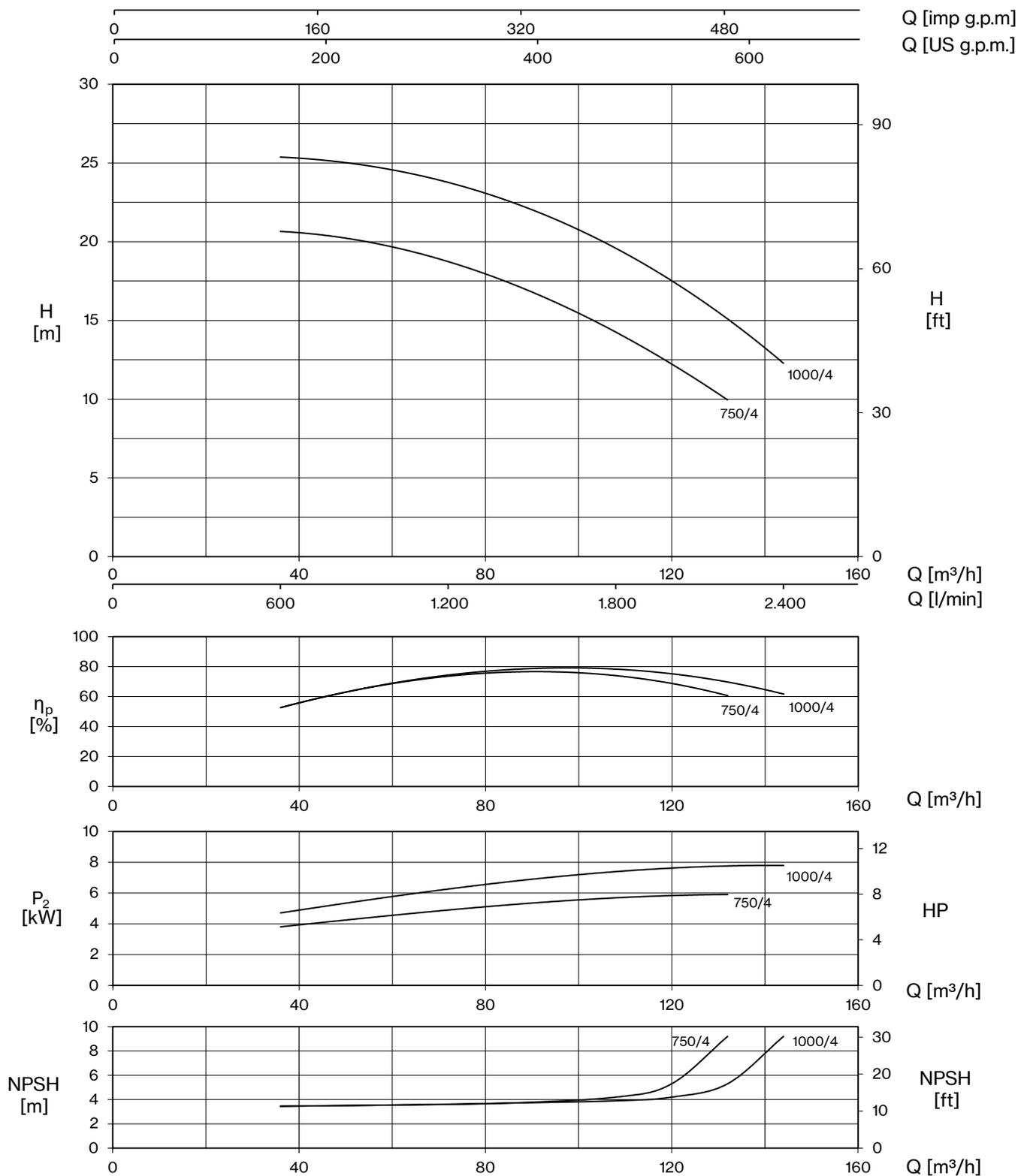
TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)									
1~	3~			1~	3~	1~	3~	0	18	24	30	36	42	48	54	60	
		HP	kW	kW		A		0	300	400	500	600	700	800	900	1000	
		H (m)															
CS 200/3	CST 200/3	2	1,5	1,9	1,9	8,9	3,5	12,0	13,0	12,6	11,8	10,6	9,0	7,2	5,3		
CS 300/3	CST 300/3	3	2,2	2,7	2,7	12,4	5	15,8	16,8	16,5	15,7	14,7	13,6	12,0	10,1	8,2	
-	CST 400/3	4	3	-	3,6	-	6,6	19,3	20,3	20,1	19,6	18,9	18,0	16,8	15,0	13,1	





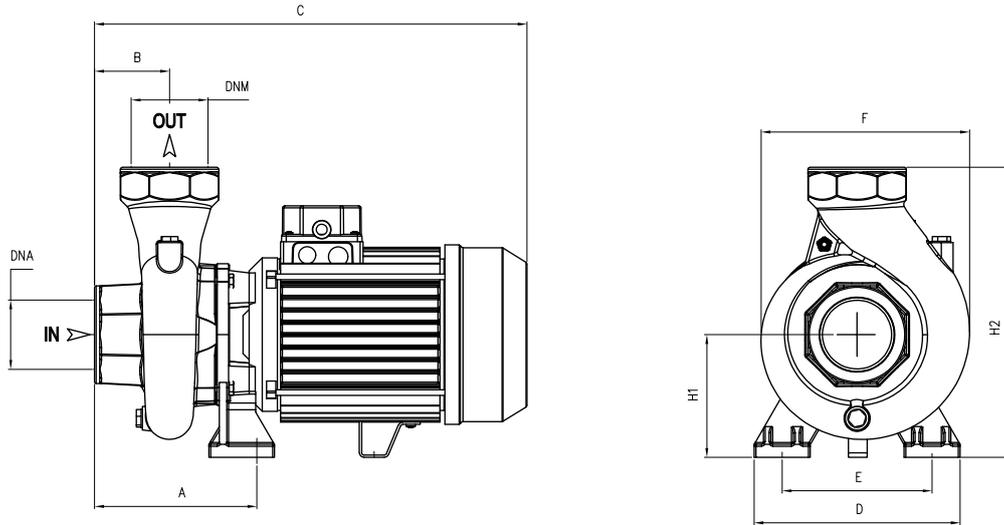
TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)						
1~	3~			1~	3~	1~ 230V	3~ 400V	0	36	48	60	72	84	96
		0	600					800	1000	1200	1400	1600		
		HP	kW	kW		A		H (m)						
CS 450/4	CST 450/4	4	3	3,6	3,6	16,1	6,5	14,2	15,5	14,7	13,4	11,5	9,6	7,4
-	CST 550/4	5,5	4	-	4,7	-	8,5	17,1	18,3	17,4	16,3	14,7	13,1	11,1





TYPE - 50 Hz	P2		P1	CURRENT 3- 400V	Q (m³/h - l/min)									
					0	36	48	60	84	108	120	132	144	
	HP	kW	kW	A	0	600	800	1000	1400	1800	2000	2200	2400	
3-					H (m)									
CST 750/4	7,5	5,5	6,7	11,6	18,9	20,6	20,4	19,7	17,4	14,3	12,3	9,9		
CST 1000/4	10	7,5	8,8	15,4	23,6	25,3	25,2	24,6	22,6	19,5	17,6	15,2	12,2	





TYPE		DIMENSIONS (mm)													 Kg	
-1	-3	A	B	C	D	E	F	H1	H2	DNA	DNM	I	L	M	-1	-3
CS 75/2	CST 75/2	127	45	315	155	115	178	97	247	2" G	2" G	340	195	280	14,5	14
CS 100/2	CST 100/2	127	45	315	155	115	178	97	247			340	195	280	16	15
CS 120/2	CST 120/2	127	45	315	155	115	178	97	247			340	195	280	16,5	16
CSB 100/2	-	130	70	395	180	130	195	90	240	2" G	2" G	420	230	309	23	-
CSB 150/2	CSBT 150/2	130	70	395	180	130	195	90	240			420	230	309	23	23
CS 150/2	CST 150/2	150	53	400	180	140	218	115	285	2" G	2" G	420	230	309	27	27,5
CS 200/2	CST 200/2	150	53	400	180	140	218	115	285			420	230	309	26	27,5
CS 250/2	CST 250/2	150	53	400	180	140	218	115	285			420	230	309	27,5	28
CS 200/3	CST 200/3	176,5	80	485	184	130	225	112	292	3" G	3" G	520	235	320	33	28
CS 300/3	CST 300/3	176,5	80	485	184	130	225	112	292			520	235	320	33	30,5
-	CST 400/3	176,5	80	485	184	130	225	112	292	4" G	4" G	520	235	320	-	36,5
CS 450/4	CST 450/4	165	85	515	200	150	250	130	330			546	265	355	46,5	42,5
-	CST 550/4	165	85	515	200	150	250	130	330			546	265	355	-	47
-	CST 750/4	117	83	559	215	170	254	134	333			675	390	300	-	56,5
-	CST 1000/4	117	83	559	215	170	254	134	333	675	390	300	-	63		



Centrifugal pumps characterized by medium flow rate and stable head as the flow rate changes. Suitable for flood and sprinkler irrigation, water withdrawal from reservoirs or canals and industrial applications.

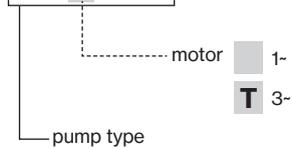
Construction features

Pump body	cast iron
Motor bracket	cast iron
Impeller	brass (160÷310) cast iron (350÷550)
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 303
Liquid temperature	0 - 90 °C
Operating pressure	max 6 bar

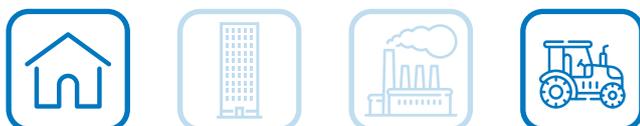
Motor

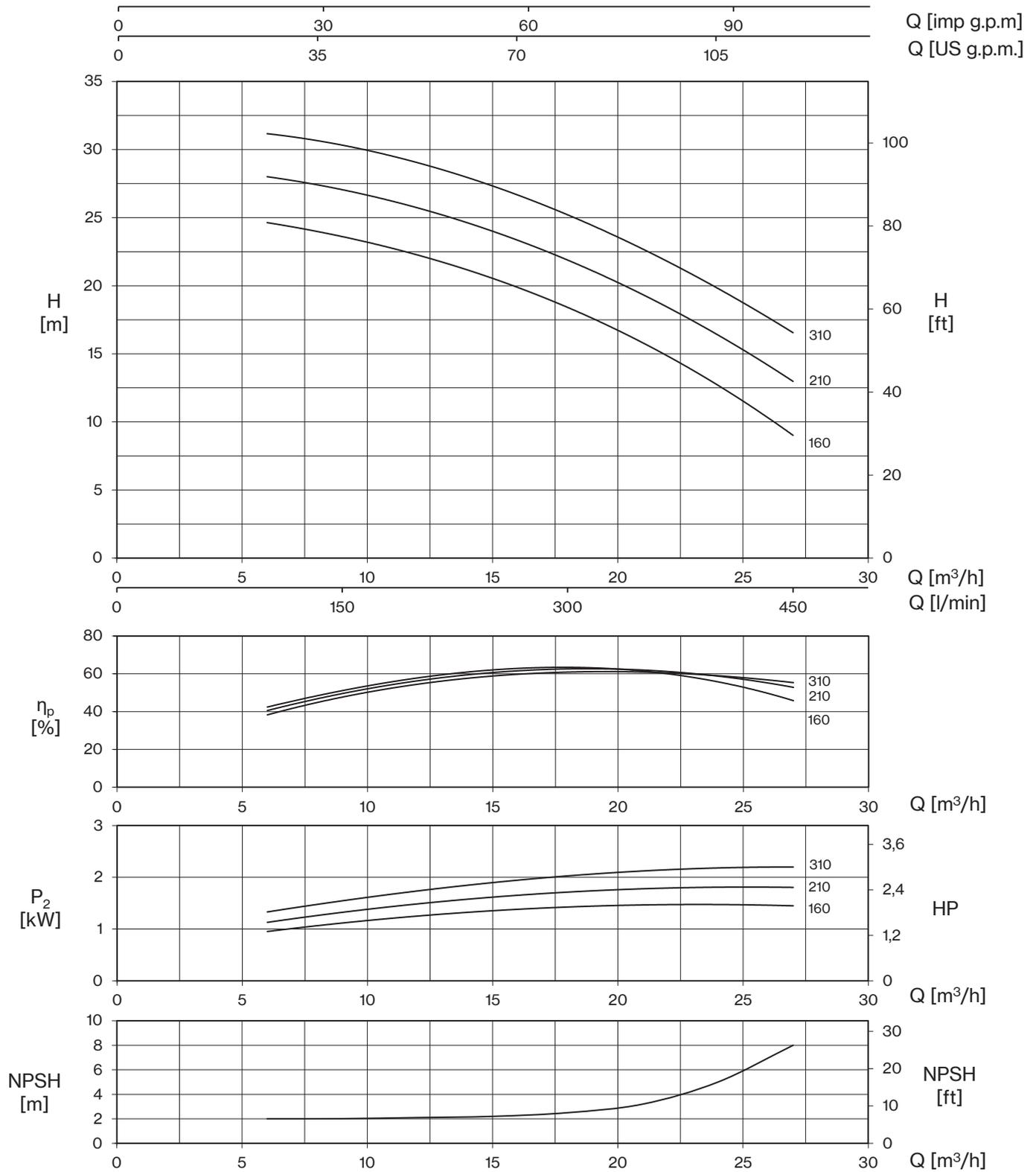
	3- 230/400V - 50Hz
2 poles induction motor	1- 230V - 50Hz (with thermal protection up to MEC 80)
Insulation class	F
Protection degree	IPX4

CH T 160



TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
CH 160÷310	85×11×140	40	85×110×195	60
CH 350÷550	85×110×150	30	85×110×180	30

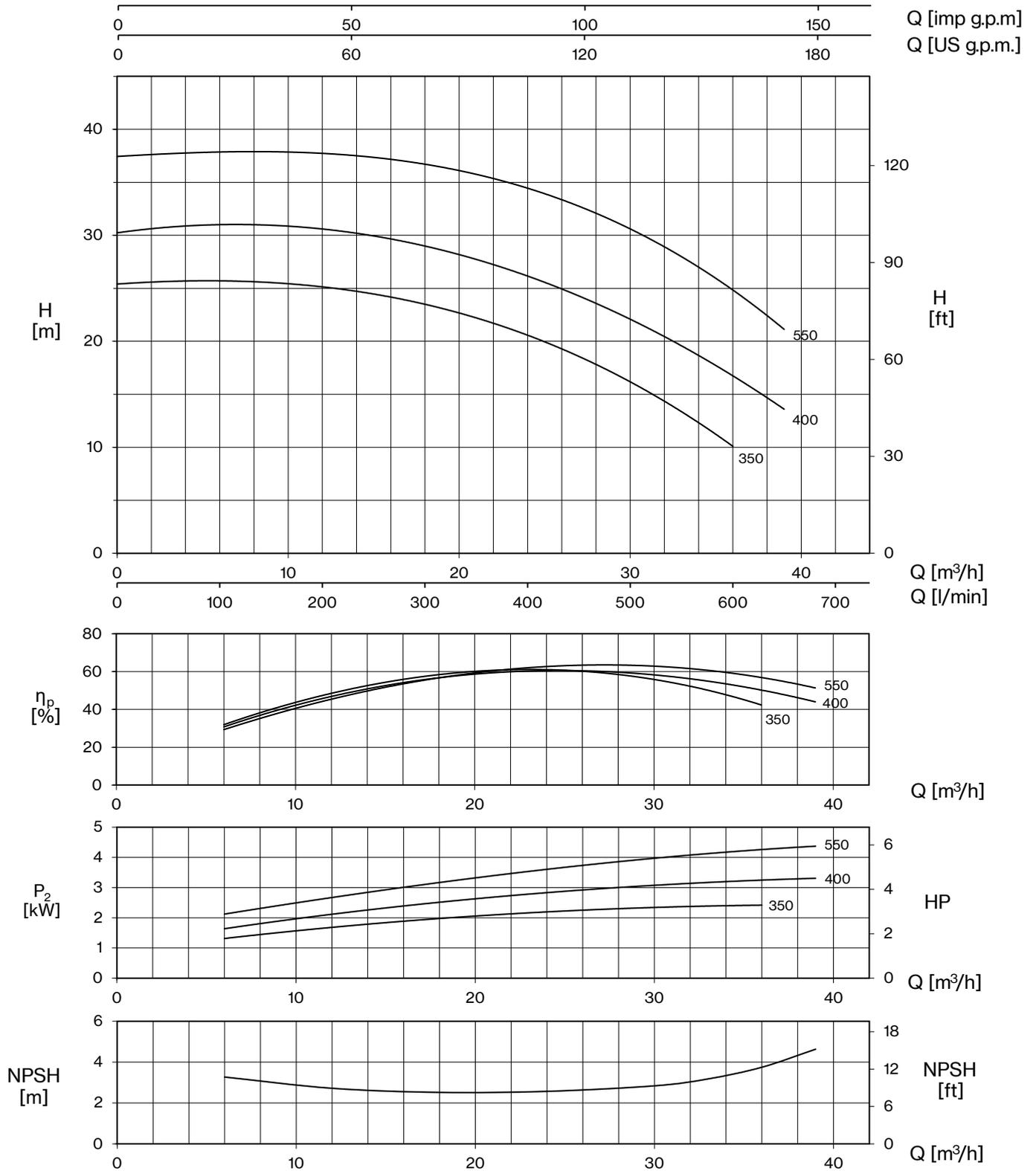




TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)								
1~	3~			1~	3~	1~ 230V	3~ 400V	0	6	9	12	15	18	21	24	27
		HP	kW													
CH 160	CHT 160	2	1,5	1,8	1,8	8,2	3,7	24,8	24,6	23,7	22,3	20,5	18,4	15,8	12,8	9,0
CH 210	CHT 210	2,5	1,85	2,3	2,1	10,4	4,3	28,3	28,0	27,1	25,7	23,9	21,9	19,3	16,4	13,0
CH 310	CHT 310	3	2,2	2,6	2,6	12,3	5,2	31,6	31,2	30,3	29,0	27,3	25,3	22,7	19,7	16,6

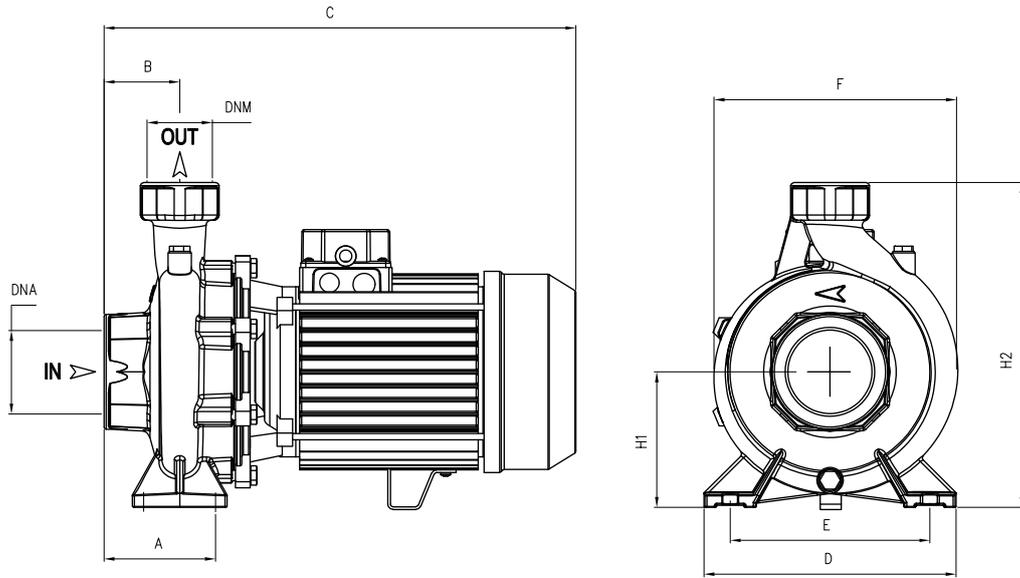


CH



TYPE - 50 Hz		P2		P1		CURRENT		Q (m³/h - l/min)								
1~	3~			1~	3~	1~ 230V	3~ 400V	0	6	12	18	24	30	33	36	39
		HP	kW	kW		A		H (m)								
CH 350	CHT 350	3	2,2	2,8	2,8	12,7	5,2	25,4	25,6	25,3	23,5	20,5	16,2	13,5	10,0	
CH 400	CHT 400	4	3,0	3,8	3,8	17,0	6,9	30,3	30,8	30,7	29,1	26,1	22	19,5	16,7	13,6
-	CHT 550	5,5	4,0		5,0	-	9,1	37,4	37,8	37,9	36,8	34,3	30,2	28,2	25,5	20,7





TYPE		DIMENSIONS (mm)														
-1	-3	A	B	C	D	E	F	H1	H2	DNA	DNM	I	L	M	-1	-3
CH 160	CHT 160	105	48	395	200	160	215	110	285	2" G	2" G	420	230	309	26,5	27,5
CH 210	CHT 210	105	48	395	200	160	215	110	285			420	230	309	26	26,5
CH 310	-	105	48	465	200	160	215	110	285			520	235	320	35,5	-
-	CHT 310	105	48	395	200	160	215	110	285			420	230	309	-	28
CH 350	-	105	70	465	240	190	240	126	306	3" G	2" G	530	280	355	38	-
-	CHT 350	105	70	425	240	190	240	126	306			530	280	355	-	35
CH 400	-	105	70	480	240	190	240	126	306			530	280	355	45,5	-
-	CHT 400	105	70	465	240	190	240	126	306			530	280	355	-	38,5
-	CHT 550	105	70	480	240	190	240	126	306			530	280	355	-	45,5