

50Hz



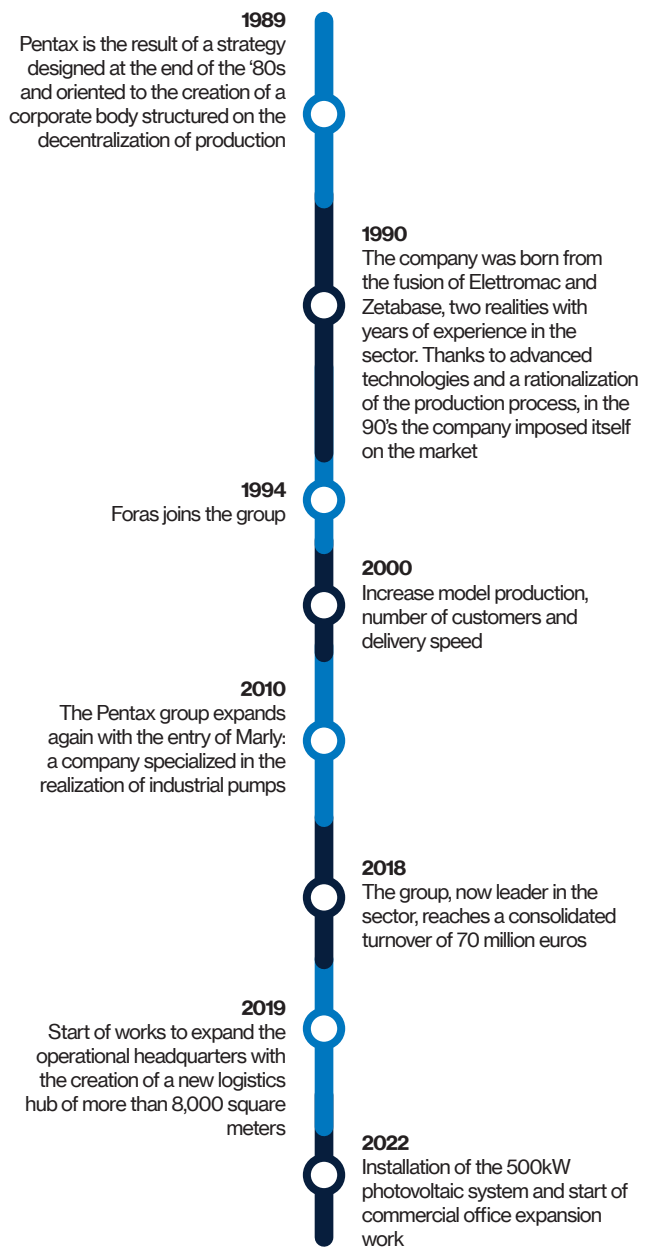
GENERAL CATALOGUE

www.pentax-pumps.it



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.

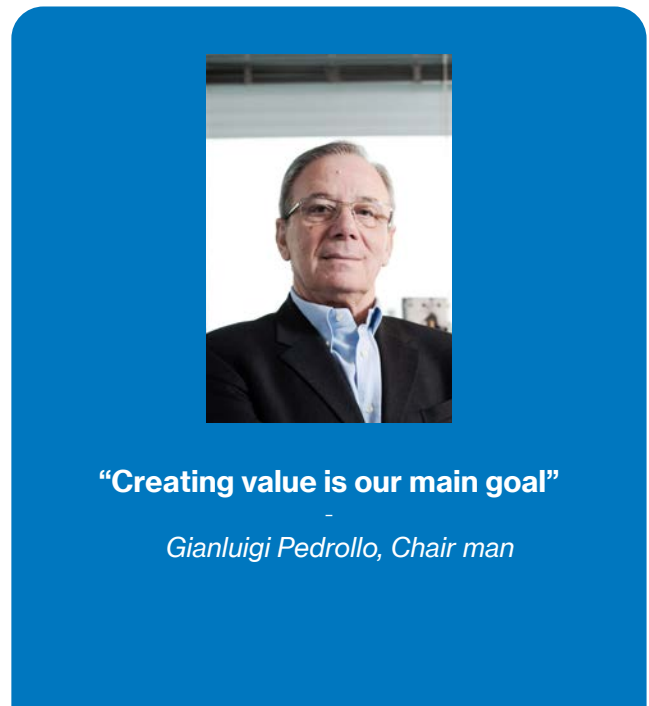


MISSION

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**.



“Creating value is our main goal”

Gianluigi Pedrollo, Chair man

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.



ULTRA HX

Multistage Vertical

Stainless steel multistage vertical pumps. Suitable for clean non-loaded fluids, pressurizing system, irrigation, drinking and glycol water, water treatment, food industry, heating and air conditioning, washing system.



Construction features

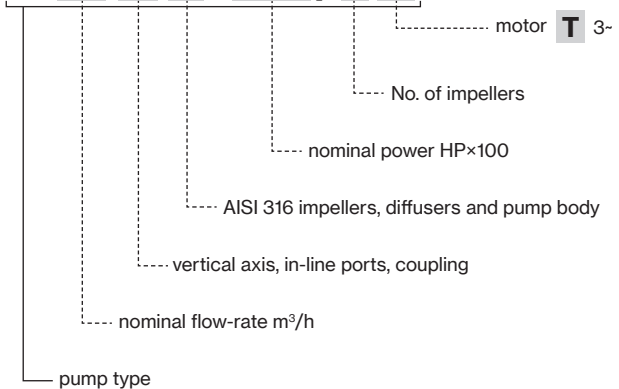
Pump body	EN 1.4401 / AISI 316
Motor bracket	cast iron
Impellers, diffusers, shell, pump shaft	EN 1.4401 / AISI 316
Mechanical seal	silicon carbide-graphite-EPDM
Ambient temperature	max 40 °C
Liquid temperature	-15 ÷ +120 °C (Max 85° for domestic use)
Max operating pressure	max 26 bar
Pump body gasket	EPDM

Motor

2 pole induction motor	3- 230/400V - 50Hz P ≤ 4kW, size B14 V1 3- 400/690V - 50Hz P > 4kW, size B5 V1 IE3 efficiency class
Insulation class	F
Protection degree	IP55



U 18 H X - 100 / 1 T

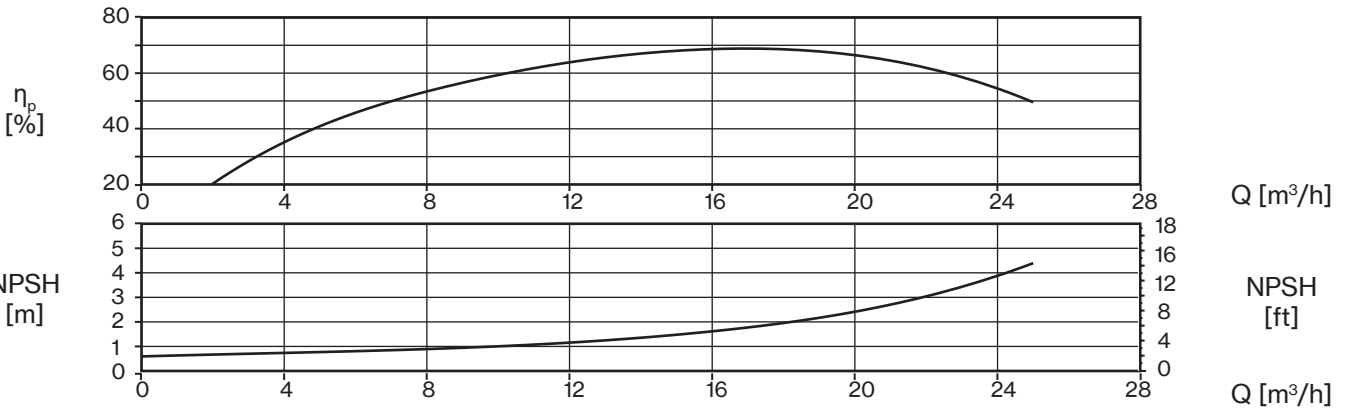
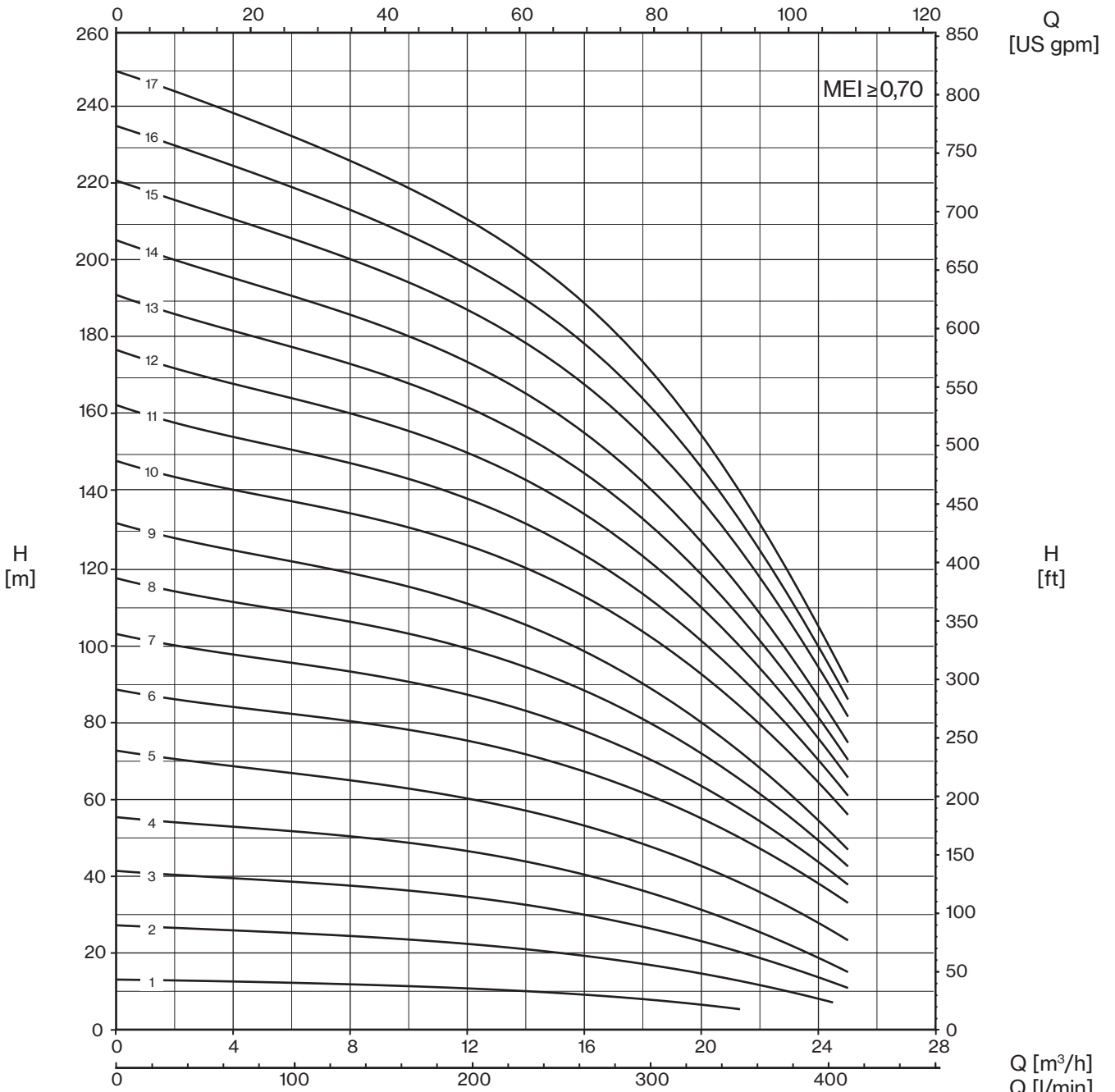


ULTRA 18-22

TYPE	P2		Q (l/min - m ³ /h - US gpm)											
			0	133,3	150	166,7	183,3	200	216,7	233,3	266,7	300	350	400
			0	8	9	10	11	12	13	14	16	18	21	24
			0	35,2	39,6	44,0	48,4	52,8	57,2	61,6	70,3	79,1	92,3	105,5
3-	HP	kW	H (m)											
	U 18HX-100/1T	1	0,75	13,0	11,7	11,6	11,4	11,1	10,8	10,4	10,1	9,1	7,9	5,6
U 18HX-200/2T	2	1,5	27,1	24,3	23,9	23,5	22,9	22,3	21,7	21,1	19,3	17,2	13,1	8,0
U 18HX-300/3T	3	2,2	41,2	37,4	36,7	36,1	35,3	34,4	33,6	32,7	30,1	27,1	20,8	13,5
U 18HX-400/4T	4	3	55,1	50,2	49,3	48,5	47,5	46,3	45,2	44,0	40,6	36,6	28,2	18,5
U 18HX-550/5T	5,5	4	72,3	64,7	63,7	62,6	61,5	60,1	58,5	57,2	53,6	48,7	38,9	27,6
U 18HX-750/6T	7,5	5,5	88,0	80,1	78,9	77,7	76,4	74,9	73,3	71,7	68,0	62,4	51,3	37,5
U 18HX-750/7T	7,5	5,5	102,5	93,0	91,5	90,1	88,6	86,8	84,9	83,0	78,6	72,0	59,1	43,0
U 18HX-1000/8T	10	7,5	116,9	105,9	104,2	102,6	100,8	98,8	96,5	94,4	89,3	81,7	66,9	48,5
U 18HX-1000/9T	10	7,5	131,2	118,5	116,6	114,8	112,7	110,4	107,9	105,5	99,7	91,1	74,3	53,6
U 18HX-1500/10T	15	11	147,3	134,1	132,1	130,1	127,9	125,5	122,8	120,2	114,1	104,8	86,3	63,4
U 18HX-1500/11T	15	11	161,7	147,1	144,9	142,7	140,3	137,6	134,6	131,7	125,0	114,7	94,4	69,2
U 18HX-1500/12T	15	11	176,2	160,0	157,6	155,2	152,6	149,6	146,3	143,2	135,7	124,5	102,3	74,8
U 18HX-1500/13T	15	11	190,6	172,9	170,3	167,7	164,8	161,6	158,0	154,6	146,4	134,2	110,1	80,3
U 18HX-1500/14T	15	11	204,9	185,7	182,9	180,0	176,9	173,4	169,5	165,9	157,0	143,8	117,8	85,7
U 18HX-2000/15T	20	15	220,7	200,2	197,2	194,2	190,8	187,1	183,0	179,0	169,7	155,7	127,8	93,4
U 18HX-2000/16T	20	15	235,1	213,1	209,8	206,6	203,0	199,0	194,6	190,4	180,3	165,3	135,6	98,9
U 18HX-2000/17T	20	15	249,4	225,9	222,4	219,0	215,1	210,9	206,1	201,6	190,9	174,8	143,3	104,2

TYPE	P2		Q (l/min - m ³ /h - US gpm)											
			0	166,7	183,3	200	216,7	233,3	266,7	300	350	400	433,3	466,7
			0	10	11	12	13	14	16	18	21	24	26	28
			0	44,0	48,4	52,8	57,2	61,6	70,3	79,1	92,3	105,5	114,3	123,1
3-	HP	kW	H (m)											
	U 22HX-200/1T	2	1,1	14,3	12,9	12,8	12,5	12,2	11,9	11,4	10,5	9,0	6,7	4,0
U 22HX-300/2T	3	2,2	29,7	26,9	26,6	26,3	26,0	25,5	24,5	23,3	20,7	17,1	13,9	10,6
U 22HX-400/3T	4	3	45,0	40,9	40,4	39,9	39,2	38,5	37,2	35,5	31,6	25,8	21,5	16,6
U 22HX-550/4T	5,5	4	62,2	55,7	54,9	54,2	53,7	52,8	50,9	49,0	44,0	36,8	31,1	25,2
U 22HX-750/5T	7,5	5,5	78,6	70,8	69,9	69,0	68,5	67,4	65,1	62,8	56,9	47,9	41,0	33,5
U 22HX-1000/6T	10	7,5	94,2	86,2	85,1	84,1	83,2	82,2	79,7	77,3	70,0	59,4	51,3	42,0
U 22HX-1000/7T	10	7,5	109,5	99,8	98,5	97,4	96,3	95,1	92,2	89,2	80,6	68,2	58,7	47,9
U 22HX-1500/8T	15	11	126,5	116,1	114,7	113,5	112,3	111,0	107,9	104,8	95,4	81,4	70,7	58,3
U 22HX-1500/9T	15	11	142,0	130,2	128,6	127,2	125,9	124,4	120,8	117,3	106,7	90,8	78,7	64,8
U 22HX-1500/10T	15	11	157,5	144,2	142,4	140,8	139,3	137,7	133,6	129,6	117,7	100,1	86,6	71,1
U 22HX-2000/11T	20	15	174,0	159,4	157,4	155,7	154,1	152,3	147,9	143,5	130,5	111,2	96,4	79,3
U 22HX-2000/12T	20	15	189,5	173,4	171,2	169,3	167,6	165,5	160,7	155,8	141,6	120,4	104,2	85,6
U 22HX-2000/13T	20	15	204,9	187,3	184,9	182,8	180,9	178,7	173,4	168,1	152,5	129,5	111,9	91,7
U 22HX-2000/14T	20	15	220,3	201,1	198,5	196,2	194,1	191,7	186,0	180,2	163,2	138,4	119,4	97,7
U 22HX-2500/15T	25	18,5	237,4	218,1	215,4	213,1	211,0	208,6	202,6	196,8	179,4	153,1	133,0	109,7
U 22HX-2500/16T	25	18,5	252,9	232,2	229,4	226,9	224,6	222,0	215,6	209,4	190,7	162,7	141,1	116,3
U 22HX-2500/17T	25	18,5	268,5	246,3	243,3	240,6	238,2	235,4	228,6	221,9	202,0	172,1	149,2	122,8

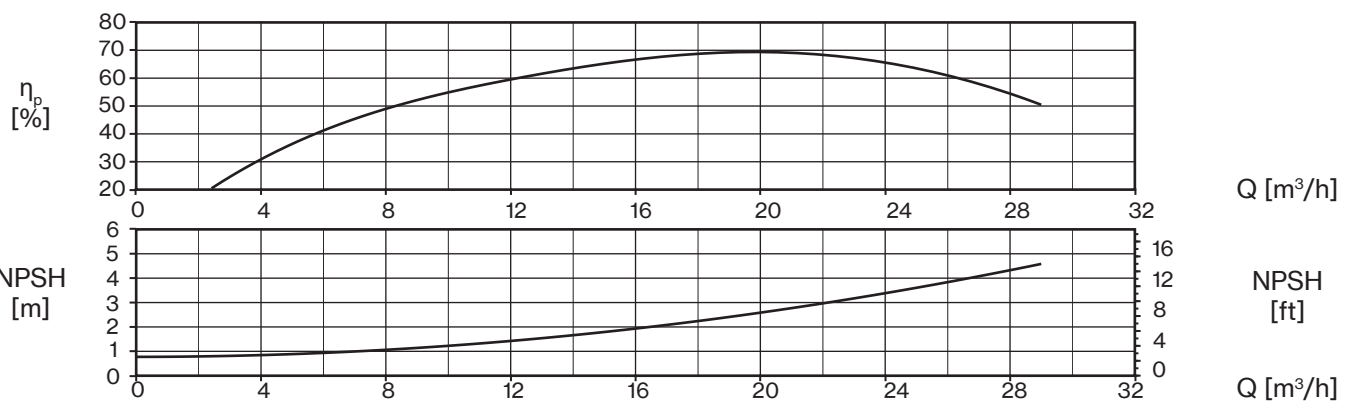
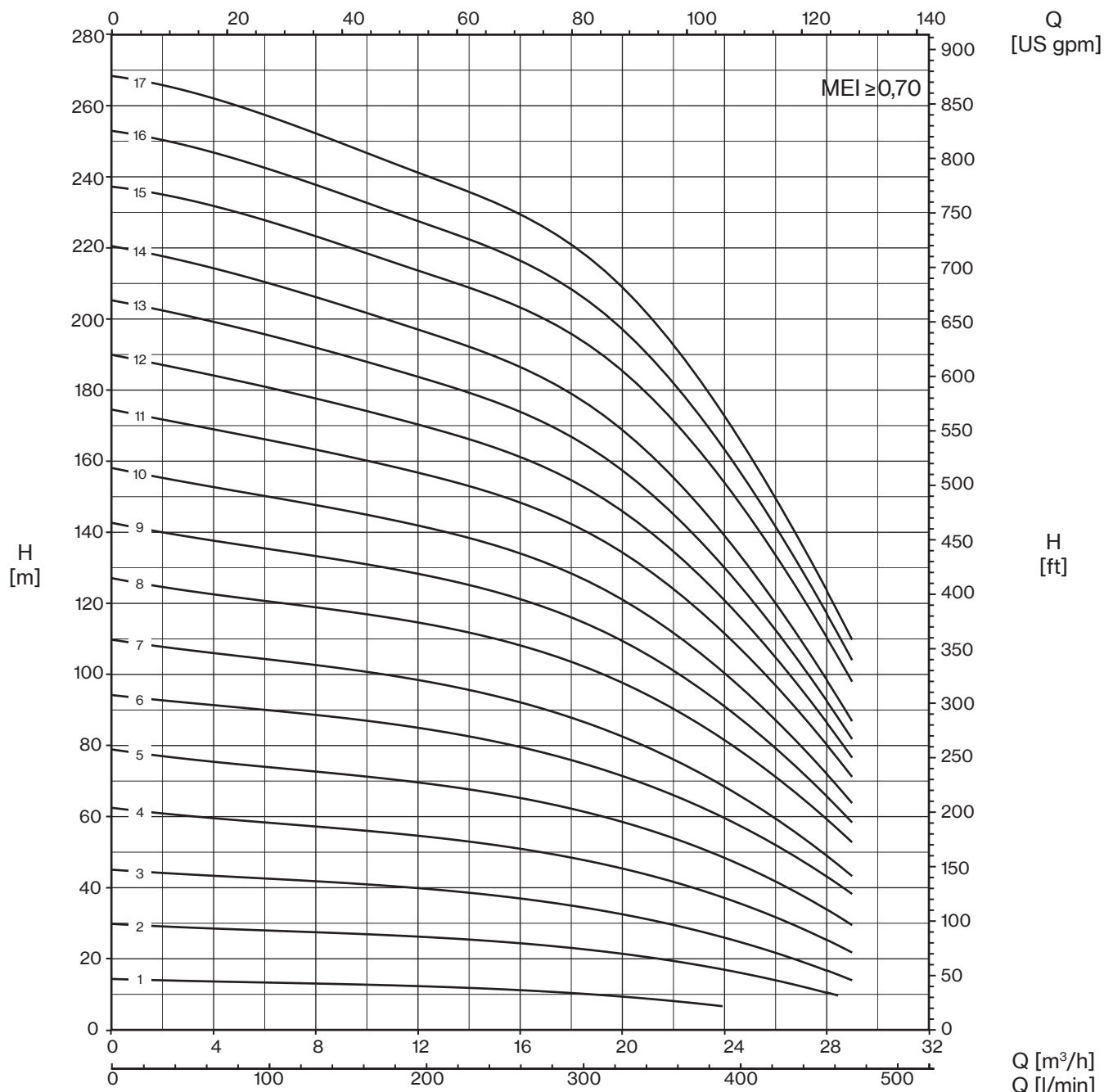


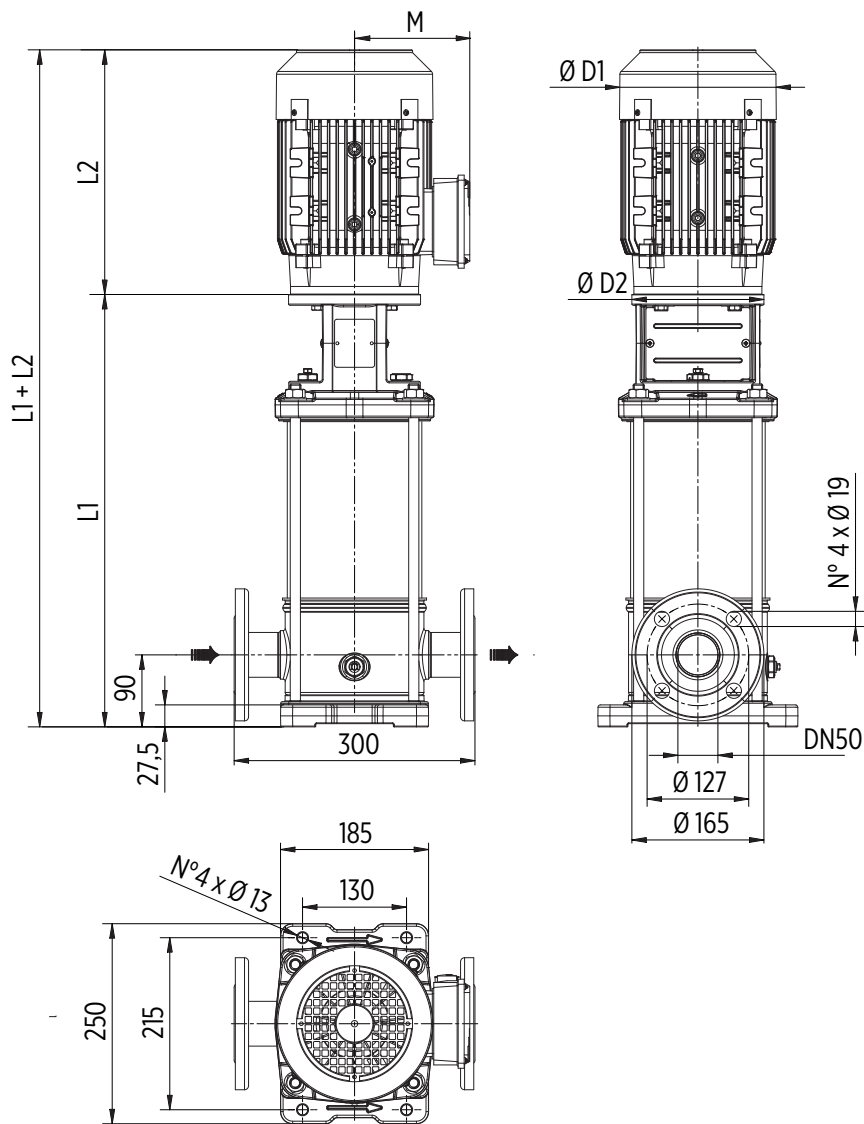


The hydraulic characteristics are guaranteed, according to ISO Standard 9906:2012, grade 3B



22 HX



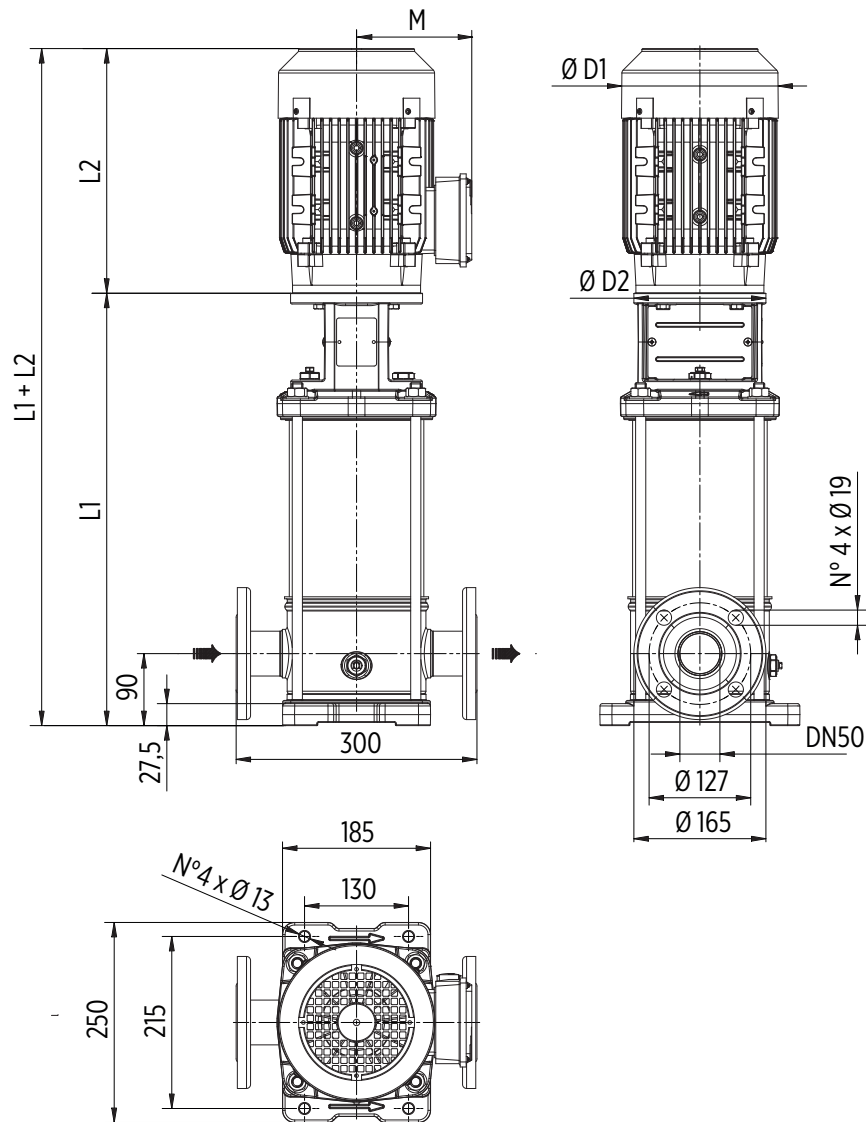


Round flanges on body type PN25/40: the pump is supplied without counterflanges (optional accessories, including bolts and joints)

TYPE	MOTOR		DIMENSIONS (mm)						Kg		
	kW	Dim	L1	L2	M	D1	D2	L1+L2	Pump	Motor	Electric Pump
U 18HX-100/1T	0,75	80	396	243	130	157	170	639	19	17	36
U 18HX-200/2T	1,5	90	396	280	145	177	170	676	20	23	43
U 18HX-300/3T	2,2	90	444	308	145	177	170	752	21,5	26	47,5
U 18HX-400/4T	3	100	492	333	157	205	170	825	22,5	35	57,5
U 18HX-550/5T	4	112	540	350	177	220	170	890	24	43	67
U 18HX-750/6T	5,5	132	800	400	197	256	300	1200	45,5	66	111,5
U 18HX-750/7T	5,5	132	848	400	197	256	300	1248	46,5	66	112,5
U 18HX-1000/8T	7,5	132	896	400	197	256	300	1296	48	73	121
U 18HX-1000/9T	7,5	132	944	400	197	256	300	1344	49,5	73	122,5
U 18HX-1500/10T	11	160	1012	503	255	315	350	1515	54	120	174
U 18HX-1500/11T	11	160	1060	503	255	315	350	1563	55,5	120	175,5
U 18HX-1500/12T	11	160	1108	503	255	315	350	1611	57	120	177
U 18HX-1500/13T	11	160	1156	503	255	315	350	1659	58,5	120	178,5
U 18HX-1500/14T	11	160	1204	503	255	315	350	1707	60	120	180
U 18HX-2000/15T	15	160	1252	503	255	315	350	1755	61	132	193
U 18HX-2000/16T	15	160	1300	503	255	315	350	1803	62,5	132	194,5
U 18HX-2000/17T	15	160	1348	503	255	315	350	1851	64	132	196



22 HX



Round flanges on body type PN25/40: the pump is supplied without counterflanges (optional accessories, including bolts and joints)

TYPE	MOTOR		DIMENSIONS (mm)						Kg		
	kW	Dim	L1	L2	M	D1	D2	L1+L2	Pump	Motor	Electric Pump
U 22HX-200/1T	1,1	80	396	243	130	157	170	639	19	18	37
U 22HX-300/2T	2,2	90	396	308	145	177	170	704	20	26	46
U 22HX-400/3T	3	100	444	333	157	205	170	777	21,5	35	56,5
U 22HX-550/4T	4	112	492	350	177	220	170	842	22,5	43	65,5
U 22HX-750/5T	5,5	132	752	400	197	256	300	1152	44	66	110
U 22HX-1000/6T	7,5	132	800	400	197	256	300	1200	45,5	73	118,5
U 22HX-1000/7T	7,5	132	848	400	197	256	300	1248	46,5	73	119,5
U 22HX-1500/8T	11	160	916	503	255	315	350	1419	51,5	120	171,5
U 22HX-1500/9T	11	160	964	503	255	315	350	1467	53	120	173
U 22HX-1500/10T	11	160	1012	503	255	315	350	1515	54,5	120	174,5
U 22HX-2000/11T	15	160	1060	503	255	315	350	1563	55,5	132	187,5
U 22HX-2000/12T	15	160	1108	503	255	315	350	1611	57	132	189
U 22HX-2000/13T	15	160	1156	503	255	315	350	1659	58,5	132	190,5
U 22HX-2000/14T	15	160	1204	503	255	315	350	1707	60	132	192
U 22HX-2500/15T	18,5	160	1252	598	252	315	350	1850	61,5	150	211,5
U 22HX-2500/16T	18,5	160	1300	598	252	315	350	1898	62,5	150	212,5
U 22HX-2500/17T	18,5	160	1348	598	252	315	350	1946	64	150	214

