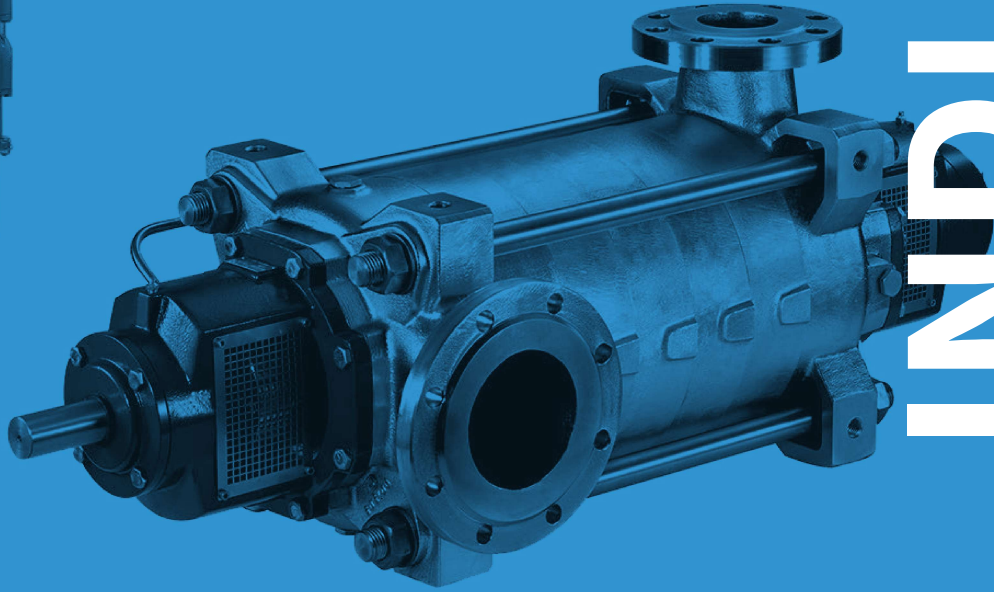
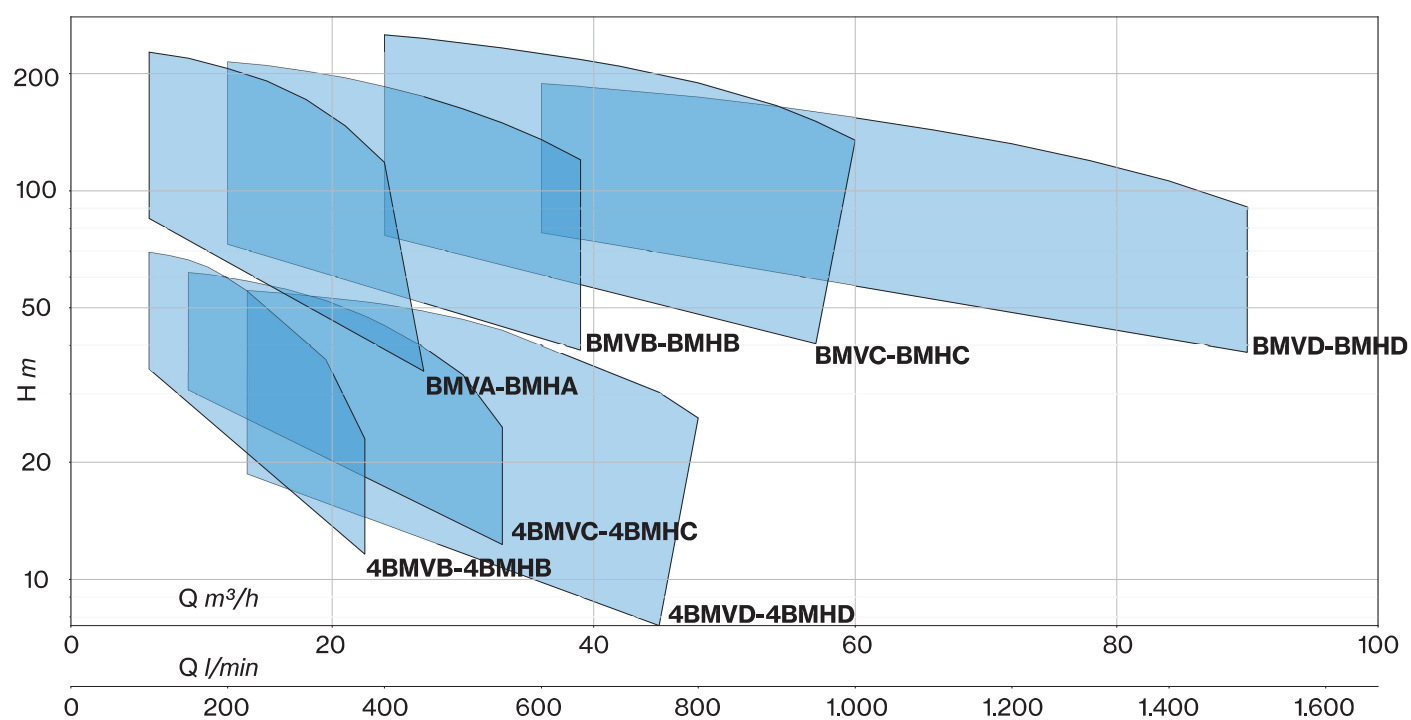




INDUSTRIAL LINE

BM-4BM

Industrial Line



BMV-4BMV

Industrial Line



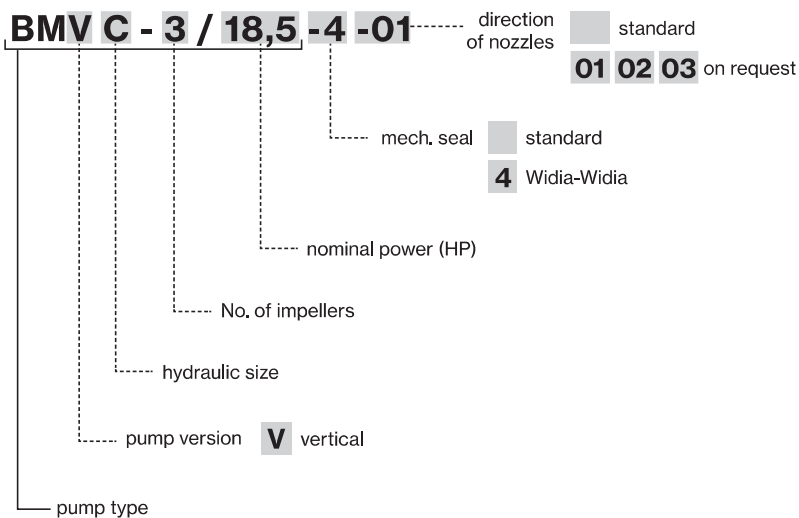
Multi-stage centrifugal pumps that guarantee high pressure. Particularly suitable for civil and industrial applications - in particular pressurisation systems, fire fighting systems and washing plant.

Construction features

Pump body	cast iron
Motor bracket	cast iron
Impeller	brass
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 304
Liquid temperature	-10 ÷ +90 °C
Operating pressure	max 30 bar

Motor

2 and 4 poles induction motor	3~ 230/400V - 50Hz P ≤ 4kW 3~ 400/690V - 50Hz P > 4kW
Insulation class	F
Protection degree	IPX5



BMV ~2900 rpm

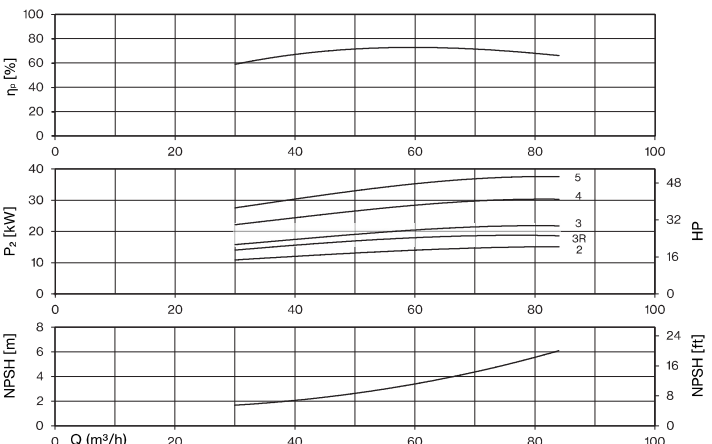
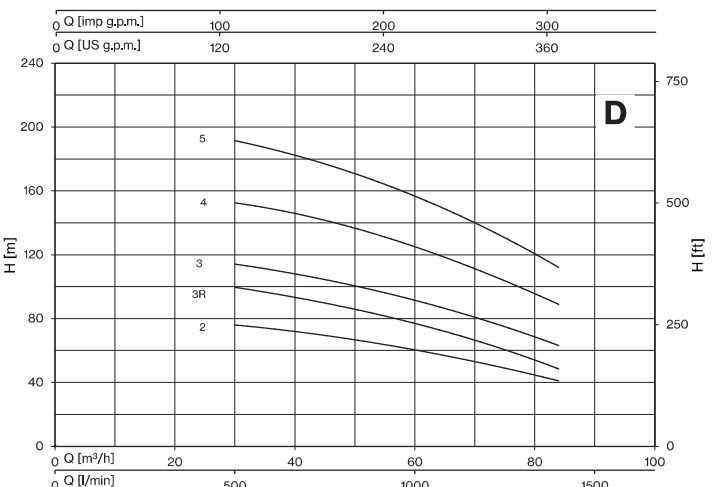
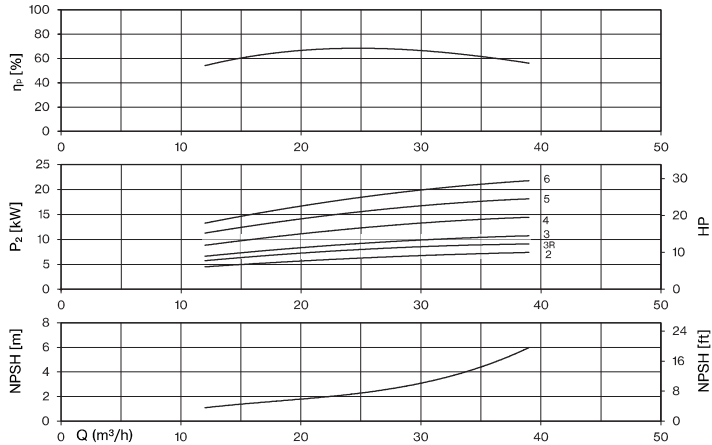
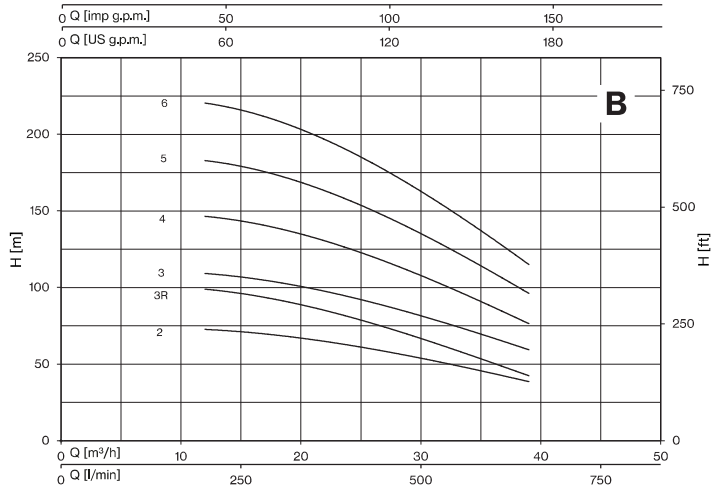
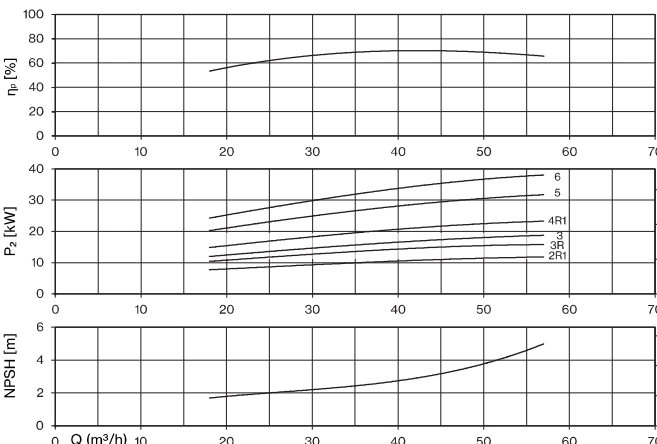
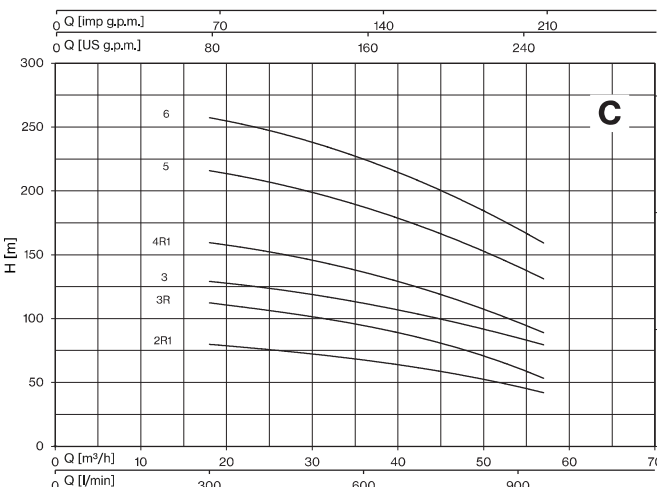
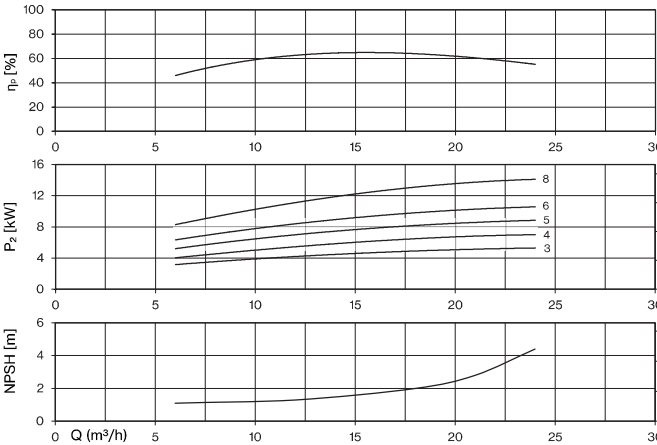
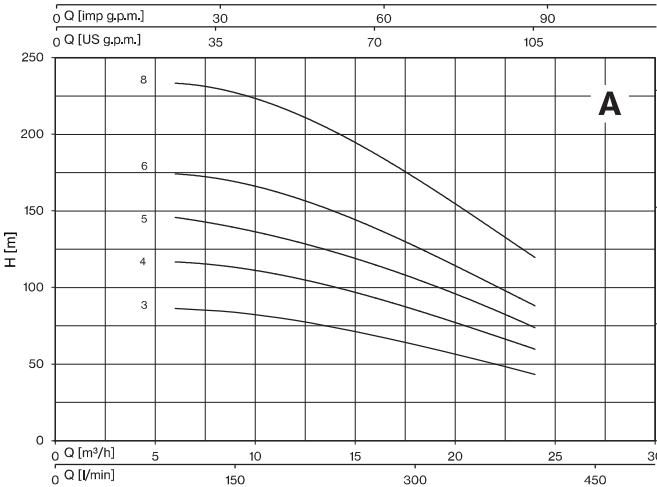
TYPE - 50 Hz	P2		P1	CURRENT	Q (m³/h - l/min - l/s)							
				3~ 400V	0	6	9	12	15	18	21	24
					0	100	150	200	250	300	350	400
					0	1,67	2,5	3,33	4,17	5	5,83	6,67
	HP	kW	kW	A	H (m)							
BMVA-3/5,5	7,5	5,5	6,0	10,1	88,2	86,3	83,7	78,6	71,2	62,6	53,4	43,2
BMVA-4/7,5	10	7,5	7,8	13,0	118,0	116,7	113,0	106,5	96,8	85,2	73,1	59,7
BMVA-5/9,2	12,5	9,2	9,8	16,4	148,2	145,9	138,8	130,0	119,8	105,2	90,7	73,8
BMVA-6/11	15	11	11,8	19,6	177,5	174,2	168,9	158,9	144,2	126,7	107,9	88,0
BMVA-8/15	20	15	15,5	26,3	237,8	233,4	227,0	213,8	194,8	171,4	146,0	119,5

TYPE - 50 Hz	P2		P1	CURRENT	Q (m³/h - l/min - l/s)									
				3~ 400V	0	12	15	18	21	24	27	30	33	36
					0	200	250	300	350	400	450	500	550	600
					0	3,33	4,17	5	5,83	6,67	7,5	8,33	9,17	10
	HP	kW	kW	A	H (m)									
BMVB-2/7,5	10	7,5	8,2	13,4	74,5	72,7	71,1	68,7	66,1	62,4	58,3	53,8	49,0	43,9
BMVB-3R/9,2	12,5	9,2	10,0	16,7	101,8	98,9	96,2	91,4	87,4	81,0	74,3	66,5	58,8	50,8
BMVB-3/11	15	11	11,8	19,6	112,7	109,2	106,9	102,9	99,6	94,1	88,1	81,3	74,5	67,2
BMVB-4/15	20	15	15,9	26,5	149,7	146,5	143,4	138,2	133,4	125,4	117,1	107,4	97,8	87,7
BMVB-5/18,5	25	18,5	19,8	33,0	187,7	182,9	179,2	172,3	166,7	157,2	146,7	134,9	122,7	109,9
BMVB-6/22	30	22	23,6	38,8	225,9	220,4	216,3	207,1	201,1	189,6	176,6	162,5	147,5	131,7

TYPE - 50 Hz	P2		P1	CURRENT	Q (m³/h - l/min - l/s)								
				3~ 400V	0	18	24	30	36	42	48	54	57
					0	300	400	500	600	700	800	900	950
					0	5	6,67	8,33	10	11,67	13,33	15	15,83
	HP	kW	kW	A	H (m)								
BMVC-2R1/11	15	11	13,0	21,4	78,4	79,5	76,3	72,3	67,6	61,8	55,2	46,9	41,8
BMVC-3R/15	20	15	17,4	28,9	110,4	111,9	107,2	101,5	94,5	85,8	75,3	61,5	53,0
BMVC-3/18,5	25	18,5	20,5	34,0	127,6	128,8	124,7	118,8	111,9	104,0	95,1	85,3	79,2
BMVC-4R1/22	30	22	25,3	41,5	159,5	159,0	153,6	145,7	136,3	125,0	112,2	98,1	88,3
BMVC-5/30	40	30	34,6	59,4	214,7	215,7	208,6	198,9	187,2	173,9	158,5	141,2	130,9
BMVC-6/37	50	37	41,2	72,8	256,5	257,1	249,2	238,2	224,6	209,0	191,3	170,7	158,9

TYPE - 50 Hz	P2		P1	CURRENT	Q (m³/h - l/min - l/s)									
				3~ 400V	0	30	36	42	48	54	60	66	72	78
					0	500	600	700	800	900	1000	1100	1200	1300
					0	8,33	10	11,67	13,33	15	16,67	18,33	20	21,67
	HP	kW	kW	A	H (m)									
BMVD-2/15	20	15	16,6	27,6	75,9	75,9	73,8	71,0	67,8	64,3	60,4	56,1	51,5	46,4
BMVD-3R/18,5	25	18,5	20,3	33,7	99,6	99,6	96,0	91,7	87,5	82,7	77,1	70,8	64,0	56,6
BMVD-3/22	30	22	23,7	39,3	113,1	113,9	110,8	106,7	102,0	96,9	91,4	85,4	78,8	71,2
BMVD-4/30	40	30	33,0	57,2	152,0	152,5	148,9	144,1	138,7	132,4	125,1	117,0	108,1	98,8
BMVD-5/37	50	37	40,6	71,9	189,6	191,4	186,4	179,9	173,3	165,7	157,0	147,0	136,0	124,5

BMV ~2900 rpm



4BMV ~1450 rpm

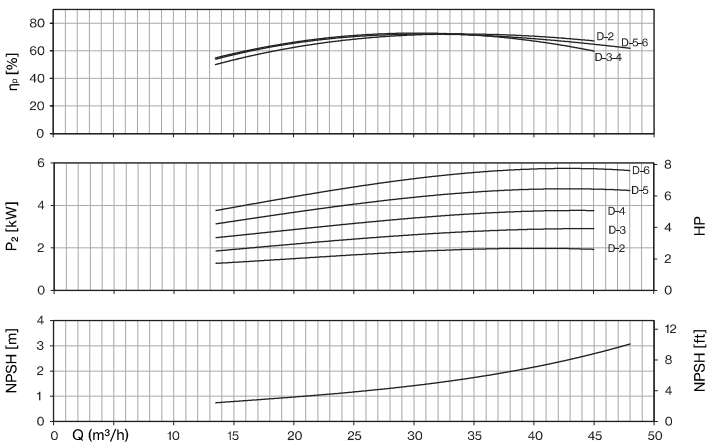
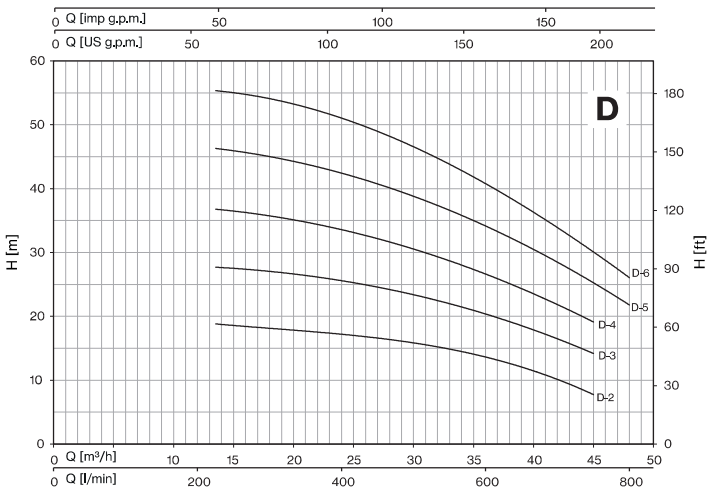
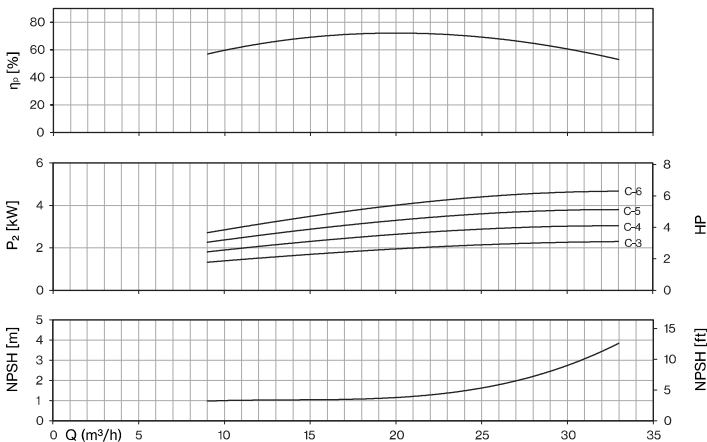
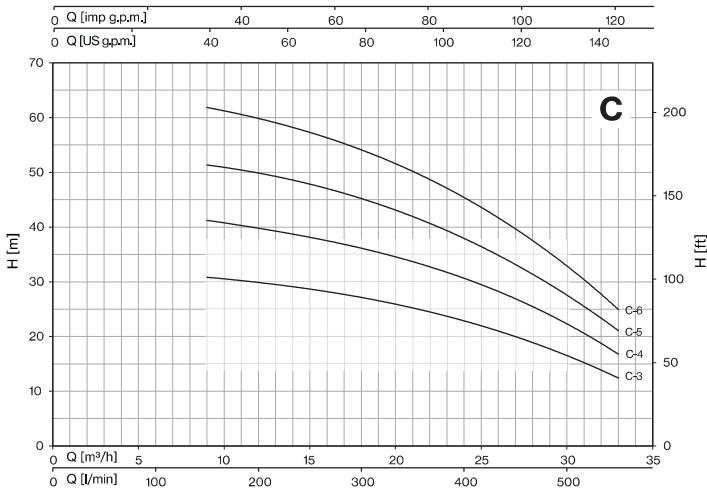
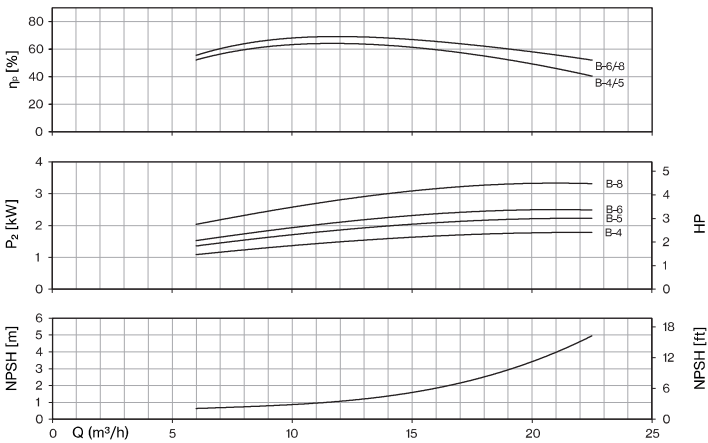
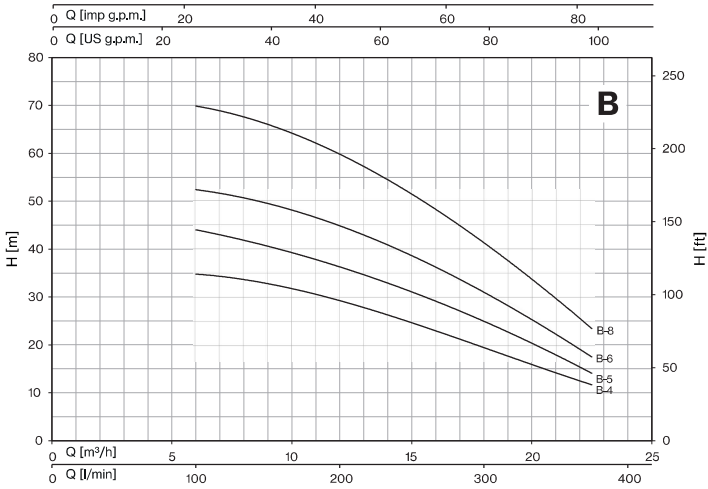
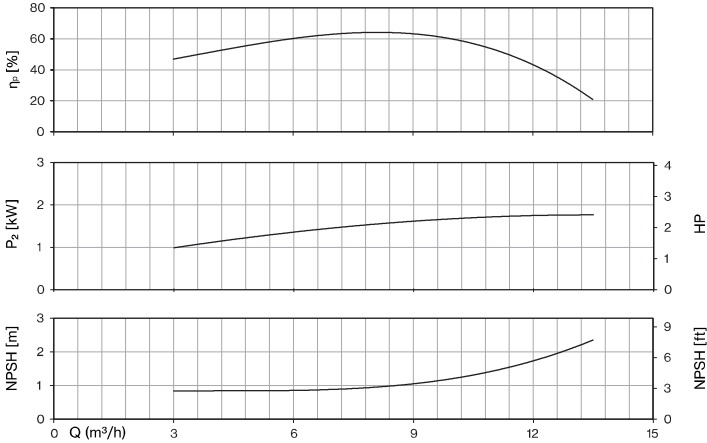
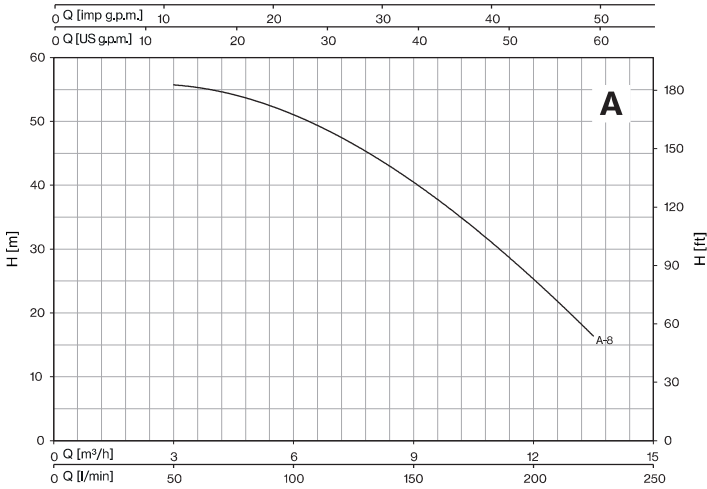
TYPE - 50 Hz	P2		Q (m³/h - l/min - l/s)								
			0	3	4,5	6	7,5	9	10,5	12	13,5
			0	50	75	100	125	150	175	200	225
			0	0,83	1,25	1,67	2,08	2,50	2,92	3,33	3,75
	HP	kW	H (m)								
4BMVA-8/2,2	3	2,2	56,0	55,7	54,2	51,3	46,3	40,2	33,4	25,7	16,2

TYPE - 50 Hz	P2		Q (m³/h - l/min - l/s)								
			0	6	7,5	9	10,5	12	13,5	16,5	19,5
			0	100	125	150	175	200	225	275	325
			0	1,67	2,08	2,50	2,92	3,33	3,75	4,58	5,42
	HP	kW	H (m)								
4BMVB-4/2,2	3	2,2	35,4	34,8	34,0	32,8	31,2	29,3	27,0	22,0	16,9
4BMVB-5/2,2	3	2,2	44,3	43,5	42,5	41,0	39,0	36,6	33,8	27,5	21,1
4BMVB-6/3	4	3	53,2	52,2	51,3	49,9	47,8	44,7	41,5	34,4	27,7
4BMVB-8/4	5,5	4	70,9	69,6	68,3	66,5	63,7	59,7	55,3	45,9	36,9

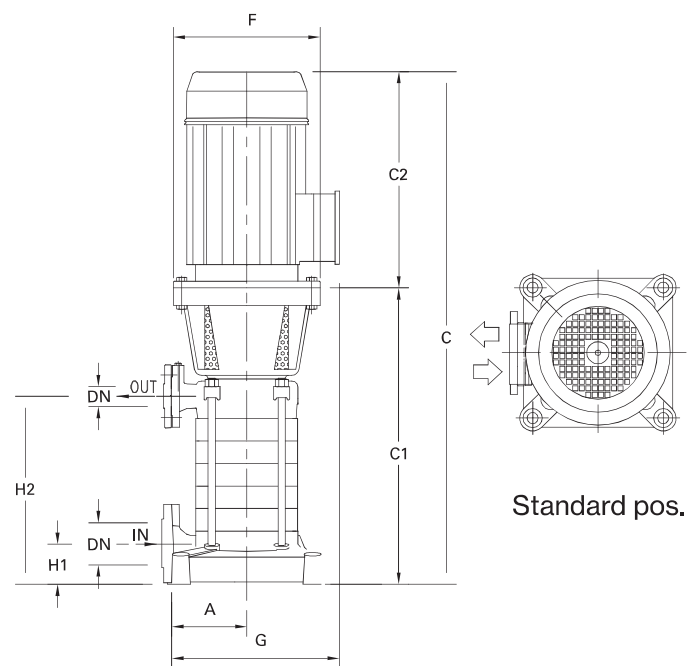
TYPE - 50 Hz	P2		Q (m³/h - l/min - l/s)										
			0	9	10,5	12	13,5	16,5	19,5	22,5	24	27	30
			0	150	175	200	225	275	325	375	400	450	500
			0	2,50	2,92	3,33	3,75	4,58	5,42	6,25	6,67	7,50	8,33
	HP	kW	H (m)										
4BMVC-3/2,2	3	2,2	30,2	30,7	30,5	30,0	29,4	27,9	26,2	24,0	22,8	20,0	16,7
4BMVC-4/3	4	3	40,1	41,0	40,6	39,9	39,1	37,3	35,0	32,0	30,3	26,9	23,1
4BMVC-5/4	5,5	4	50,1	51,3	50,8	49,9	48,8	46,6	43,8	40,0	37,8	33,0	27,8
4BMVC-6/5,5	7,5	5,5	60,3	61,7	61,0	59,9	58,7	55,9	52,3	47,7	45,1	39,6	33,6

TYPE - 50 Hz	P2		Q (m³/h - l/min - l/s)											
			0	13,5	16,5	19,5	22,5	24	27	30	33	39	45	48
			0	225	275	325	375	400	450	500	550	650	750	800
			0	3,75	4,58	5,42	6,25	6,67	7,50	8,33	9,17	10,83	12,50	13,33
	HP	kW	H (m)											
4BMVD-2/2,2	3	2,2	18,3	18,7	18,4	18,0	17,5	17,2	16,5	15,7	14,7	12,3	7,6	
4BMVD-3/3	4	3	27,1	27,7	27,3	26,7	26,0	25,6	24,6	23,5	22,0	18,4	14,2	
4BMVD-4/4	5,5	4	36,2	36,8	36,1	35,2	34,1	33,6	32,3	30,6	28,7	24,2	19,2	
4BMVD-5/5,5	7,5	5,5	45,2	46,3	45,4	44,4	43,2	42,6	41,0	39,0	36,6	30,9	25,3	22,0
4BMVD-6/7,5	10	7,5	54,2	55,5	54,5	53,2	51,9	51,1	49,1	46,8	43,9	37,0	30,3	26,0

4BMV ~1450 rpm

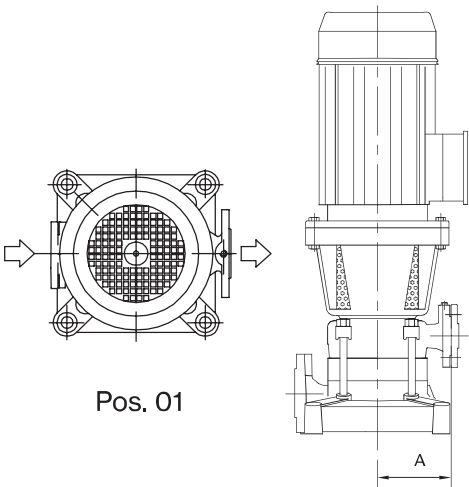


BMV-4BMV



STANDARD

Not available for pump type: MSVB 2/7.5,
MSVC-2R1/11, MSVD-2/15, 4MSVD-2/2.2

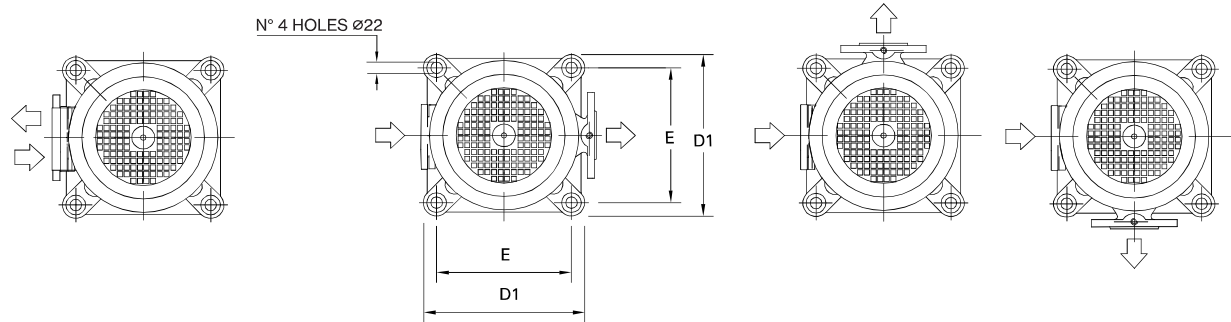


Pos. 01

STANDARD FOR:

MSVB-2/7.5
MSVC-2R1/11
MSVD-2/15
4MSVD-2/2.2

Direction of nozzles



Standard pos.

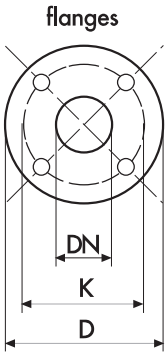
Not available for pump type: MSVB 2/7.5,
MSVC-2R1/11, MSVD-2/15, 4MSVD-2/2.2

Pos. 01

Pos. 02

Pos. 03

DIMENSIONS (mm)				
DN	D	K	holes	
			n°	ø
40	150	110	4	18
50	165	125	4	18
65	185	145	4	18
80	200	160	8	18



BMV ~2900 rpm

TYPE	DN IN	DN OUT	N. STAGE	DIMENSIONS (mm)													
				A	C	C1	C2	D1	E	F	G	H1	H2	I	L	M	
BMVA -3/5,5	(UNI PN 16) 50	(UNI PN 40) 40	3	175	921,5	544,5	377	306	256	300	355	82	255,5	1100	400	500	139,5
BMVA -4/7,5			4		972,5	595,5	377			300	355		306,5	1100	400	500	156
BMVA -5/9,2			5		1062,5	646,5	416			300	355		357,5	1100	400	500	173
BMVA -6/11			6		1113,5	697,5	416			300	355		408,5	1100	400	500	192
BMVA -8/15			8		1297,5	799,5	498			350	410		510,5	1400	500	500	259
BMVB -2/7,5	(UNI PN 16) 50	(UNI PN 40) 40	2	175	870,5	493,5	377	306	256	300	355	82	204,5	1100	400	500	136,5
BMVB -3R/9,2			3		931	515	416			300	335		255,5	1100	400	500	153,5
BMVB -3/11			3		931	515	416			300	355		255,5	1100	400	500	157,5
BMVB -4/15			4		1013	515	498			350	410		306,5	1400	500	500	220,5
BMVB -5/18,5			5		1056	515	541			350	410		357,5	1400	500	500	245
BMVB -6/22			6		1056	515	541			350	410		408,5	1400	500	500	265
BMVC -2R1/11	(UNI PN 16) 65	(UNI PN 40) 50	2	200	944	528	416	332	282	300	380	95	233	1100	400	500	167
BMVC -3R/15			3		1086	588	498			350	435		293	1100	400	500	234
BMVC -3/18,5			3		1129	588	541			350	435		293	1400	500	500	249
BMVC -4R1/22			4		1189	648	541			350	435		353	1400	500	500	273
BMVC -5/30			5		1276	708	568			350	450		413	1400	500	500	321,5
BMVC -6/37			6		1376	768	608			350	450		473	1400	500	500	360,5
BMVD -2/15	(UNI PN 16) 65	(UNI PN 40) 50	2	200	1026	528	498	332	282	350	435	95	233	1400	400	500	219
BMVD -3R/18,5			3		1129	588	541			350	435		293	1400	500	500	247
BMVD -3/22			3		1129	588	541			350	435		293	1400	500	500	257,5
BMVD -4/30			4		1216	648	568			350	450		353	1400	500	500	305
BMVD -5/37			5		1316	708	608			350	450		413	1400	500	500	342,5

4BMV ~1450 rpm

TYPE	DN IN	DN OUT	N. STAGE	DIMENSIONS (mm)													
				A	C	C1	C2	D1	E	F	G	H1	H2	I	L	M	
4BMVA -8/2,2	(UNI PN 16) 50	(UNI PN 40) 40	8	175	1078	762,5	315	306	256	250	345	82	510,5	1100	400	500	183
4BMVB -4/2,2			4	175	874	558,5	315	306	256	250	345	82	306,5	1100	400	500	136
4BMVB -5/2,2			5		925	609,5	315			250	345		357,5	1400	500	500	140
4BMVB -6/3			6		976	660,5	315			250	345		408,5	1400	500	500	171
4BMVB -8/4			8		1103	762,5	340			250	368		511	1400	500	500	200
4BMVC -3/2,2	(UNI PN 16) 65	(UNI PN 40) 50	3	200	866	551	315	332	282	250	370	95	293	1100	400	500	192
4BMVC -4/3			4		926	611	315			250	370		353	1100	400	500	194
4BMVC -5/4			5		1011	671	340			250	393		413	1100	400	500	202
4BMVC -6/5,5			6		1116	731	385			300	423		473	1400	500	500	206
4BMVD -2/2,2	(UNI PN 16) 65	(UNI PN 40) 50	2	200	806	491	315	332	282	250	370	95	233	1100	400	500	135
4BMVD -3/3			3		866	551	315			250	370		293	1100	400	500	167
4BMVD -4/4			4		951	611	340			250	393		353	1100	400	500	189
4BMVD -5/5,5			5		1056	671	385			300	423		413	1100	400	500	194
4BMVD -6/7,5			6		1156	731	425			300	423		473	1400	500	500	218

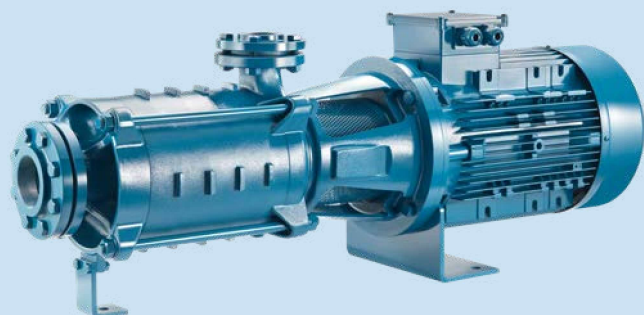
BMV-4BMV Serie-Mechanical seal and bearings

MECHANICAL SEAL	PUMP MODEL	SHAFT $\varnothing$		STANDARD MATERIAL	OPTIONAL
					4
	BMVA-3/5,5 BMVB-2/7,5 4BMVA-8/2,2 4BMVB-4/2,2 4BMVB-5/2,2 4BMVB-6/3 4BMVB-8/4	25mm	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Ceramic Graphite NBR	Widia Widia NBR
	BMVC-2R1/11 BMVD-2/15 4BMVC-3/2,2 4BMVC-4/3 4BMVC-5/4 4BMVC-6/5,5 4BMVD-2/2,2 4BMVD-3/3 4BMVD-4/4 4BMVD-5/5,5 4BMVD-6/7,5	35mm	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Ceramic Graphite NBR	Widia Widia NBR
	BMVA-4/7,5 BMVA-5/9,2 BMVA-6/11 BMVA-8/15 BMVB-3R/9,2 BMVB-3/11 BMVB-4/15 BMVB-5/18,5 BMVB-6/22	25mm / Balanced seal	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Widia Graphite NBR	Widia Widia NBR
	BMVC-3R/15 BMVC-3/18,5 BMVC-4R1/22 BMVC-5/30 BMVC-6/37 BMVD-3R/18,5 BMVD-3/22 BMVD-4/30 BMVD-5/37	35mm / Balanced seal	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Widia Graphite NBR	Widia Widia NBR

BEARINGS	PUMP MODEL	TYPE	
	4BMVA-8/2,2 4BMVB-4/2,2 4BMVB-5/2,2 4BMVC-3/2,2 4BMVD-2/2,2	6205-ZZ C3	6205-ZZ C3
	4BMVB-6/3 4BMVB-8/4 4BMVC-4/3 4BMVC-5/4 4BMVD-3/3 4BMVD-4/4	6206-ZZ C3	6206-ZZ C3
	BMVA-3/5,5-132S BMVA-4/7,5-132S BMVA-5/9,2-132M BMVA-6/11-132M BMVB-2/7,5-132S BMVB-3R/9,2-132M BMVB-3/11-132M BMVC-2R1/11-132M	6206-ZZ C3	6308-ZZ C3
	4BMVC-6/5,5-132S 4BMVD-5/5,5-132S 4BMVD-6/7,5-132S	6208-ZZ C3	6208-ZZ C3
	BMVA-8/15-160M BMVB-4/15-160M BMVB-5/18,5-160L BMVB-6/22-160L BMVC-3R/15-160M BMVC-3/18,5-160L BMVC-4R1/22-160L BMVD-2/15-160M BMVD-3R/18,5-160L BMVD-3/22-160L	6308-ZZ C3	6309-ZZ C3
	BMVC-5/30-180M BMVC-6/37-180L BMVD-4/30-180M BMVD-5/37-180L	6309-ZZ C3	3310-ZZ C3

BMH-4BMH

Industrial Line



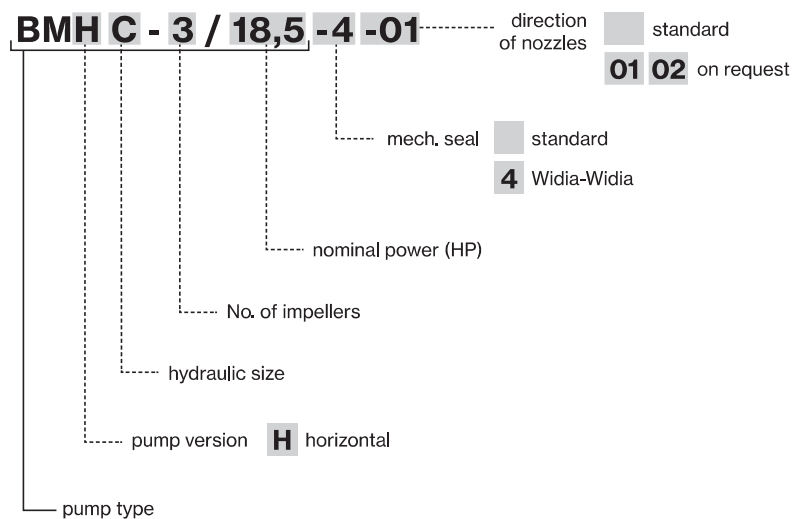
Multi-stage centrifugal pumps that guarantee high pressure. Particularly suitable for civil and industrial applications - in particular pressurisation systems, fire fighting systems and washing plant.

Construction features

Pump body	cast iron
Motor bracket	cast iron
Impeller	brass
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 304
Liquid temperature	-10 ÷ +90 °C
Operating pressure	max 30 bar

Motor

2 and 4 poles induction motor	3~ 230/400V - 50Hz P ≤ 4kW 3~ 400/690V - 50Hz P > 4kW
Insulation class	F
Protection degree	IPX5



BMH ~2900 rpm

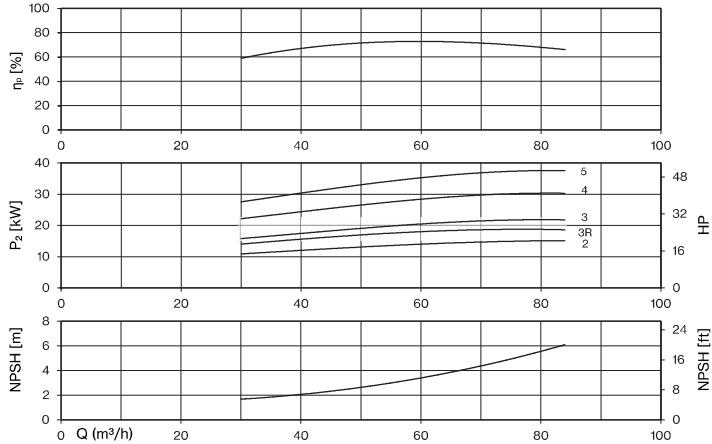
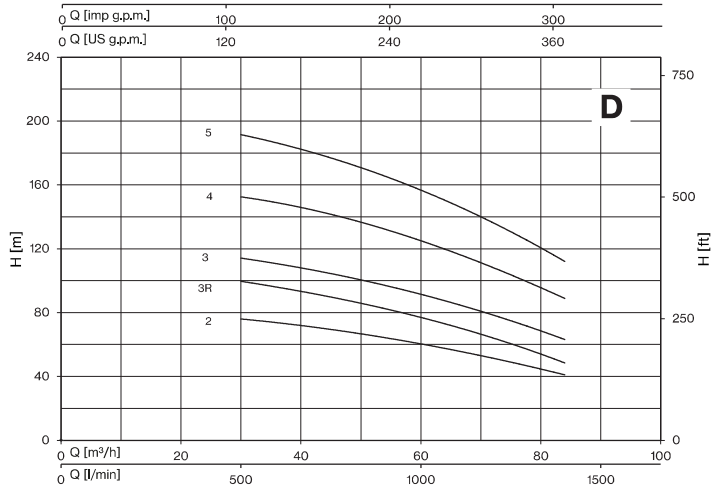
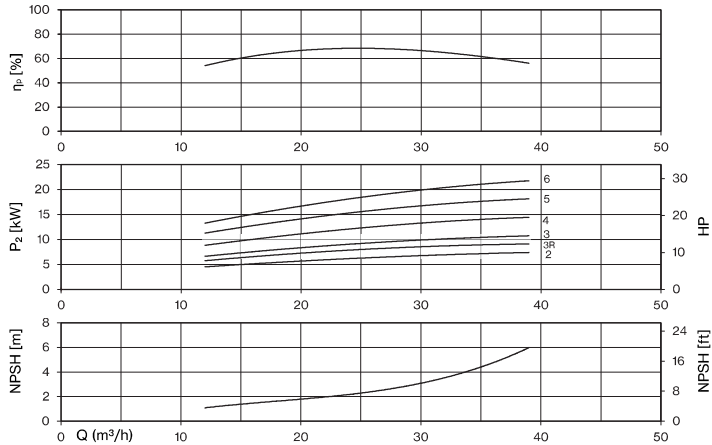
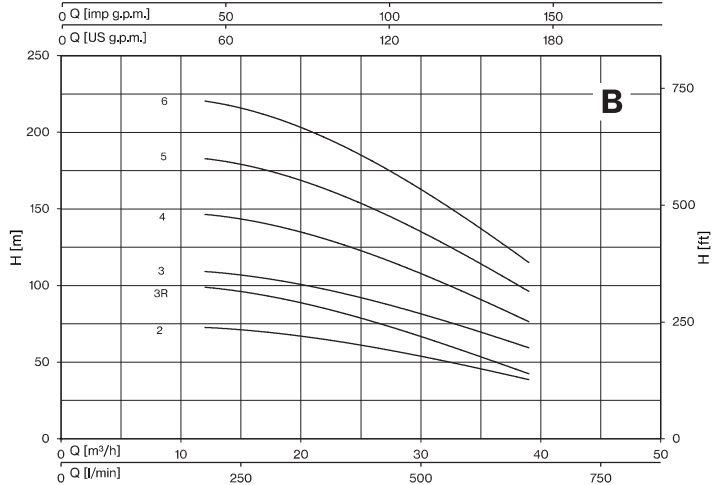
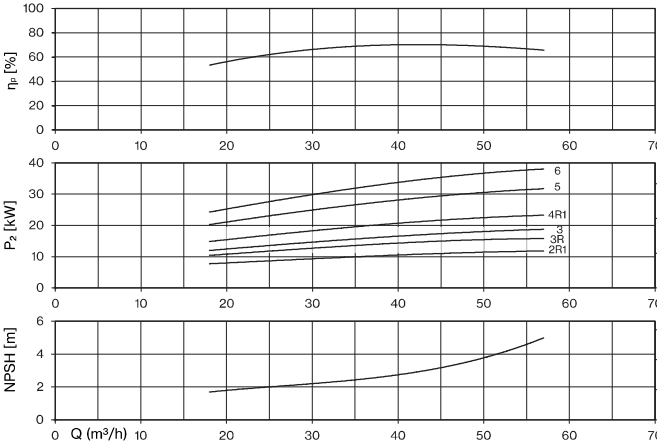
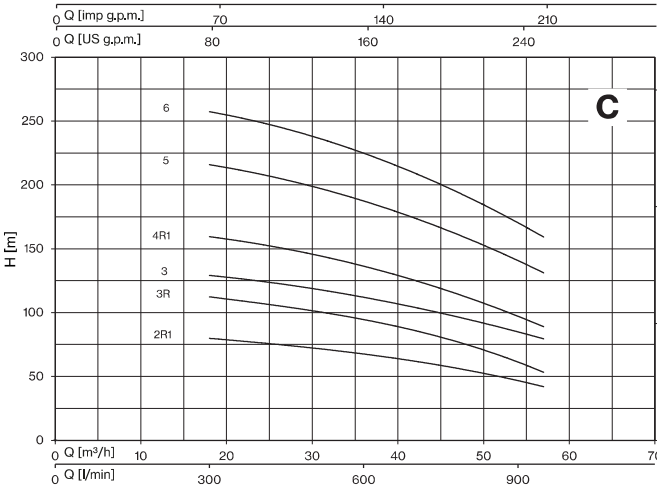
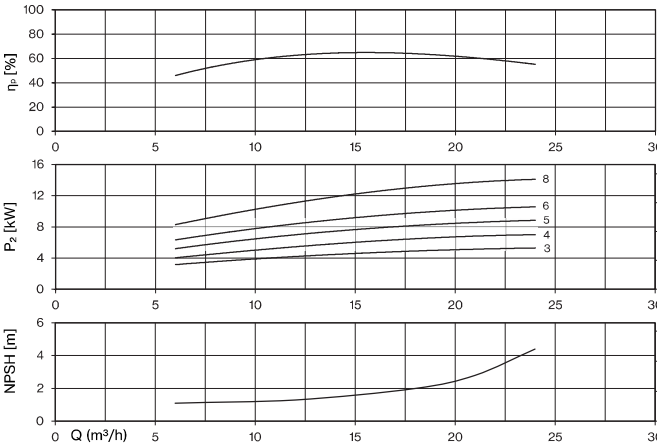
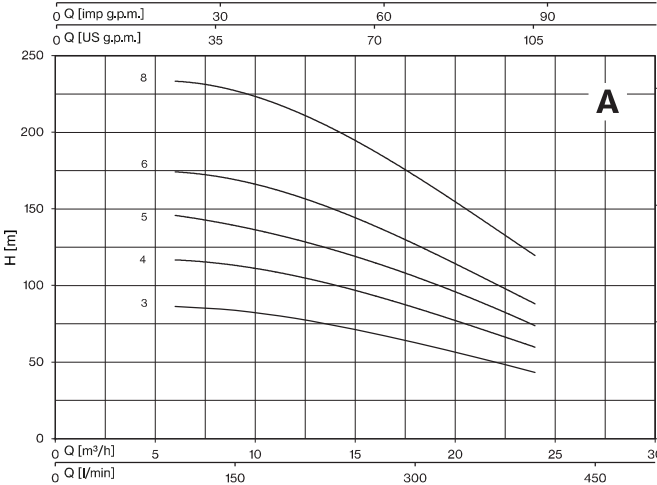
TYPE - 50 Hz	P2		P1	CURRENT	Q (m³/h - l/min - l/s)							
				3~ 400V	0	6	9	12	15	18	21	24
					0	100	150	200	250	300	350	400
	0	1,67	2,5		3,33	4,17	5	5,83	6,67			
HP	kW	kW	A	H (m)								
BMHA-3/5,5	7,5	5,5	6,0	10,1	88,2	86,3	83,7	78,6	71,2	62,6	53,4	43,2
BMHA-4/7,5	10	7,5	7,8	13,0	118,0	116,7	113,0	106,5	96,8	85,2	73,1	59,7
BMHA-5/9,2	12,5	9,2	9,8	16,4	148,2	145,9	138,8	130,0	119,8	105,2	90,7	73,8
BMHA-6/11	15	11	11,8	19,6	177,5	174,2	168,9	158,9	144,2	126,7	107,9	88,0
BMHA-8/15	20	15	15,5	26,3	237,8	233,4	227,0	213,8	194,8	171,4	146,0	119,5

TYPE - 50 Hz	P2		P1	CURRENT	Q (m³/h - l/min - l/s)										
				3~ 400V	0	12	15	18	21	24	27	30	33	36	39
					0	200	250	300	350	400	450	500	550	600	650
	0	3,33	4,17		5	5,83	6,67	7,5	8,33	9,17	10	10,83			
HP	kW	kW	A	H (m)											
BMHB-2/7,5	10	7,5	8,2	13,4	74,5	72,7	71,1	68,7	66,1	62,4	58,3	53,8	49,0	43,9	38,6
BMHB-3R/9,2	12,5	9,2	10,0	16,7	101,8	98,9	96,2	91,4	87,4	81,0	74,3	66,5	58,8	50,8	42,4
BMHB-3/11	15	11	11,8	19,6	112,7	109,2	106,9	102,9	99,6	94,1	88,1	81,3	74,5	67,2	59,3
BMHB-4/15	20	15	15,9	26,5	149,7	146,5	143,4	138,2	133,4	125,4	117,1	107,4	97,8	87,7	76,2
BMHB-5/18,5	25	18,5	19,8	33,0	187,7	182,9	179,2	172,3	166,7	157,2	146,7	134,9	122,7	109,9	96,2
BMHB-6/22	30	22	23,6	38,8	225,9	220,4	216,3	207,1	201,1	189,6	176,6	162,5	147,5	131,7	115,1

TYPE - 50 Hz	P2		P1	CURRENT	Q (m³/h - l/min - l/s)								
				3- 400V	0	18	24	30	36	42	48	54	57
					0	300	400	500	600	700	800	900	950
	0	5	6,67		8,33	10	11,67	13,33	15	15,83			
	HP	kW	kW	A	H (m)								
BMHC-2R1/11	15	11	13,0	21,4	78,4	79,5	76,3	72,3	67,6	61,8	55,2	46,9	41,8
BMHC-3R/15	20	15	17,4	28,9	110,4	111,9	107,2	101,5	94,5	85,8	75,3	61,5	53,0
BMHC-3/18,5	25	18,5	20,5	34,0	127,6	128,8	124,7	118,8	111,9	104,0	95,1	85,3	79,2
BMHC-4R1/22	30	22	25,3	41,5	159,5	159,0	153,6	145,7	136,3	125,0	112,2	98,1	88,3
BMHC-5/30	40	30	34,6	59,4	214,7	215,7	208,6	198,9	187,2	173,9	158,5	141,2	130,9
BMHC-6/37	50	37	41,2	72,8	256,5	257,1	249,2	238,2	224,6	209,0	191,3	170,7	158,9

TYPE - 50 Hz	P2		P1	CURRENT	Q (m³/h - l/min - l/s)										
				3~ 400V	0	30	36	42	48	54	60	66	72	78	84
					0	500	600	700	800	900	1000	1100	1200	1300	1400
	0	8,33	10		11,67	13,33	15	16,67	18,33	20	21,67	23,33			
HP	kW	kW	A	H (m)											
BMHD-2/15	20	15	16,6	27,6	75,9	75,9	73,8	71,0	67,8	64,3	60,4	56,1	51,5	46,4	41,0
BMHD-3R/18,5	25	18,5	20,3	33,7	99,6	99,6	96,0	91,7	87,5	82,7	77,1	70,8	64,0	56,6	48,5
BMHD-3/22	30	22	23,7	39,3	113,1	113,9	110,8	106,7	102,0	96,9	91,4	85,4	78,8	71,2	63,0
BMHD-4/30	40	30	33,0	57,2	152,0	152,5	148,9	144,1	138,7	132,4	125,1	117,0	108,1	98,8	89,0
BMHD-5/37	50	37	40,6	71,9	189,6	191,4	186,4	179,9	173,3	165,7	157,0	147,0	136,0	124,5	112,3

BMH ~2900 rpm



4BMH ~1450 rpm

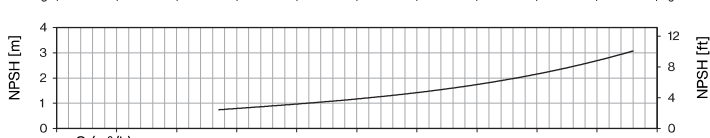
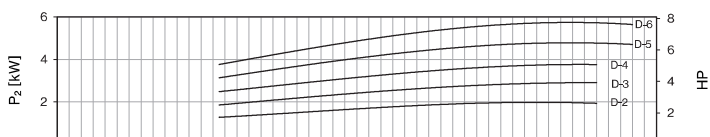
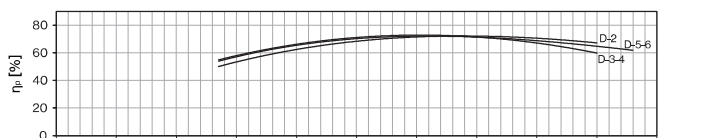
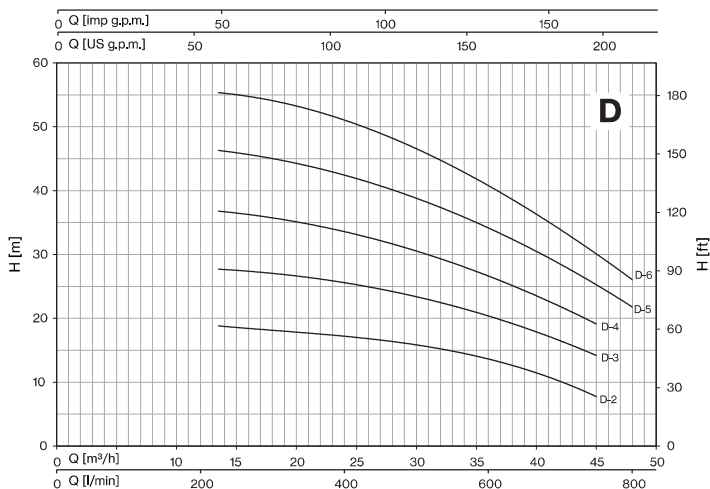
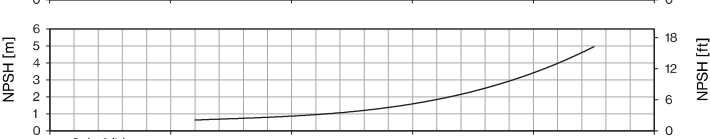
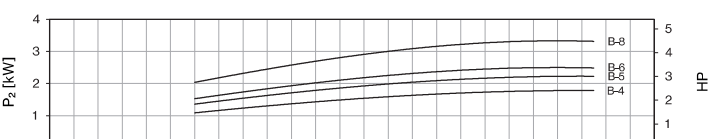
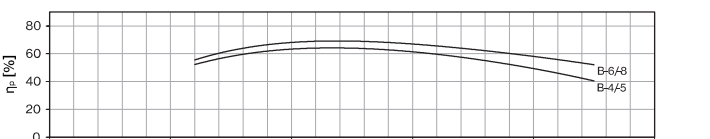
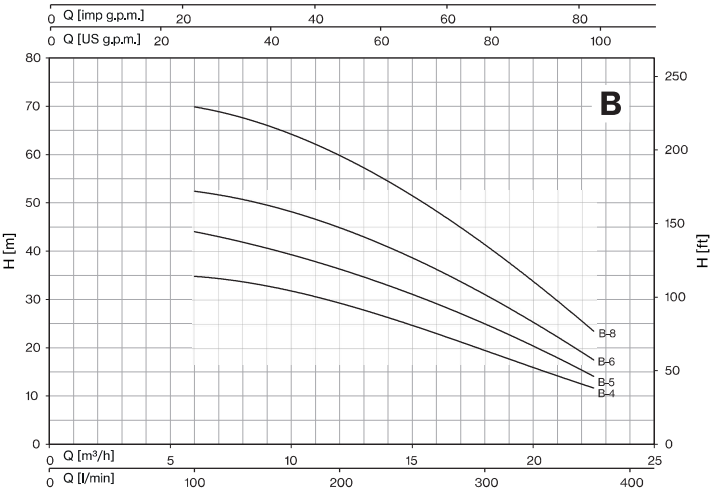
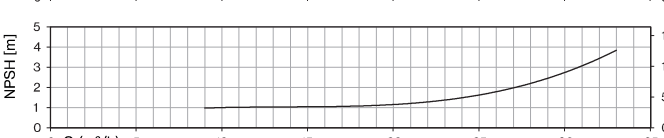
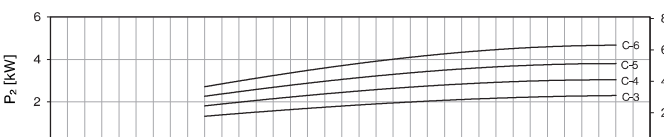
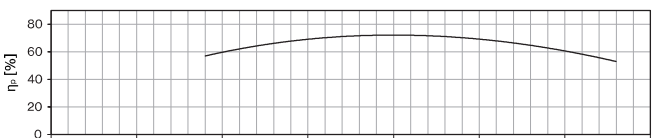
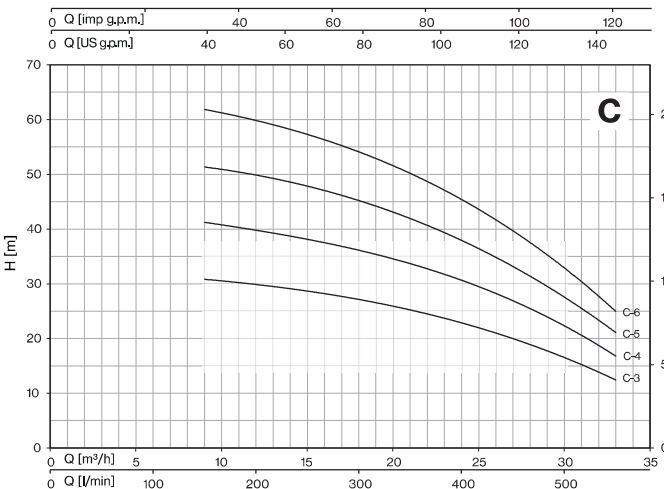
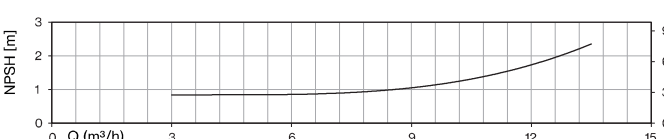
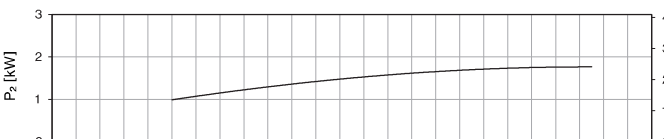
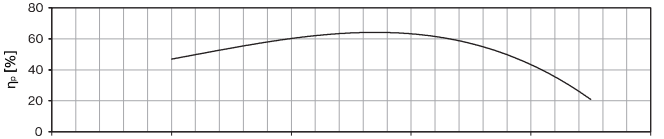
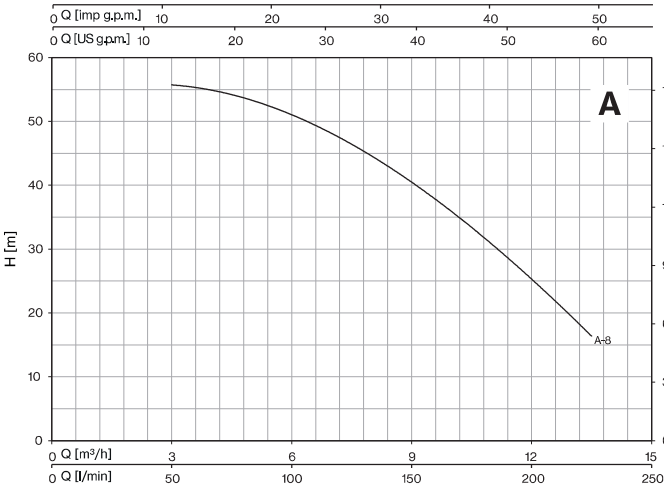
TYPE - 50 Hz	P2		Q (m³/h - l/min - l/s)								
			0	3	4,5	6	7,5	9	10,5	12	13,5
			0	50	75	100	125	150	175	200	225
			0	0,83	1,25	1,67	2,08	2,50	2,92	3,33	3,75
	HP	kW	H (m)								
4BMHA-8/2,2	3	2,2	56,0	55,7	54,2	51,3	46,3	40,2	33,4	25,7	16,2

TYPE - 50 Hz	P2		Q (m³/h - l/min - l/s)									
			0	6	7,5	9	10,5	12	13,5	16,5	19,5	22,5
			0	100	125	150	175	200	225	275	325	375
			0	1,67	2,08	2,50	2,92	3,33	3,75	4,58	5,42	6,25
	HP	kW	H (m)									
4BMHB-4/2,2	3	2,2	35,4	34,8	34,0	32,8	31,2	29,3	27,0	22,0	16,9	11,6
4BMHB-5/2,2	3	2,2	44,3	43,5	42,5	41,0	39,0	36,6	33,8	27,5	21,1	14,6
4BMHB-6/3	4	3	53,2	52,2	51,3	49,9	47,8	44,7	41,5	34,4	27,7	17,2
4BMHB-8/4	5,5	4	70,9	69,6	68,3	66,5	63,7	59,7	55,3	45,9	36,9	23,0

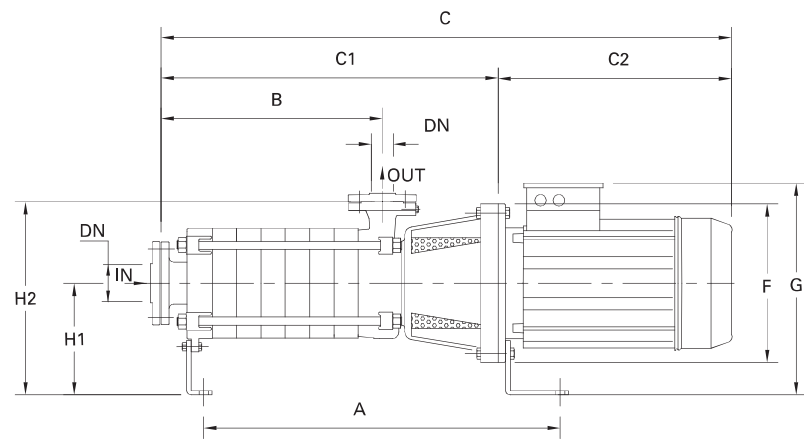
TYPE - 50 Hz	P2		Q (m³/h - l/min - l/s)											
			0	9	10,5	12	13,5	16,5	19,5	22,5	24	27	30	33
			0	150	175	200	225	275	325	375	400	450	500	550
	0	2,50	2,92	3,33	3,75	4,58	5,42	6,25	6,67	7,50	8,33	9,17		
HP	kW	H (m)												
4BMHC-3/2,2	3	2,2	30,2	30,7	30,5	30,0	29,4	27,9	26,2	24,0	22,8	20,0	16,7	12,3
4BMHC-4/3	4	3	40,1	41,0	40,6	39,9	39,1	37,3	35,0	32,0	30,3	26,9	23,1	16,4
4BMHC-5/4	5,5	4	50,1	51,3	50,8	49,9	48,8	46,6	43,8	40,0	37,8	33,0	27,8	21,0
4BMHC-6/5,5	7,5	5,5	60,3	61,7	61,0	59,9	58,7	55,9	52,3	47,7	45,1	39,6	33,6	24,6

TYPE - 50 Hz	P2		Q (m³/h - l/min - l/s)											
			0	13,5	16,5	19,5	22,5	24	27	30	33	39	45	48
			0	225	275	325	375	400	450	500	550	650	750	800
			0	3,75	4,58	5,42	6,25	6,67	7,50	8,33	9,17	10,83	12,50	13,33
	HP	kW	H (m)											
4BMHD-2/2,2	3	2,2	18,3	18,7	18,4	18,0	17,5	17,2	16,5	15,7	14,7	12,3	7,6	
4BMHD-3/3	4	3	27,1	27,7	27,3	26,7	26,0	25,6	24,6	23,5	22,0	18,4	14,2	
4BMHD-4/4	5,5	4	36,2	36,8	36,1	35,2	34,1	33,6	32,3	30,6	28,7	24,2	19,2	
4BMHD-5/5,5	7,5	5,5	45,2	46,3	45,4	44,4	43,2	42,6	41,0	39,0	36,6	30,9	25,3	22,0
4BMHD-6/7,5	10	7,5	54,2	55,5	54,5	53,2	51,9	51,1	49,1	46,8	43,9	37,0	30,3	26,0

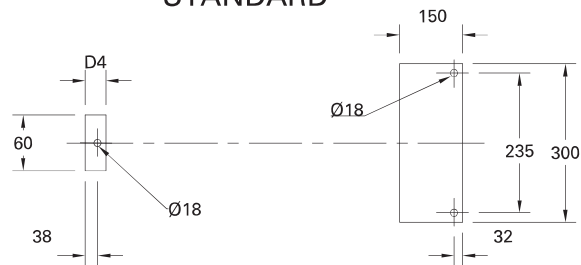
4BMH ~1450 rpm



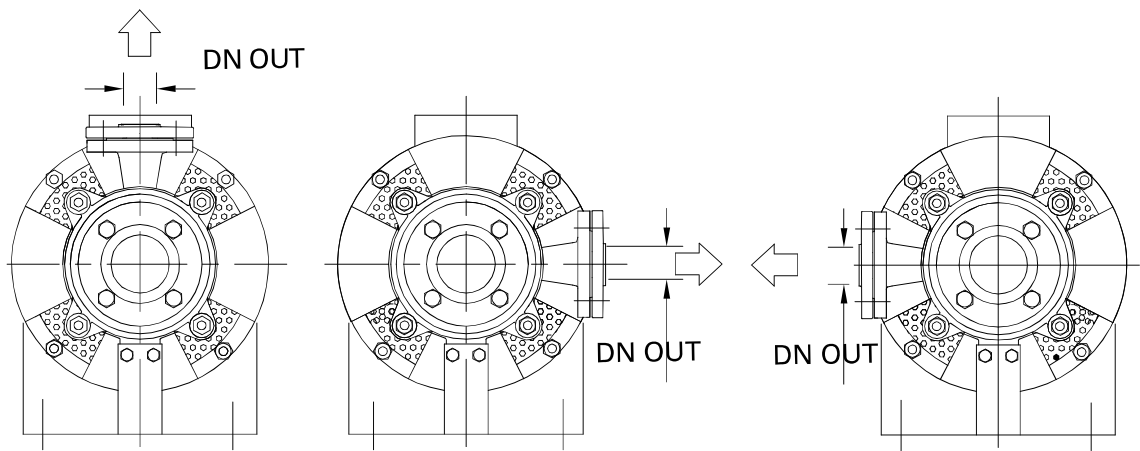
BMH-4BMH



STANDARD



Direction of nozzles

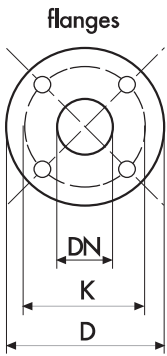


STANDARD

Pos. 01

Pos. 02

DIMENSIONS (mm)				
DN	D	K	holes	
			n°	ø
40	150	110	4	18
50	165	125	4	18
65	185	145	4	18
80	200	160	8	18



BMH ~2900 rpm

TYPE	DN IN	DN OUT	N. STAGE	DIMENSIONS (mm)													
				A	B	C	C1	C2	F	G	H1	H2	D4	I	L	M	
BMHA -3/5,5	(UNI PN 16) 65	(UNI PN 40) 40	3	604	256,5	922,5	545,5	377	300	425	245	420	70	1100	400	500	140,5
BMHA -4/7,5			4	655	307,5	973,5	596,5	377	300	425				1100	400	500	157
BMHA -5/9,2			5	706	358,5	1063,5	647,5	416	300	425				1100	400	500	173,5
BMHA -6/11			6	757	409,5	1114,5	698,5	416	300	425				1100	400	500	192,5
BMHA -8/15			8	859	511,5	1298,5	800,5	498	350	480				1400	500	500	259,5
BMHB -2/7,5	(UNI PN 16) 65	(UNI PN 40) 40	2	553	205,5	531,5	494,5	37	300	425	245	420	70	1100	400	500	137
BMHB -3R/9,2			3	604	256,5	961,5	545,5	416	300	425				1100	400	500	154
BMHB -3/11			3	604	256,5	961,5	545,5	416	300	425				1100	400	500	158
BMHB -4/15			4	655	307,5	1094,5	596,5	498	350	480				1400	500	500	220,5
BMHB -5/18,5			5	706	358,5	1188,5	647,5	541	350	480				1400	500	500	245
BMHB -6/22			6	757	409,5	1239,5	698,5	541	350	480				1400	500	500	265
BMHC -2R1/11	(UNI PN 16) 80	(UNI PN 40) 50	2	596	243	954	538	416	300	425	245	445	60	1100	400	500	165
BMHC -3R/15			3	656	303	1096	598	498	350	480				1100	400	500	231,5
BMHC -3/18,5			3	656	303	1139	598	541	350	480				1400	500	500	246,5
BMHC -4R1/22			4	716	363	1199	658	541	350	480				1400	500	500	270,5
BMHC -5/30			5	776	423	1286	718	568	350	495				1400	500	500	319
BMHC -6/37			6	836	483	1386	778	608	350	495				1400	500	500	358
BMHD -2/15	(UNI PN 10) 80	(UNI PN 40) 50	2	596	243	1036	538	498	350	480	245	445	60	1400	400	500	217
BMHD -3R/18,5			3	656	303	1139	598	541	350	480				1400	500	500	245
BMHD -3/22			3	656	303	1139	598	541	350	480				1400	500	500	255,5
BMHD -4/30			4	716	363	1226	658	568	350	495				1400	500	500	303
BMHD -5/37			5	776	423	1326	718	608	350	495				1400	500	500	340,5

4BMH ~1450 rpm

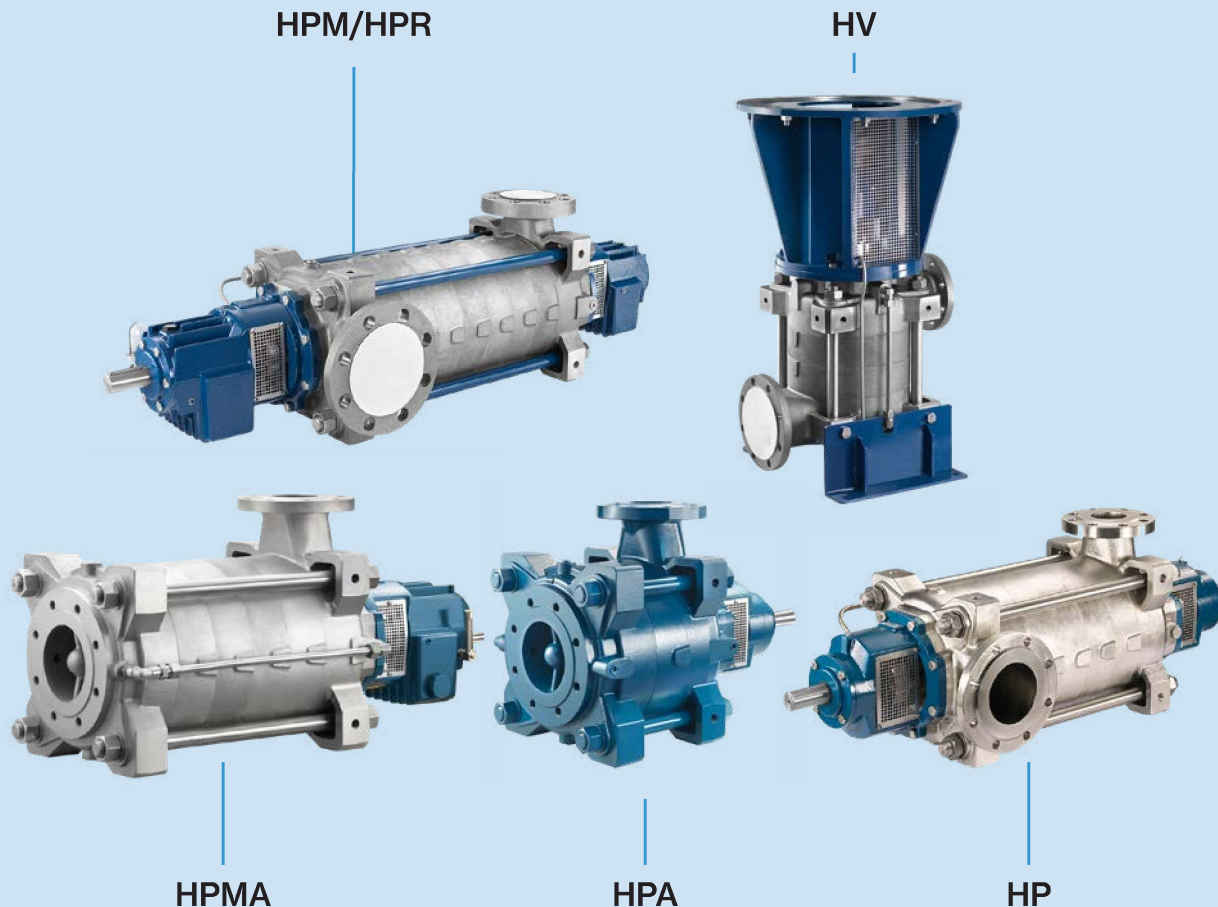
TYPE	DN IN	DN OUT	N. STAGE	DIMENSIONS (mm)													
				A	B	C	C1	C2	F	G	H1	H2	D4	I	L	M	
4BMHA -8/2,2	(UNI PN 16) 65	(UNI PN 40) 40	8	822	511,5	1079	763,5	315	250	415	245	420	70	1100	400	500	183
4BMHB -4/2,2			4	618	511,5	875	559,5	315	250	415				1100	400	500	136
4BMHB -5/2,2			5	670	307,5	926	610,5	315	250	415				1400	500	500	140
4BMHB -6/3			6	720	358,5	977	661,5	315	250	415				1400	500	500	171
4BMHB -8/4			8	720	409,5	1104	763,5	340	250	438				1400	500	500	200
4BMHC -3/2,2	(UNI PN 16) 80	(UNI PN 40) 50	3	620	303	876	561	315	250	415	245	445	60	1100	400	500	192
4BMHC -4/3			4	680	363	936	621	315	250	415				1100	400	500	194
4BMHC -5/4			5	740	423	1021	681	340	250	438				1100	400	500	202
4BMHC -6/5,5			6	800	483	1126	741	385	300	468				1400	500	500	206
4BMHD -2/2,2	(UNI PN 10) 80	(UNI PN 40) 50	2	560	243	816	501	315	250	415	245	445	60	1100	400	500	135
4BMHD -3/3			3	620	303	876	561	315	250	415				1100	400	500	167
4BMHD -4/4			4	680	363	961	621	340	250	438				1100	400	500	189
4BMHD -5/5,5			5	740	423	1066	681	385	300	468				1100	400	500	194
4BMHD -6/7,5			6	887	483	1166	741	425	300	468				1400	500	500	218

BMH-4BMH Serie-Mechanical seal and bearings

MECHANICAL SEAL	PUMP MODEL	SHAFT $\varnothing$		STANDARD MATERIAL	OPTIONAL
					4
	BMHA-3/5,5 BMHB-2/7,5 4BMHA-8/2,2 4BMHB-4/2,2 4BMHB-5/2,2 4BMHB-6/3 4BMHB-8/4	25mm	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Ceramic Graphite NBR	Widia Widia NBR
	BMHC-2R1/11 BMHD-2/15 4BMHC-3/2,2 4BMHC-4/3 4BMHC-5/4 4BMHC-6/5,5 4BMHD-2/2,2 4BMHD-3/3 4BMHD-4/4 4BMHD-5/5,5 4BMHD-6/7,5	35mm	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Ceramic Graphite NBR	Widia Widia NBR
	BMHA-4/7,5 BMHA-5/9,2 BMHA-6/11 BMHA-8/15 BMHB-3R/9,2 BMHB-3/11 BMHB-4/15 BMHB-5/18,5 BMHB-6/22	25mm / Balanced seal	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Widia Graphite NBR	Widia Widia NBR
	BMHC-3R/15 BMHC-3/18,5 BMHC-4R1/22 BMHC-5/30 BMHC-6/37 BMHD-3R/18,5 BMHD-3/22 BMHD-4/30 BMHD-5/37	35mm / Balanced seal	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Widia Graphite NBR	Widia Widia NBR

BEARINGS	PUMP MODEL	TYPE	
	4BMHA-8/2,2 4BMHB-4/2,2 4BMHB-5/2,2 4BMHC-3/2,2 4BMHD-2/2,2	6205-ZZ C3	6205-ZZ C3
	4BMHB-6/3 4BMHB-8/4 4BMHC-4/3 4BMHC-5/4 4BMHD-3/3 4BMVD-4/4	6206-ZZ C3	6206-ZZ C3
	BMHA-3/5,5-132S BMHA-4/7,5-132S BMHA-5/9,2-132M BMHA-6/11-132M BMHB-2/7,5-132S BMHB-3R/9,2-132M BMHB-3/11-132M BMHC-2R1/11-132M	6206-ZZ C3	6308-ZZ C3
	4BMHC-6/5,5-132S 4BMHD-5/5,5-132S 4BMHD-6/7,5-132S	6208-ZZ C3	6208-ZZ C3
	BMHA-8/15-160M BMHB-4/15-160M BMHB-5/18,5-160L BMHB-6/22-160L BMHC-3R/15-160M BMHC-3/18,5-160L BMHC-4R1/22-160L BMHD-2/15-160M BMHD-3R/18,5-160L BMHD-3/22-160L	6308-ZZ C3	6309-ZZ C3
	BMHC-5/30-180M BMHC-6/37-180L BMHD-4/30-180M BMHD-5/37-180L	6309-ZZ C3	3310-ZZ C3

HP SERIES



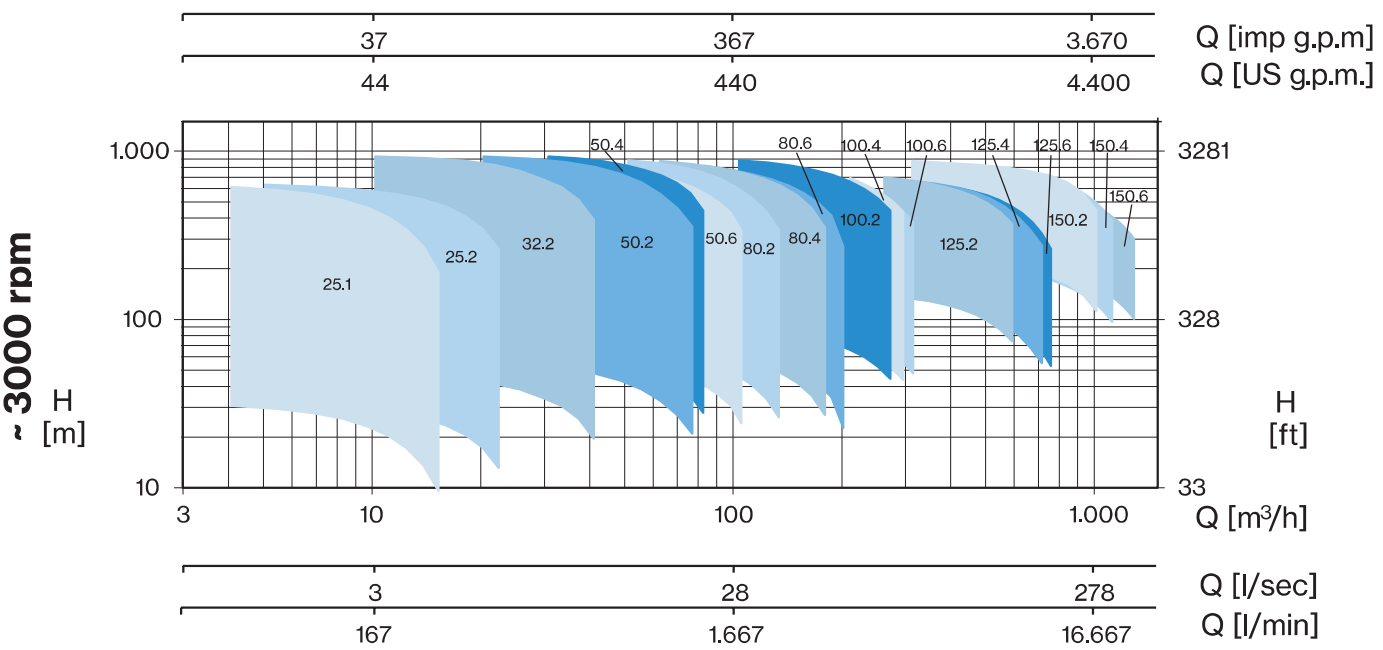
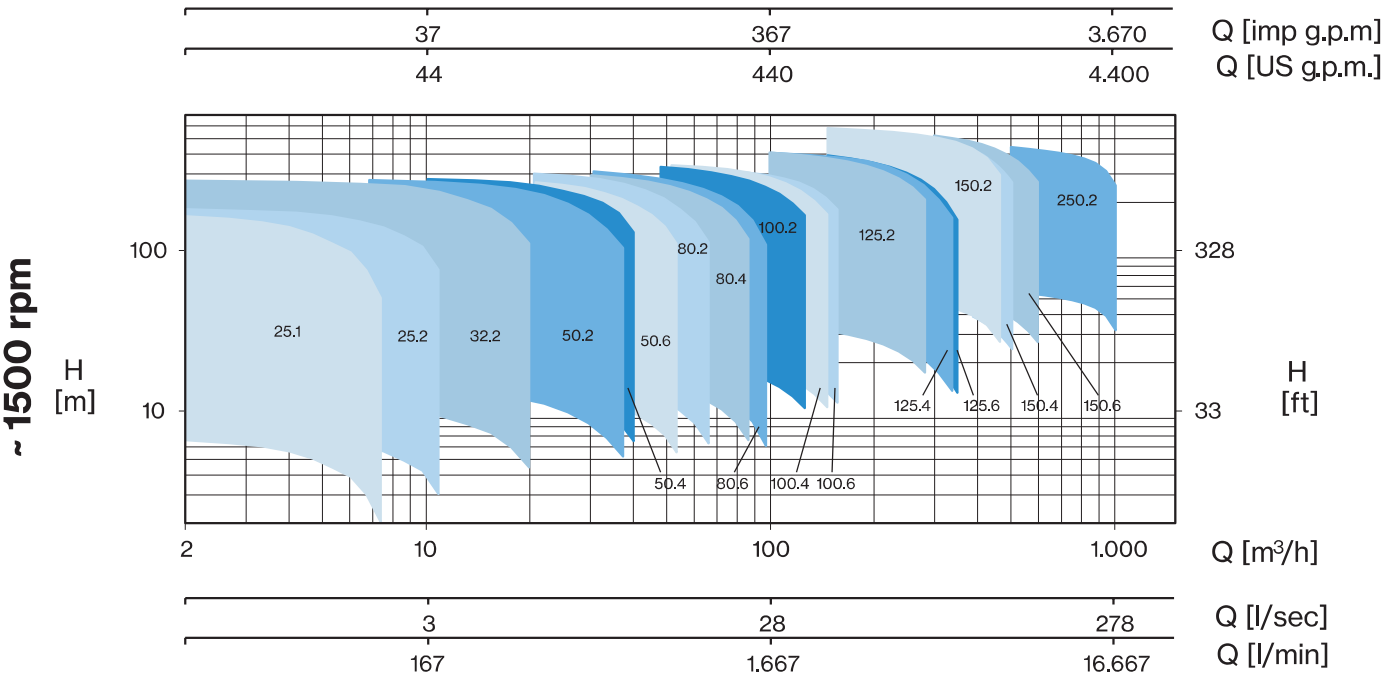
The multistage centrifugal pumps belonging to the HP series have a radial cross section, allowing an horizontal or vertical installation. The flanges of the suction and discharge ports are according to the EN or ANSI standards, these ports can operate radially and can be rotated 90°, in the HP, HPM and HPR models, or have an axial suction port for the HPA and HPMA models. This family of pumps is designed to operate in heavy duty conditions and with very high pressures (up to 100 Bar for the HPR versions) and with temperatures up to 180°C. The great choice of materials, the different kinds of sealing on the shaft and the various lubrication solutions for the pump's bearings, make this line very versatile and ideal for many uses in the industrial, energy and water processing fields.

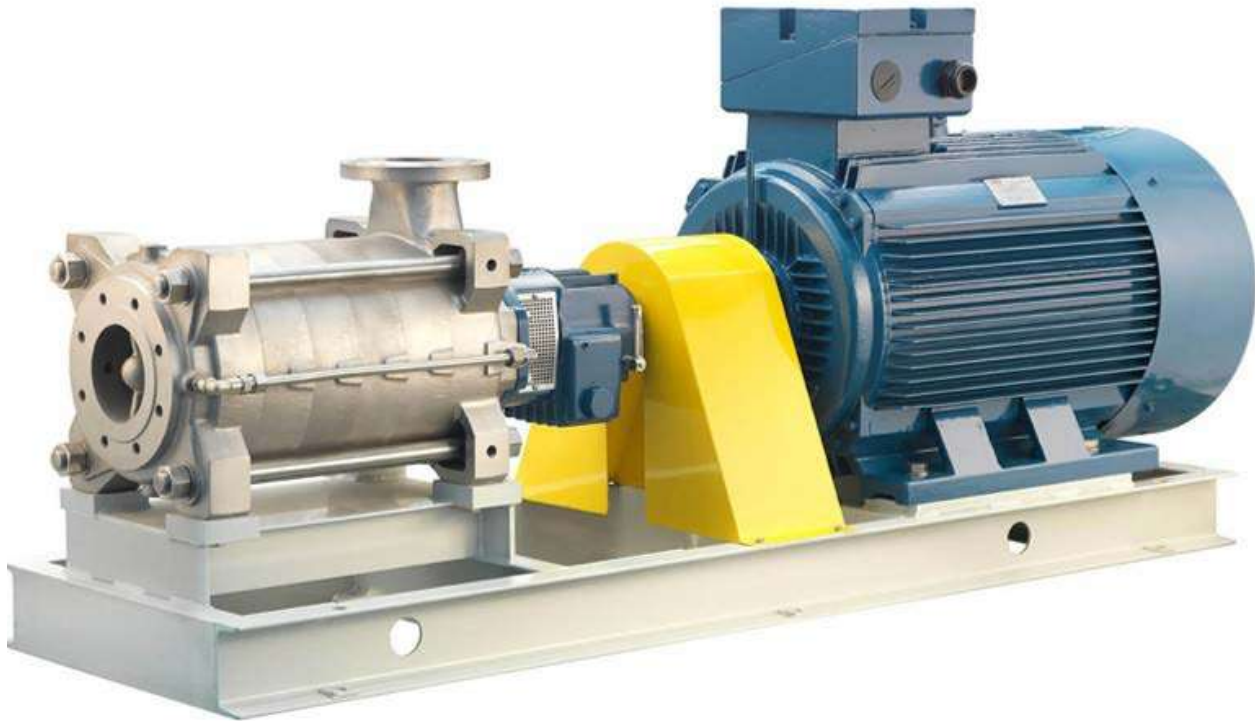
Applications:

- Boiler feeding
- Water desalination by Reverse Osmosis
- Geothermal plants
- Service installations in the petrochemical sector

HP SERIES

PERFORMANCE RANGE





Main characteristics

- Flow rates up to 1200 m³/h
- Pressure up to 1000 m
- High hydraulic efficiency, up to 80%
- Balancing drum, placed on the discharge casing, which effectively compensates the axial thrust produced by the impellers
- Versatile sealing system: which is available as packing, single Mechanical or Balanced Mechanical, other special types upon request
- The pumps' bearings are available with grease or oil lubrication in order to assure a long operating life
- Wear rings: they are available both fixed as well as rotating, in various materials, with hardening treatments

General function data

- Pressure up to 100 bar
- Temperatures from -20°C to +180°C
- Rotational speed up to 3600 rpm.
- Standard flanges: UNI/EN
- Suction port: DN 40-300 - PN 16-25
- Discharge port: DN 25-250 - PN 64-100
- Performance tolerances: ISO9906-3B

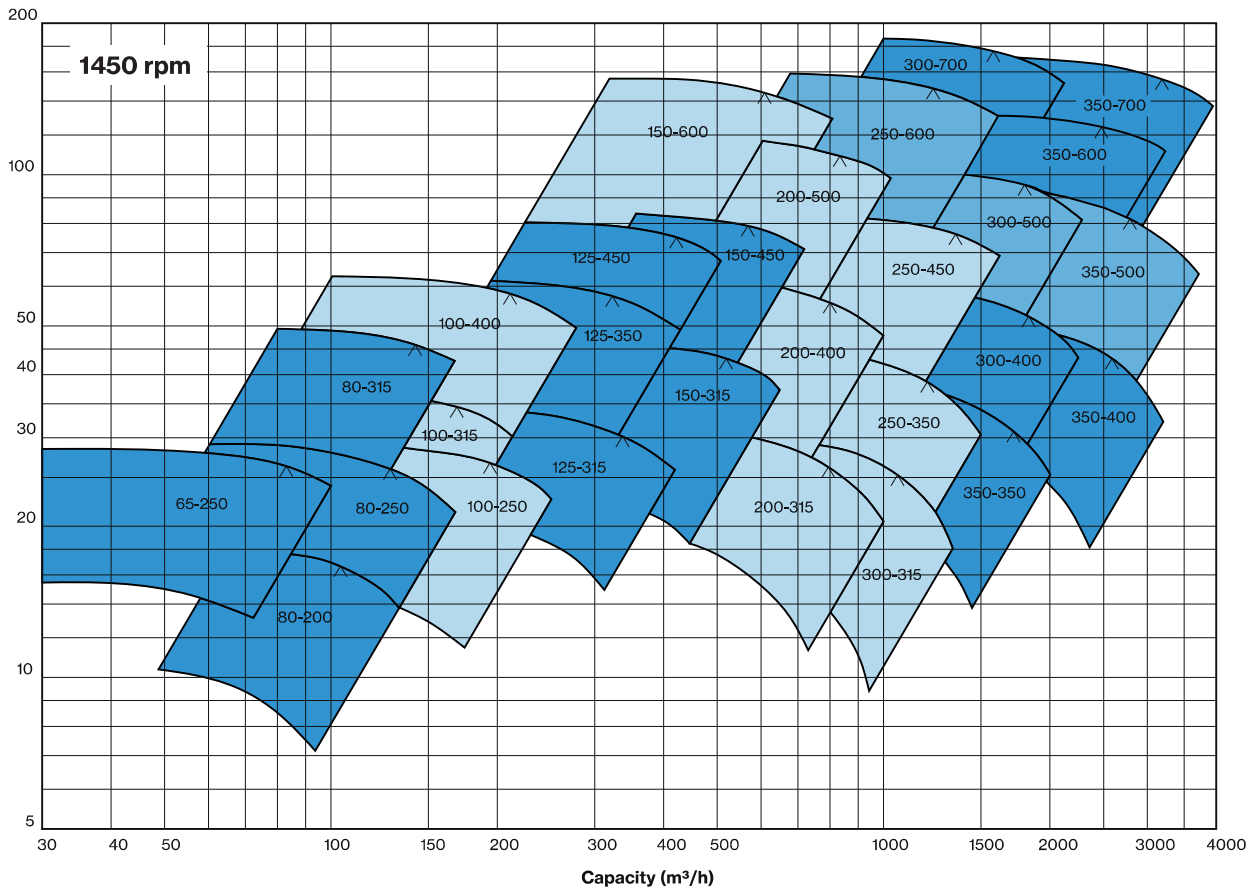
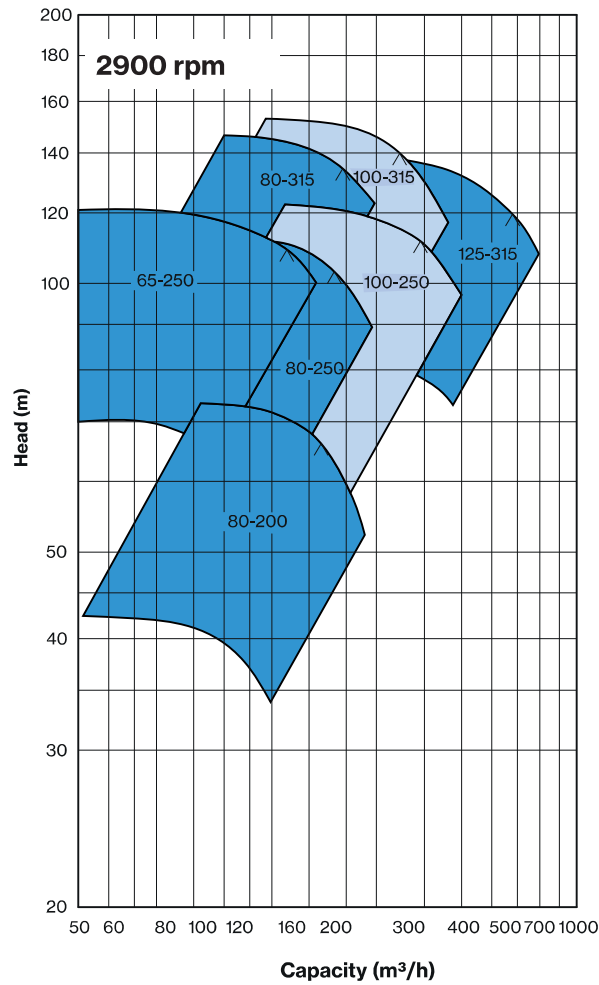


Horizontal axial split case single stage centrifugal pumps with in-line inlet and outlet. The double suction impeller design provides hydraulic balance to enhance bearing life span.

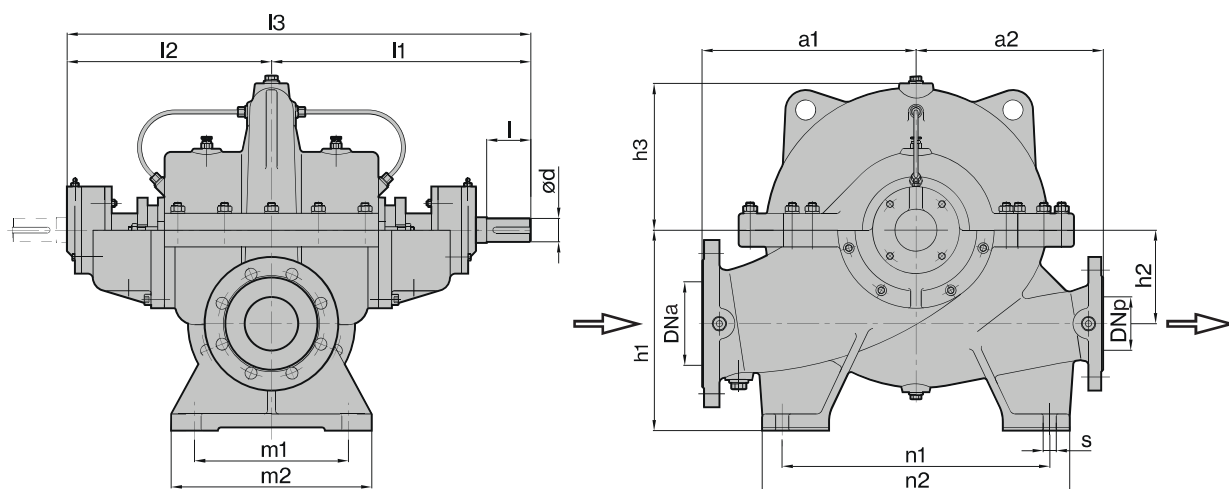
Construction features

Flow rate	up to 4000 m ³ /h
Pressure	up to 180 m
Temperature	from -10 °C to +110 °C
Rotation	1450 - 2900 rpm
Standard flanges	conform to EN 1092-2/ PN 16 or PN 25
Discharge port	DN65-350 PN 16-25
Bearing lubrication	grease
Sealing	gland packing; also available with mechanical seal
Impeller, casing and wear rings	cast iron, also available in bronze or stainless steel
Performance tolerance	ISO 9906-3B





PSC



TYPE	DIMENSIONS (mm)																			Kg
	PN _a	PN _p	DN _a	DN _p	ϕd	l	l ₁	l ₂	l ₃	a ₁	a ₂	h ₁	h ₂	h ₃	n ₁	n ₂	m ₁	m ₂	s	
65-250	16	16	100	65	35	80	400	310	710	320	280	300	140	200	400	460	230	300	20	165
80-200	16	16	125	80	35	80	400	310	710	320	280	300	140	200	400	460	230	300	20	165
80-250	16	16	125	80	35	80	400	310	710	320	280	300	140	200	400	460	230	300	20	175
80-315	16	16	125	80	35	80	400	310	710	360	300	300	140	260	400	460	230	300	20	197
100-250	16	16	150	100	42	90	450	350	800	360	310	355	170	235	400	480	280	340	20	220
100-315	16	16	150	100	42	90	450	350	800	360	310	355	170	250	400	480	280	340	20	230
100-400	16	16	150	100	42	90	450	350	800	420	370	355	170	300	460	540	280	340	20	290
125-315	16	16	200	125	55	120	555	420	975	420	370	400	200	280	460	540	320	380	22	330
125-350	16	16	200	125	55	120	555	420	975	470	450	400	200	300	540	660	320	380	22	380
125-450	16	16	200	125	55	120	555	420	975	500	450	400	200	350	540	640	320	380	22	410
150-315	16	16	200	150	55	120	555	420	975	470	400	400	200	310	540	640	320	380	22	395
150-450	16	16	200	150	55	120	555	420	975	500	450	400	200	365	540	640	320	380	22	430
150-600	25	25	250	150	65	130	645	500	1145	550	500	560	300	445	540	640	360	420	22	800
200-315	16	16	250	200	65	130	645	500	1145	500	450	500	240	315	540	640	360	420	22	570
200-400	16	16	250	200	65	130	645	500	1145	500	450	500	240	360	540	640	360	420	22	575
200-500	16	16	250	200	65	130	645	500	1145	550	500	560	300	380	620	720	360	420	22	700
250-350	16	16	300	250	65	130	645	500	1145	600	500	600	300	390	620	720	360	420	22	682
250-450	16	16	300	250	65	130	645	500	1145	600	500	600	300	415	620	720	360	420	22	780
250-600	25	25	300	250	80	170	720	540	1260	650	550	600	300	430	620	710	415	485	26	1190
300-315	16	16	350	300	65	130	645	500	1145	600	500	630	300	400	620	700	360	420	22	700
300-400	16	16	400	300	75	140	770	615	1385	700	550	710	350	450	720	800	420	520	26	1125
300-500	16	16	400	300	85	170	755	585	1340	700	750	710	350	425	700	800	420	520	26	1500
300-700	25	25	400	300	100	180	865	675	1540	750	800	710	350	470	720	880	420	520	26	1650
350-350	16	16	400	350	75	140	770	615	1385	700	550	670	350	450	720	800	420	520	26	1100
350-400	16	16	500	350	75	140	770	615	1385	800	600	800	380	500	800	960	500	600	26	1400
350-500	16	16	500	350	80	170	755	585	1340	800	600	800	400	435	740	900	500	600	26	1435
350-600	25	25	500	350	80	170	825	650	1475	800	600	800	400	510	800	900	500	600	26	1435
350-700	25	25	500	350	100	180	865	675	1540	850	750	850	450	525	720	880	500	600	26	2000

VP SERIES

VP



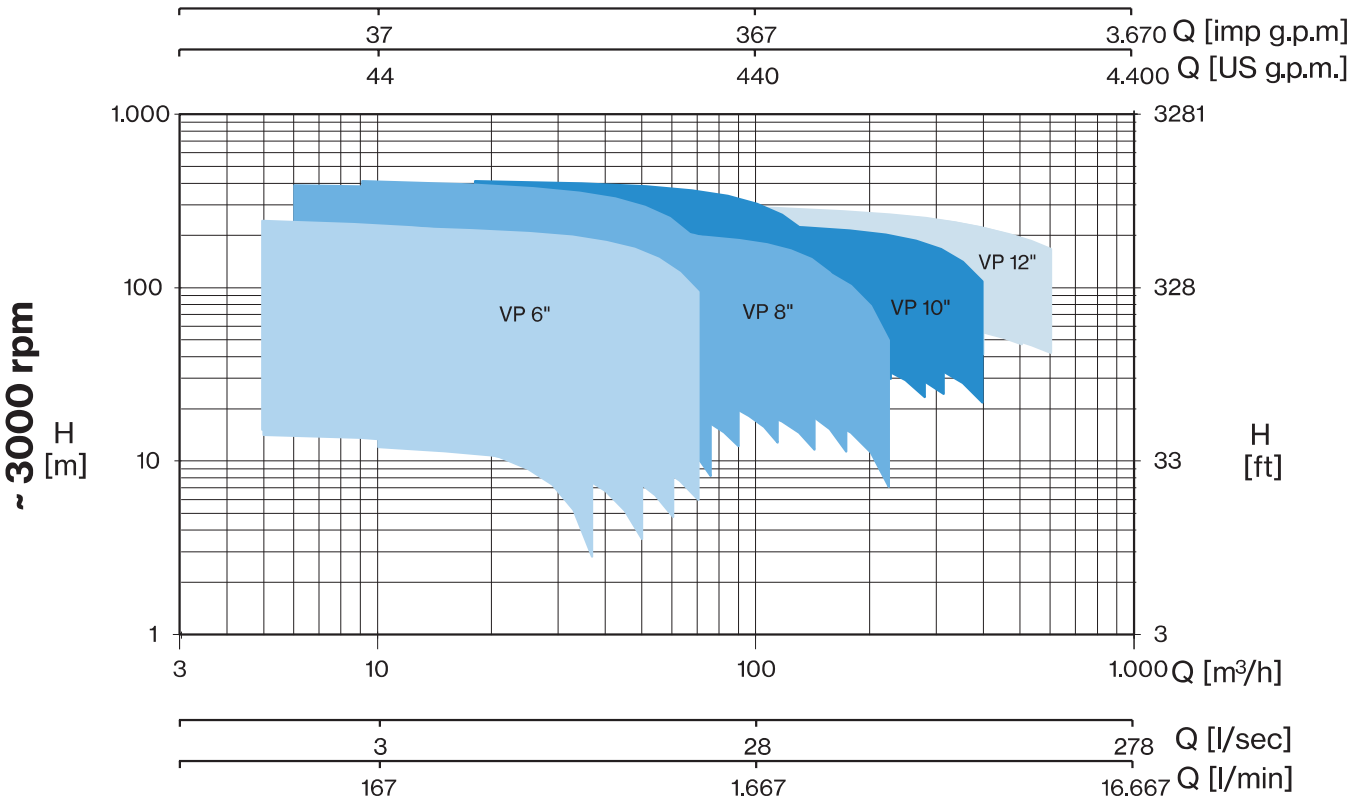
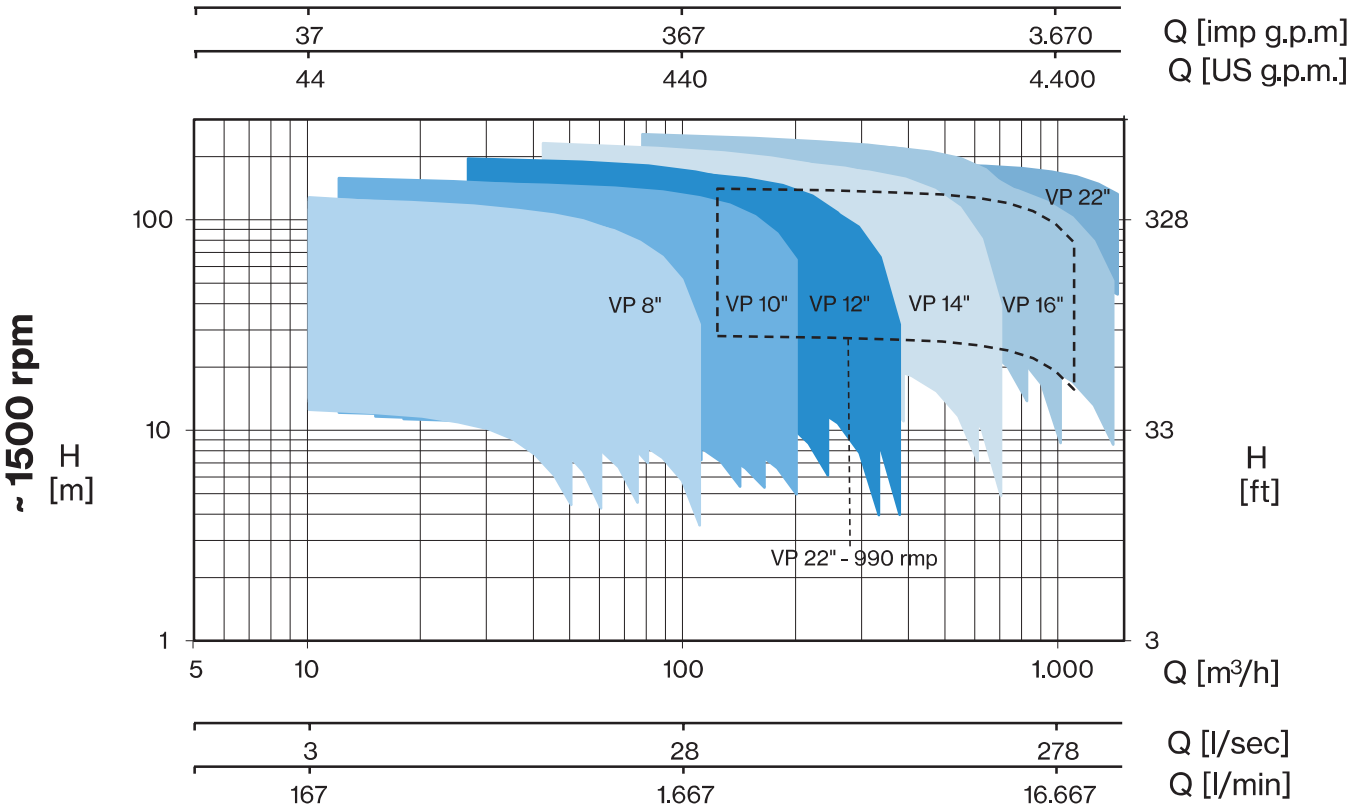
Vertical lineshaft pumps with submerged pump bowl specifically developed for the industrial sectors, irrigation, waterworks and fire-fighting systems. Extremely versatile for the use in areas not served by electricity, as emergency or back-up units. Available in different materials and versions with drive head and electric motor or gear box for diesel engine.

Applications:

- Pumping units for fire-fighting systems
 - Aqueducts
 - Condensate extraction in power plants
 - Geothermal plants
 - Water treatment on Reverse Osmosis plants
-

VP SERIES

PERFORMANCE RANGE



Main characteristics

- Capacity up to 1.600 m³/h
- Pressure up to 400 m
- High hydraulic efficiency, up to 82%
- Thrust bearing (grease or oil with optional external cooling) for use of standard motors
- Axis lines with tapered joints for reliable and durable connection of the shaft
- Special bushings resistant to the wear of abrasive liquids and temperatures up to 140°C
- Control unit for electric motor, transmission angle on request
- AISI 420 stainless steel shaft for standard versions
- The pump part of VPL models is produced in the standard execution in AISI 304 stainless steel
- The pump part of VP models is produced in the standard execution in cast iron



Technical operational specifics for standard versions

- All the hydraulic performance values below are guaranteed in accordance with standard ISO 9906-Grade 3B
- The allowable content of solids in the pumped liquid is 100 g/m³
- All the components wetted with liquid are available in various types of steel and bronze alloy

