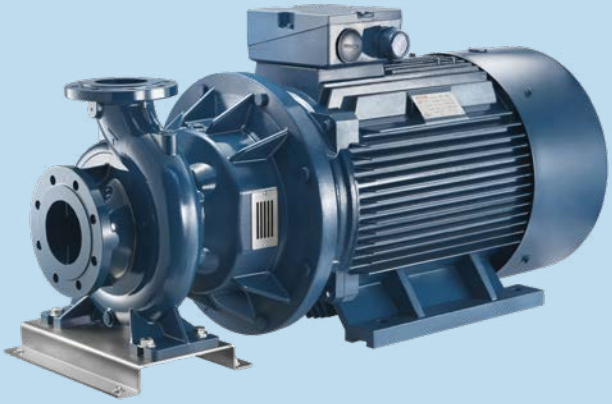
CMG-CMGX ~ 3500 rpm

Centrifugal Flanged EN 733



Monobloc horizontal centrifugal pumps, constructed in compliance with EN 733 standards, with stub-shaft and bracket for coupling to standard motors; widely used in water supplies, pressurisation and fire-fighting systems; standard supply with counter-flange.

Construction features	
Pump body	cast iron (CMG); stailess steel AISI 316 (CMGX)
Motor bracket	cast iron
Impeller	cast iron, bronze, steel (CMG); steel (CMGX)
Seal type	mechanical
Pump shaft end	stainless steel AISI 316
Liquid temperature	-10 ÷ +90 °C
Operating pressure	max 10 bar

Motor	
2 Poles induction motor	3~ 220/380V - 60Hz
Insulation class	F
Protection degree	IPX5

CMGX 80-250 A -X -2E -WF

- pump type: CMGX 80-250 A
- pump body material: (blank) cast iron; X AISI 316
- impeller material: (blank) as same as the pump body; B bronze; X AISI 316
- mech. seal and O-rings: (blank) standard; E EPDM; V FKM; 2E SiC-SiC-EPDM; 2V SiC-SiC-FKM
- counter flange: (blank) with; WF without

CM-CMG-CA-4CA

Centrifugal Flanged EN 733

CM: Front suction close-coupled centrifugal pumps with close impeller mounted on IE3 motor shaft extension. Pump casing with axial suction and radial delivery on top, main dimensions and performance according to EN 733.

CMG-CMGX: Front suction centrifugal pumps connected to IE3 standard motor (stub-shaft construction). Pump casing with axial suction and radial delivery on top, main dimensions and performance according to EN 733.

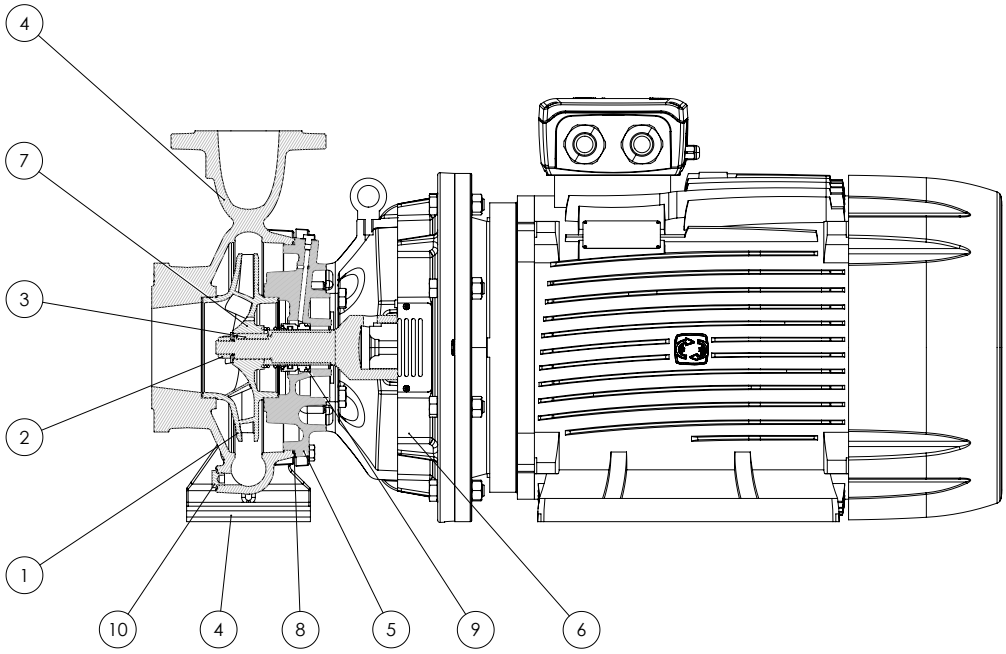
CA-CAX-4CA-4CAX: Single-stage end-suction centrifugal frame-mounted pumps. Dimensions in accordance with EN 733.

TYPE	2 POLES							4 POLES			
	CM	CMG	CMGX	CA	CAT CAX CATX	Flow rate	Head	4CA 4CAT	4CAX 4CATX	Flow rate	Head
						m³/h	m			m³/h	m
32-160C	■	-	-	■	■	6 ÷ 21	22,8 ÷ 14	■	■	1,5 ÷ 12	5,9 ÷ 2,6
32-160B	■	-	-	■	■	6 ÷ 24	27,7 ÷ 17	■	■	1,5 ÷ 12	7,2 ÷ 3,6
32-160A	■	-	-	■	■	6 ÷ 27	36,2 ÷ 22,1	■	■	1,5 ÷ 15	8,8 ÷ 4
32-200C	■	-	-	■	■	6 ÷ 27	40,3 ÷ 28,7	■	■	3 ÷ 18	10,8 ÷ 4,2
32-200B1	■	-	-	-	-	6 ÷ 27	48 ÷ 37,9	-	-	-	-
32-200B	■	-	-	■	■	6 ÷ 30	48 ÷ 35,4	■	■	3 ÷ 18	12,7 ÷ 6,3
32-200A1	■	-	-	-	-	6 ÷ 30	58,3 ÷ 46,6	-	-	-	-
32-200A	■	-	-	■	■	6 ÷ 33	58,3 ÷ 44,3	■	■	3 ÷ 21	15,7 ÷ 6,8
32-250C	■	-	-	■	■	6 ÷ 27	72 ÷ 61,3	■	■	3 ÷ 21	17,2 ÷ 6,5
32-250B	■	-	-	■	■	7,5 ÷ 27	84 ÷ 73,2	■	■	3 ÷ 21	20 ÷ 8,3
32-250A1	■	-	-	-	-	7,5 ÷ 27	93,6 ÷ 85,3	-	-	-	-
32-250A	■	-	-	■	■	7,5 ÷ 27	93,6 ÷ 85,5	■	■	3 ÷ 21	22,2 ÷ 9,1
40-125C	■	-	-	■	■	9 ÷ 36	18,5 ÷ 9,4	■	■	4,5 ÷ 21	4,4 ÷ 2
40-125B	■	-	-	■	■	9 ÷ 39	23,4 ÷ 13,2	■	■	4,5 ÷ 21	5,5 ÷ 3,3
40-125A	■	-	-	■	■	9 ÷ 42	27,6 ÷ 16,8	■	■	4,5 ÷ 24	6,3 ÷ 3,4
40-160B	■	-	-	■	■	9 ÷ 36	29,2 ÷ 20,5	■	■	4,5 ÷ 24	7,5 ÷ 2,5
40-160A	■	-	-	■	■	9 ÷ 42	34,9 ÷ 23,4	■	■	4,5 ÷ 24	8,9 ÷ 4,5
40-160AP	■	-	-	■	■	9 ÷ 48	39,8 ÷ 25,3	■	■	4,5 ÷ 24	11,1 ÷ 6,8
40-200B1	■	-	-	-	-	9 ÷ 39	45,5 ÷ 32,3	-	-	-	-
40-200B	■	-	-	■	■	9 ÷ 42	45,5 ÷ 29,4	■	■	6 ÷ 24	11,4 ÷ 4,7
40-200A1	■	-	-	-	-	9 ÷ 39	56,5 ÷ 44,4	-	-	-	-
40-200A	■	-	-	■	■	9 ÷ 42	56,5 ÷ 41,6	■	■	6 ÷ 24	13,9 ÷ 8,3
40-200AP	■	-	-	■	■	9 ÷ 45	61,4 ÷ 42,2	■	■	6 ÷ 24	14,9 ÷ 9,4
40-250C	■	-	-	■	■	9 ÷ 36	64,4 ÷ 55,4	■	■	9 ÷ 27	15,2 ÷ 6,6
40-250B	■	-	-	■	■	9 ÷ 39	79,9 ÷ 62,1	■	■	9 ÷ 30	18,2 ÷ 8,3
40-250A1	■	-	-	-	-	9 ÷ 42	84,6 ÷ 72,8	-	-	-	-
40-250A	■	-	-	■	■	9 ÷ 45	84,6 ÷ 69	■	■	9 ÷ 33	20,8 ÷ 8,4
40-250BM	■	-	-	■	■	9 ÷ 54	93,2 ÷ 72	-	-	-	-
40-250AM	■	-	-	■	■	9 ÷ 60	103 ÷ 77,5	-	-	-	-
50-125B	■	-	-	■	■	12 ÷ 72	20,6 ÷ 9,2	■	■	9 ÷ 42	5,5 ÷ 2,1
50-125A	■	-	-	■	■	12 ÷ 72	24,3 ÷ 14,2	■	■	9 ÷ 45	6,4 ÷ 2,9
50-160B1	■	-	-	-	-	21 ÷ 66	33,5 ÷ 21,5	-	-	-	-
50-160B	■	-	-	■	■	21 ÷ 72	33,5 ÷ 18,9	■	■	9 ÷ 42	8 ÷ 2,3
50-160A1	■	-	-	-	-	21 ÷ 72	39,8 ÷ 27,6	-	-	-	-
50-160A	■	-	-	■	■	21 ÷ 78	39,8 ÷ 25,4	■	■	9 ÷ 48	9,4 ÷ 3,1
50-200C	■	-	-	■	■	24 ÷ 72	49,7 ÷ 28,9	■	■	9 ÷ 39	12 ÷ 3,2
50-200B	■	-	-	■	■	24 ÷ 72	54,6 ÷ 35	■	■	10,5 ÷ 42	13,1 ÷ 4,2
50-200A1	■	-	-	-	-	24 ÷ 78	61,8 ÷ 39,8	-	-	-	-

TYPE	2 POLES							4 POLES			
	CM	CMG	CMGX	CA	CAT CAX CATX	Flow rate	Head	4CA 4CAT	4CAX 4CATX	Flow rate	Head
						m³/h	m			m³/h	m
50-200A	■	-	-	■	■	24 ÷ 78	61,8 ÷ 39,8	■	■	10,5 ÷ 45	14,7 ÷ 4,6
50-250C1	■	-	-	-	-	27 ÷ 60	68,2 ÷ 56,2	-	-	-	-
50-250C	■	-	-	■	■	27 ÷ 66	68,2 ÷ 52,1	■	■	12 ÷ 45	17,7 ÷ 7,5
50-250B	■	-	-	■	■	27 ÷ 72	78,4 ÷ 58,5	■	■	12 ÷ 48	20 ÷ 8,2
50-250A	■	-	-	■	■	27 ÷ 78	88,3 ÷ 61,8	■	■	12 ÷ 54	22,9 ÷ 8,4
50-315DN	-	-	-	■	-	42 ÷ 132	90,4 ÷ 73,4	-	-	-	-
50-315C	-	-	-	-	-	-	-	■	■	18 ÷ 84	24,7 ÷ 16,8
50-315CN	-	-	-	■	-	42 ÷ 132	105 ÷ 88,7	-	-	-	-
50-315B	-	-	-	-	-	-	-	■	■	18 - 90	31,4 - 21,6
50-315BN	-	-	-	■	-	42 ÷ 144	124,3 ÷ 103,5	-	-	-	-
50-315A	-	-	-	-	-	-	-	■	■	18 - 96	37,2 - 25,1
50-315AN	-	-	-	■	-	42 ÷ 144	146,9 ÷ 125,8	-	-	-	-
65-125B1	■	-	-	-	-	30 ÷ 108	20,6 ÷ 15	-	-	-	-
65-125B	■	-	-	■	■	30 ÷ 120	20,6 ÷ 13,1	■	■	18 ÷ 60	5,1 ÷ 2,8
65-125A1	■	-	-	-	-	30 ÷ 120	25,2 ÷ 18,8	-	-	-	-
65-125A	■	-	-	■	■	30 ÷ 132	25,2 ÷ 16,8	■	■	18 ÷ 72	6,3 ÷ 3
65-160C	■	-	-	■	■	42 ÷ 144	30,6 ÷ 13,9	■	■	24 ÷ 78	7,6 ÷ 2,9
65-160B	■	-	-	■	■	42 ÷ 144	35,1 ÷ 20,4	■	■	24 ÷ 78	8,6 ÷ 3,6
65-160A1	■	-	-	-	-	42 ÷ 138	42,5 ÷ 31,7	-	-	-	-
65-160A	■	-	-	■	■	42 ÷ 144	42,5 ÷ 30,9	■	■	24 ÷ 84	9,9 ÷ 4,6
65-200C1	■	-	-	-	-	54 ÷ 132	46,1 ÷ 28,9	-	-	-	-
65-200C	■	-	-	■	■	54 ÷ 138	46,1 ÷ 26,8	■	■	27 ÷ 84	11,6 ÷ 5
65-200B	■	-	-	■	■	54 ÷ 144	53,9 ÷ 34,6	■	■	27 ÷ 84	13,1 ÷ 7
65-200A	■	-	-	■	■	54 ÷ 144	61,8 ÷ 44,4	■	■	27 ÷ 84	14,8 ÷ 9,3
65-250B	■	-	-	■	■	54 ÷ 144	80,6 ÷ 47,3	■	■	27 ÷ 84	21 ÷ 8,7
65-250A	■	-	-	■	■	54 ÷ 150	91,6 ÷ 57,9	■	■	30 ÷ 90	22,9 ÷ 8,8
65-315CM	-	-	-	-	-	-	-	■	■	27 ÷ 126	23,5 ÷ 13,9
65-315CN	-	-	-	■	-	54 ÷ 180	96,5 ÷ 80,8	-	-	-	-
65-315BM	-	-	-	-	-	-	-	■	■	27 ÷ 132	28,9 ÷ 17,2
65-315BN	-	-	-	■	-	54 ÷ 195	117,9 ÷ 96,3	-	-	-	-
65-315AM	-	-	-	-	-	-	-	■	■	27 ÷ 138	34 ÷ 18,2
65-315AN	-	-	-	■	-	54 ÷ 210	138,8 ÷ 110,4	-	-	-	-
80-160E	■	-	-	■	■	66 ÷ 168	22,9 ÷ 13,7	■	■	24 ÷ 96	5,7 ÷ 2,2
80-160D	■	-	-	■	■	66 ÷ 180	27,3 ÷ 16,4	■	■	27 ÷ 102	6,8 ÷ 2,6
80-160C1	■	-	-	-	-	66 ÷ 195	30,9 ÷ 18,4	-	-	-	-
80-160C	■	-	-	■	■	66 ÷ 195	30,9 ÷ 18,4	■	■	30 ÷ 108	7,4 ÷ 3,1
80-160B	■	-	-	■	■	66 ÷ 210	35,9 ÷ 22	■	■	33 ÷ 120	8,9 ÷ 3,5
80-160A	■	-	-	■	■	66 ÷ 225	40,5 ÷ 23,9	■	■	36 ÷ 132	9,8 ÷ 3,8
80-200B	■	-	-	■	■	72 ÷ 225	54,5 ÷ 38,5	■	■	42 ÷ 132	13,1 ÷ 7,1
80-200A	■	-	-	■	■	72 ÷ 240	61,7 ÷ 43,9	■	■	42 ÷ 144	14,7 ÷ 7,5
80-250B	-	■	■	■	■	96 ÷ 225	80 ÷ 58,8	■	■	42 ÷ 132	19,2 ÷ 11,1
80-250A	-	■	■	■	■	96 ÷ 240	92,8 ÷ 65,2	■	■	42 ÷ 144	22,9 ÷ 12,6
80-315B	-	-	-	-	-	-	-	■	■	42 ÷ 150	28,3 ÷ 19,9
80-315A	-	-	-	-	-	-	-	■	■	42 ÷ 168	35 ÷ 23,7
100-160B	■	-	-	-	-	96 ÷ 330	40,7 ÷ 25,7	-	-	-	-
100-160A	■	-	-	-	-	96 ÷ 330	45,1 ÷ 31,9	-	-	-	-
100-200D	-	-	-	■	■	108 ÷ 300	43,1 ÷ 26,6	■	■	48 ÷ 168	10,8 ÷ 4,8
100-200C	-	-	-	■	■	108 ÷ 330	48,4 ÷ 28,1	■	■	48 ÷ 168	12 ÷ 6,3
100-200B	-	■	■	■	■	108 ÷ 330	56,8 ÷ 39,7	■	■	48 ÷ 180	13,6 ÷ 7,8
100-200A	-	■	■	■	■	108 ÷ 360	62,2 ÷ 42,5	■	■	48 ÷ 192	15,4 ÷ 9,1
100-250E	-	-	-	-	-	-	-	■	■	60 ÷ 180	16,9 ÷ 11,4
100-250D	-	-	-	-	-	-	-	■	■	60 ÷ 192	19,6 ÷ 12,7
100-250C	-	■	■	■	■	120 ÷ 300	73,2 ÷ 61	-	-	-	-
100-250B	-	■	■	■	■	120 ÷ 330	83,7 ÷ 67,6	-	-	-	-

TYPE	2 POLES							4 POLES			
	CM	CMG	CMGX	CA	CAT CAX CATX	Flow rate	Head	4CA 4CAT	4CAX 4CATX	Flow rate	Head
						m³/h	m			m³/h	m
100-250A	-	■	■	■	■	120 ÷ 360	93,9 ÷ 73,2	■	■	60 ÷ 204	22,3 ÷ 13,8
100-315B	-	-	-	-	-	-	-	■	■	72 ÷ 216	31,4 ÷ 17,9
100-315A	-	-	-	-	-	-	-	■	■	72 ÷ 216	36,5 ÷ 23,1
100-400C	-	-	-	-	-	-	-	■	■	84 ÷ 228	40,6 ÷ 25,8
100-400B	-	-	-	-	-	-	-	■	■	84 ÷ 240	48,7 ÷ 31,6
100-400A	-	-	-	-	-	-	-	■	■	84 ÷ 252	56 ÷ 36,7
125-250B	-	-	-	-	-	-	-	■	■	102 ÷ 252	20,2 ÷ 11,1
125-250A	-	-	-	-	-	-	-	■	■	102 ÷ 276	24 ÷ 14,7
125-315C	-	-	-	-	-	-	-	■	■	120 ÷ 348	25,8 ÷ 15,7
125-315B	-	-	-	-	-	-	-	■	■	120 ÷ 372	33 ÷ 22,2
125-315A	-	-	-	-	-	-	-	■	■	120 ÷ 372	39,6 ÷ 28,2
125-400C	-	-	-	-	-	-	-	■	■	120 ÷ 372	47,6 ÷ 33,8
125-400B	-	-	-	-	-	-	-	■	■	120 ÷ 396	54,5 ÷ 39,1
125-400A	-	-	-	-	-	-	-	■	■	120 ÷ 396	59,5 ÷ 45
150-315D	-	-	-	-	-	-	-	■	■	144 ÷ 444	28,3 ÷ 19,6
150-315C	-	-	-	-	-	-	-	■	■	144 ÷ 492	32,2 ÷ 21,8
150-315B	-	-	-	-	-	-	-	■	■	144 ÷ 540	36,3 ÷ 23,6
150-315A	-	-	-	-	-	-	-	■	■	144 ÷ 564	41 ÷ 27,2
150-400C	-	-	-	-	-	-	-	■	■	168 ÷ 564	47,8 ÷ 28,7
150-400B	-	-	-	-	-	-	-	■	■	168 ÷ 588	54,4 ÷ 34,3
150-400A	-	-	-	-	-	-	-	■	■	168 ÷ 612	60,3 ÷ 39,8
Not envisaged in the EN 733 standard											
200-315D	-	-	-	-	-	-	-	■	■	200 ÷ 800	21,7 ÷ 12,5
200-315C	-	-	-	-	-	-	-	■	■	200 ÷ 850	26,6 ÷ 14,6
200-315B	-	-	-	-	-	-	-	■	■	200 ÷ 900	33,4 ÷ 16,7
200-315A	-	-	-	-	-	-	-	■	■	200 ÷ 900	35,9 ÷ 19,8
200-400C	-	-	-	-	-	-	-	■	■	200 ÷ 800	44,1 ÷ 31,5
200-400B	-	-	-	-	-	-	-	■	■	200 ÷ 850	50,8 ÷ 36,6
200-400A	-	-	-	-	-	-	-	■	■	200 ÷ 900	58,5 ÷ 44
250-315C	-	-	-	-	-	-	-	■	■	250 ÷ 1100	25,5 ÷ 16,8
250-315B	-	-	-	-	-	-	-	■	■	250 ÷ 1170	33 ÷ 19
250-315A	-	-	-	-	-	-	-	■	■	250 ÷ 1200	35 ÷ 20
250-400D	-	-	-	-	-	-	-	■	■	250 ÷ 1300	39,9 ÷ 24,3
250-400C	-	-	-	-	-	-	-	■	■	250 ÷ 1400	45,8 ÷ 27,4
250-400B	-	-	-	-	-	-	-	■	■	250 ÷ 1500	51,7 ÷ 30,3
250-400A	-	-	-	-	-	-	-	■	■	250 ÷ 1600	57,4 ÷ 31,7

CMG Series
Models list and materials



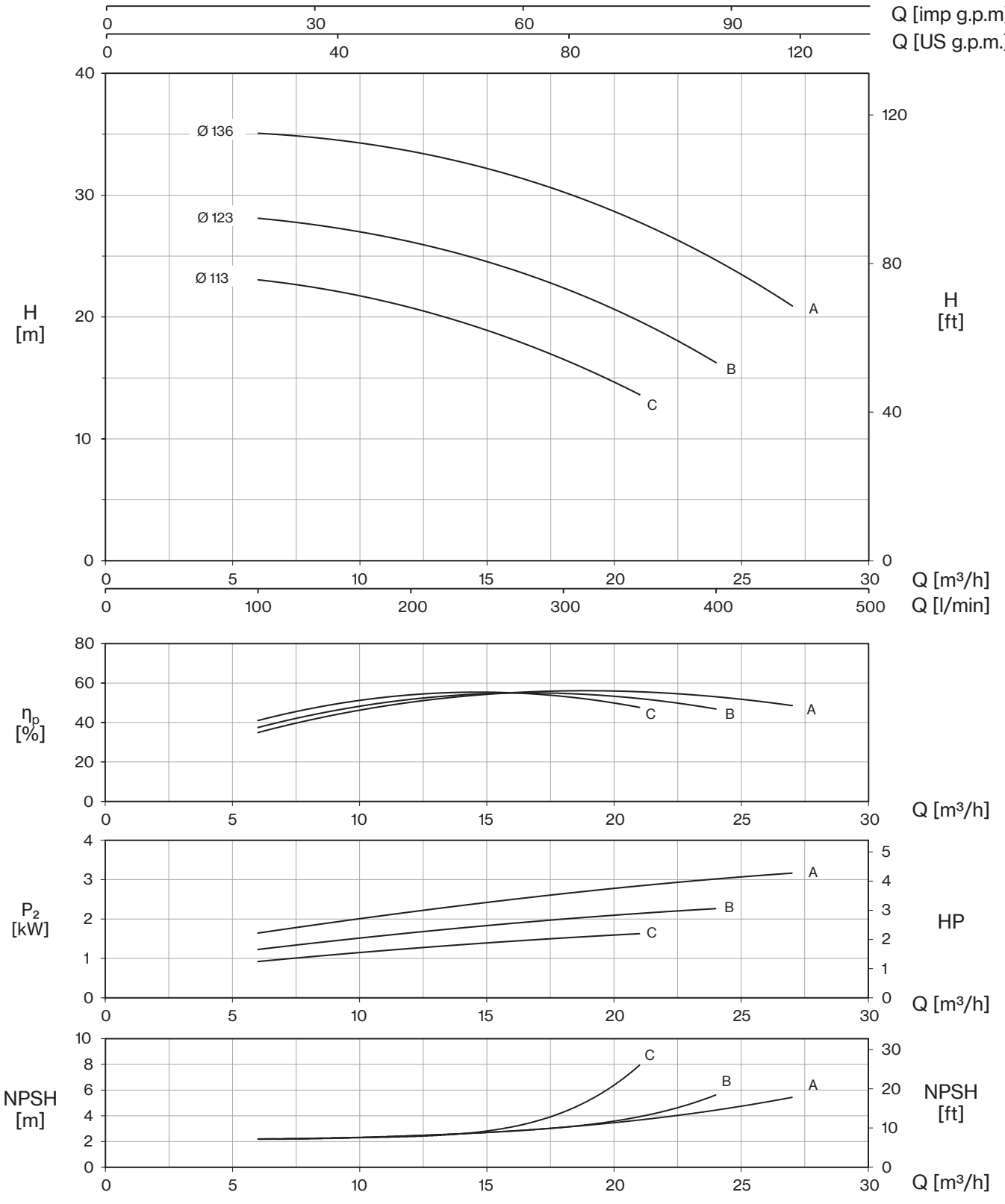
POS. N.	DENOMINATION	VERSION	MATERIAL	REFERENCE STANDARDS	
				EUROPE	USA
1	**Impeller**	Standard	Cast iron G20	GJL-200 (JL1030)	ASTM Class 30
		B	Bronze	CuSn10-C (CC480K)	UNS C90700
		X	Stainless steel	X5CrNiMo17-12-2/ 1.4401	AISI 316
2	**Impeller lock nut and washer**		Stainless steel	X5CrNiMo17-12-2/ 1.4401	AISI 316
3	**Impeller key**		Stainless steel	X5CrNiMo17-12-2/ 1.4401	AISI 316
4	**Volute casing**	Standard	Cast iron G25	GJL-250 (JL1040)	ASTM Class 35
		X	Stainless steel	X5CrNiMo17-12-2/ 1.4401	AISI 316
5	**Casing cover**	Standard	Cast iron G20	GJL-200 (JL1030)	ASTM Class 30
		X	Stainless steel	X5CrNiMo17-12-2/ 1.4401	AISI 316
6	**Motor bracket**		Cast iron G20	GJL-200 (JL1030)	ASTM Class 30
7	**Stub shaft**		Stainless steel	X5CrNiMo17-12-2/ 1.4401	AISI 316
8	**O-ring**	Standard	NBR		
		E	EPDM		
		V	FKM		
9	**Mechanical seal**		(Search for the material in the mechanical seal table)		
10	**Fill and drain plugs**	Fill and drain plugs	Brass	CU ZN 40 PB2 UNI 5705/65	C37700

CMG-CMGX ~ 3500 rpm

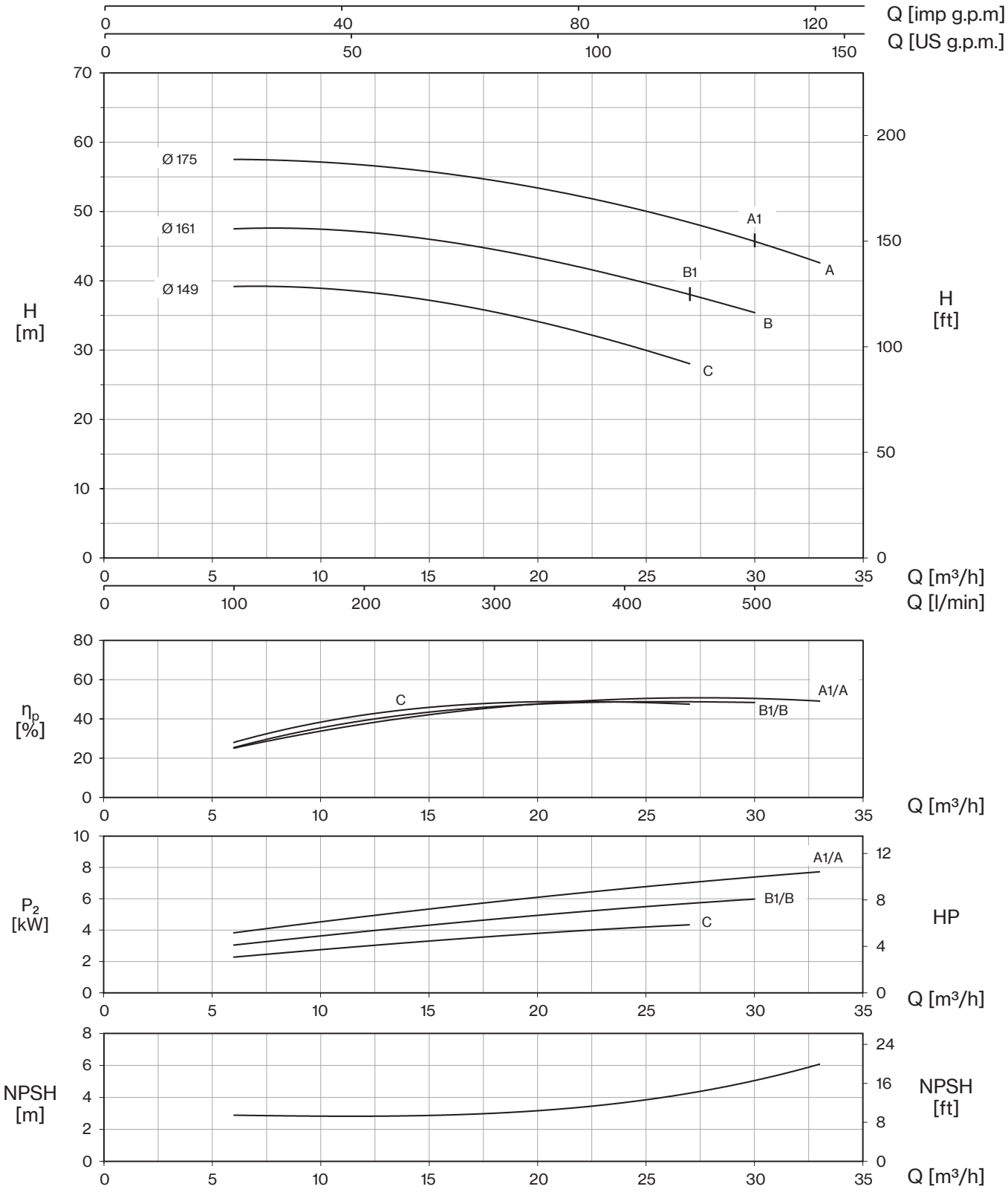
Centrifugal Flanged EN 733

TYPE - 60 Hz	P2	Motor Size	Q (m³/h - l/min)																		
			0	96	108	120	132	138	144	156	168	180	195	210	225	240	255	270	300	330	360
			0	1600	1800	2000	2200	2300	2400	2600	2800	3000	3250	3500	3750	4000	4250	4500	5000	5500	6000
	kW		H (m) *pump input power (kW)*																		
80-250B	45	225M	77,2 *14,22*	77,7 *32,00*	76,4 *34,32*	75,2 *36,41*	74,0 *37,94*	73,3 *38,70*	72,6 *39,45*	70,9 *41,09*	69,1 *42,67*	67,3 *44,03*	64,9 *45,51*	62,3 *46,76*	59,5 *47,80*						
80-250A	55	250M	90,0 *17,04*	92,0 *37,50*	90,8 *39,95*	89,4 *42,26*	87,9 *44,45*	87,0 *45,48*	86,1 *46,46*	84,1 *48,24*	81,9 *49,83*	79,7 *51,32*	77,1 *53,03*	74,2 *54,66*	71 *56,20*	68,0 *57,50*					
100-200B	45	225M	60,2 *21,69*		60,6 *29,77*	60,2 *30,83*	59,6 *31,89*	59,3 *32,42*	59,0 *32,96*	58,5 *34,07*	57,9 *35,19*	57,1 *36,32*	55,9 *37,73*	54,6 *39,12*	53,0 *40,37*	51,3 *41,51*	49,5 *42,42*	47,7 *43,16*	43,4 *44,26*	38,5 *45,12*	
100-200A	55	250M	65,5 *24,80*		66,3 *34,31*	65,9 *35,51*	65,3 *36,72*	65,0 *37,32*	64,7 *37,94*	64,2 *39,19*	63,7 *40,45*	63,1 *41,65*	62,1 *43,02*	61,0 *44,31*	59,7 *45,63*	58,1 *46,97*	56,4 *48,14*	54,5 *49,15*	50,4 *50,77*	46,1 *52,16*	39,9 *52,86*
100-250C	55	250M	79,9			81,0	80,7	80,6	80,4	79,9	79,4	78,7	77,7	76,5	74,9	73,1	70,9	68,6	64,1		
	75	280S	*25,58*			*43,12*	*44,90*	*45,79*	*46,68*	*48,46*	*50,21*	*51,90*	*53,93*	*55,86*	*57,68*	*59,39*	*60,96*	*62,44*	*65,30*		
100-250B	75	280S	90,0 *29,82*			89,9 *49,11*	89,6 *51,23*	89,4 *52,27*	89,2 *53,30*	88,8 *55,34*	88,2 *57,27*	87,6 *58,98*	86,8 *60,82*	85,9 *62,59*	84,7 *64,38*	83,3 *66,22*	81,0 *68,39*	78,4 *70,55*	73,2 *73,87*	70,9 *77,92*	
100-250A	90	280M	100,5 *32,74*			100,7 *54,04*	100,3 *56,39*	100,1 *57,55*	99,8 *58,71*	99,2 *61,08*	98,4 *63,34*	97,6 *65,30*	96,4 *67,40*	95,0 *69,46*	93,2 *71,65*	91,2 *73,82*	89,3 *75,81*	87,1 *77,67*	81,8 *81,17*	78,7 *85,71*	74,0 *88,00*

32-160

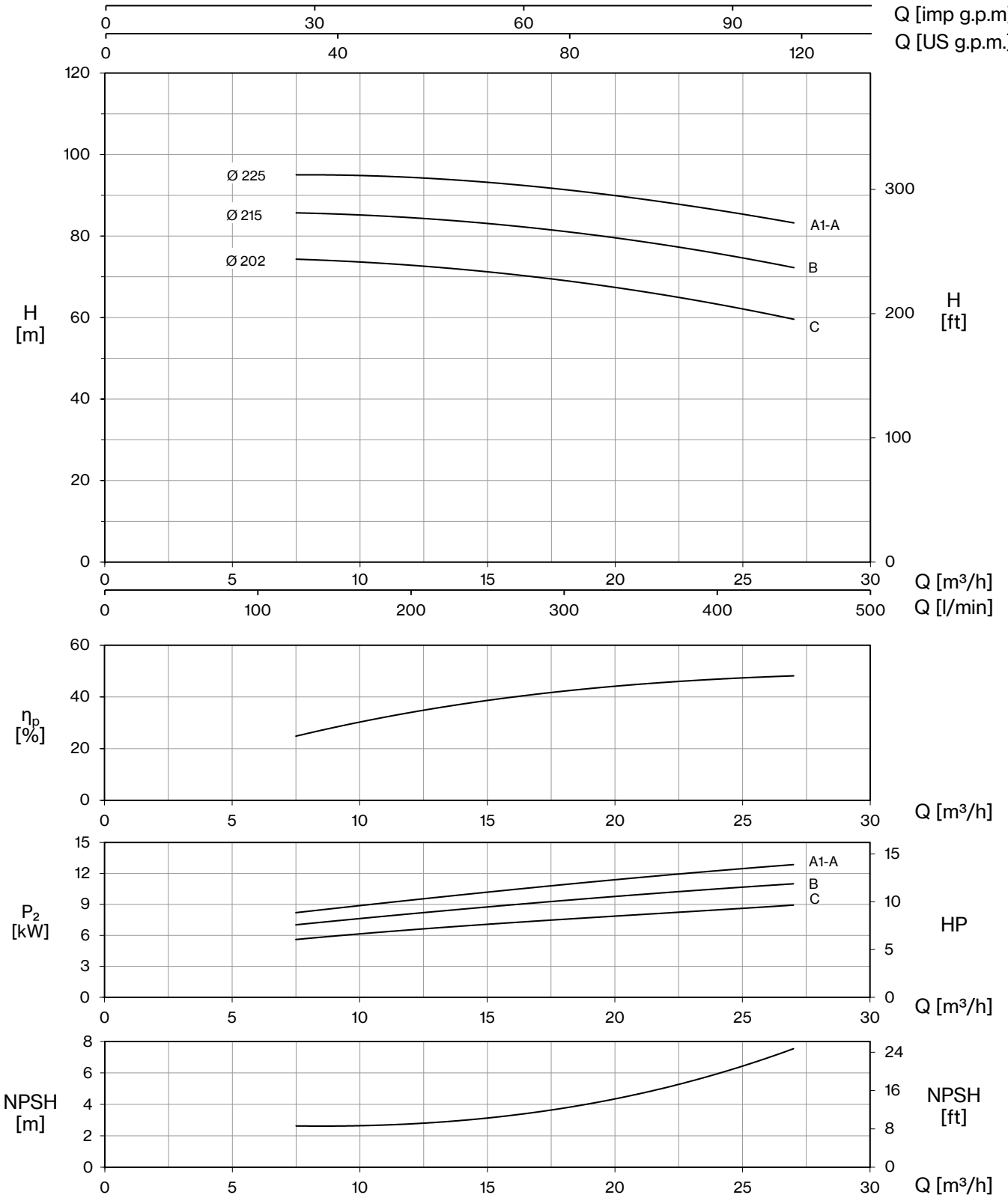

Q [imp g.p.m]
Q [US g.p.m.]
Ø 136
Ø 123
Ø 113
A
B
C
H [m]
H [ft]
Q [m³/h]
Q [l/min]
ηp [%]
P2 [kW]
HP
NPSH [m]
NPSH [ft]

32-200

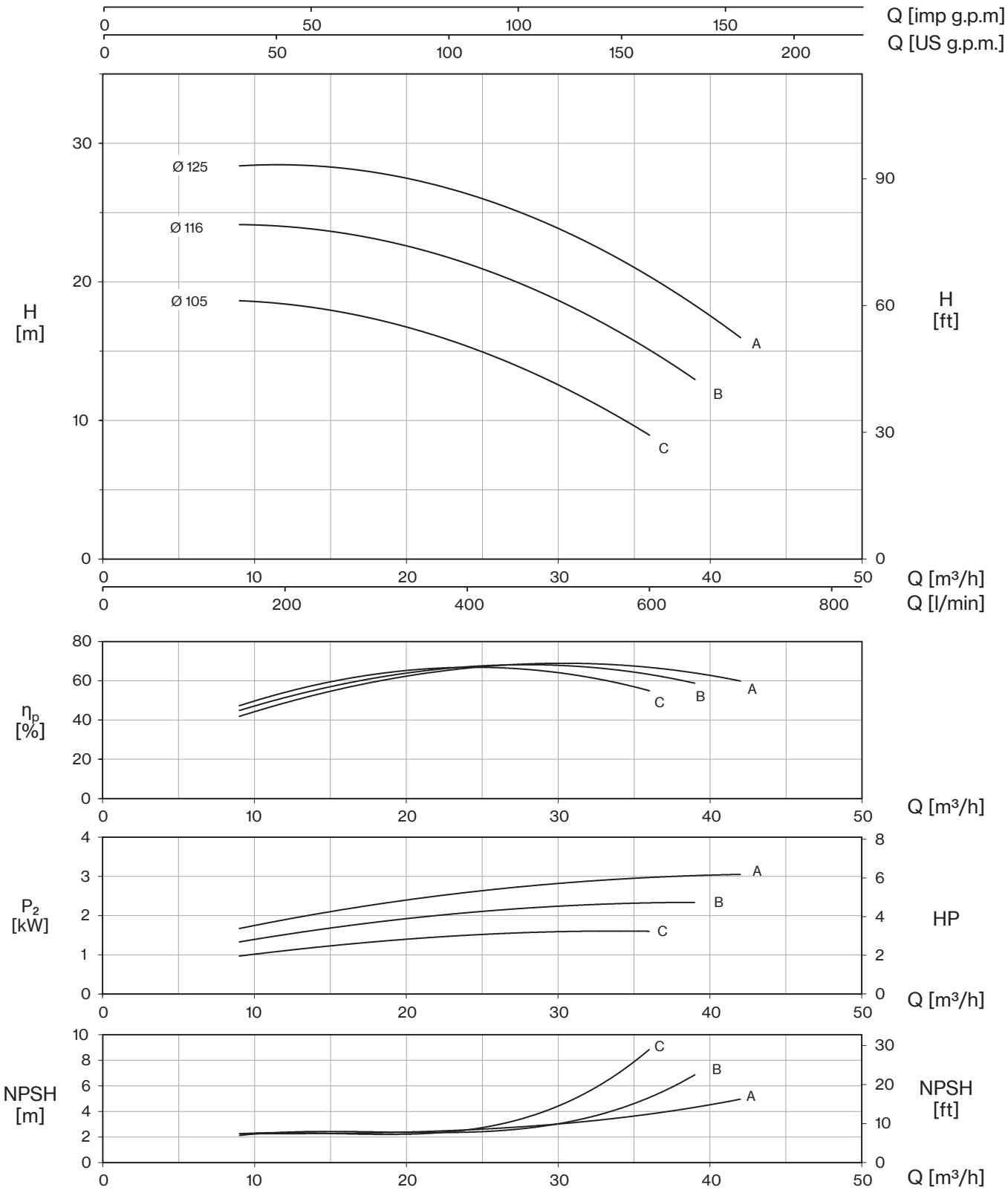


Tolerance: ISO 9906:2012 - Grade 3B
Check pumps availability on pages 90-91-92

32-250

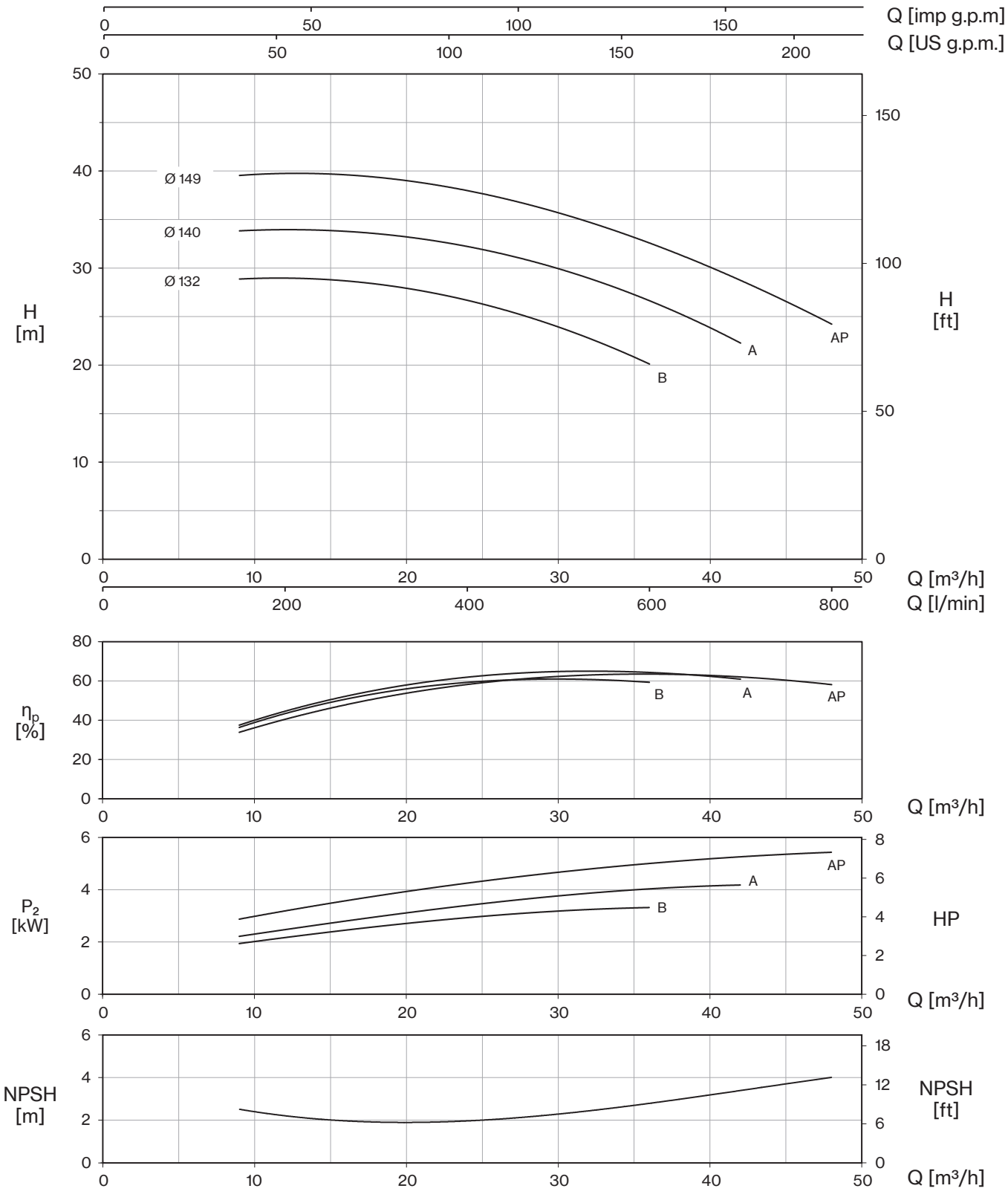

Q [imp g.p.m]
Q [US g.p.m.]
Ø 225
Ø 215
Ø 202
A1-A
B
C
H [m]
H [ft]
Q [m³/h]
Q [l/min]
ηp [%]
P2 [kW]
HP
NPSH [m]
NPSH [ft]

40-125

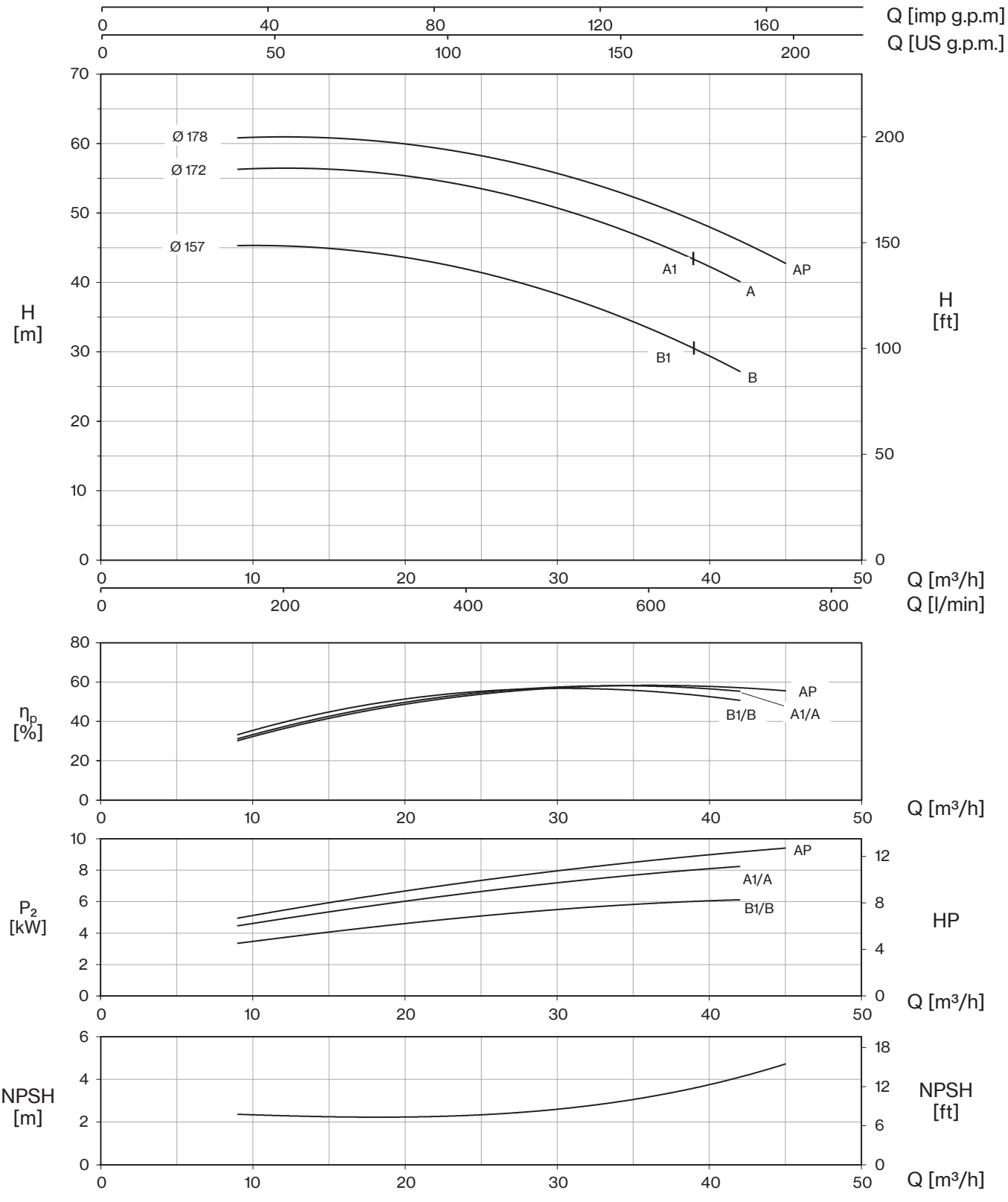


Tolerance: ISO 9906:2012 - Grade 3B
Check pumps availability on pages 90-91-92

40-160

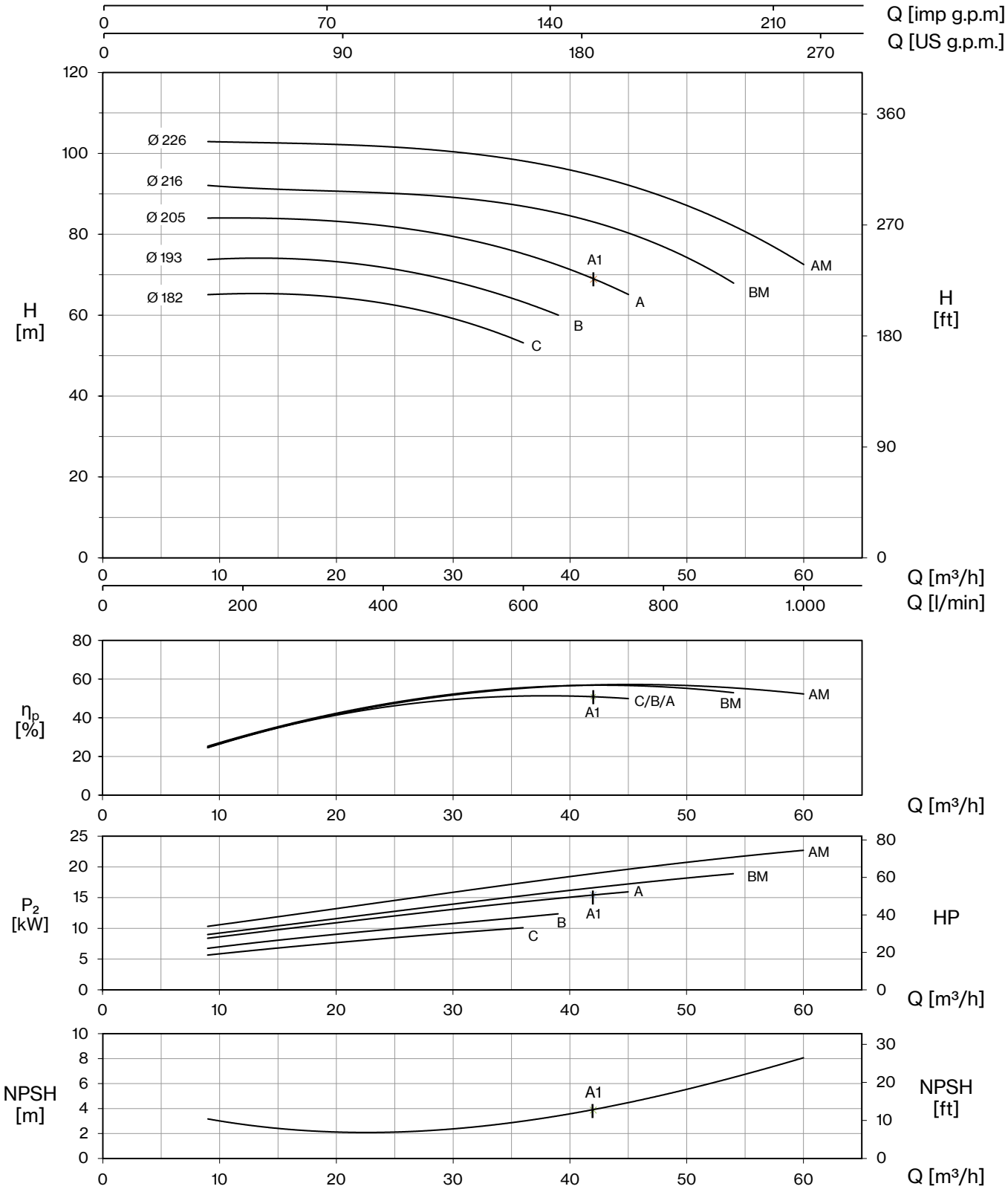

Q [imp g.p.m]
Q [US g.p.m.]
H [m]
H [ft]
Ø 149
Ø 140
Ø 132
AP
A
B
Q [m³/h]
Q [l/min]
ηp [%]
P2 [kW]
HP
NPSH [m]
NPSH [ft]

40-200



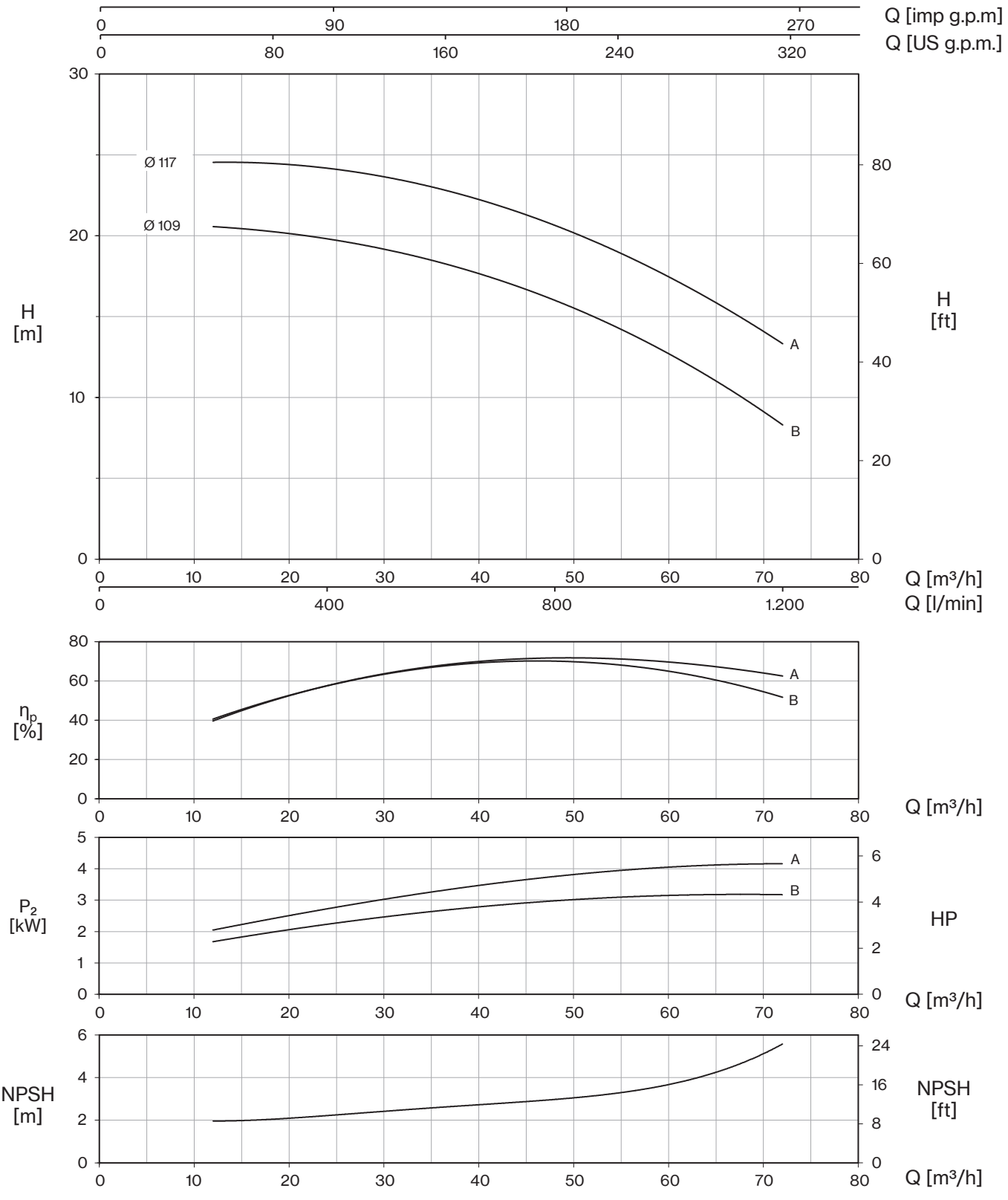
Tolerance: ISO 9906:2012 - Grade 3B
Check pumps availability on pages 90-91-92

40-250



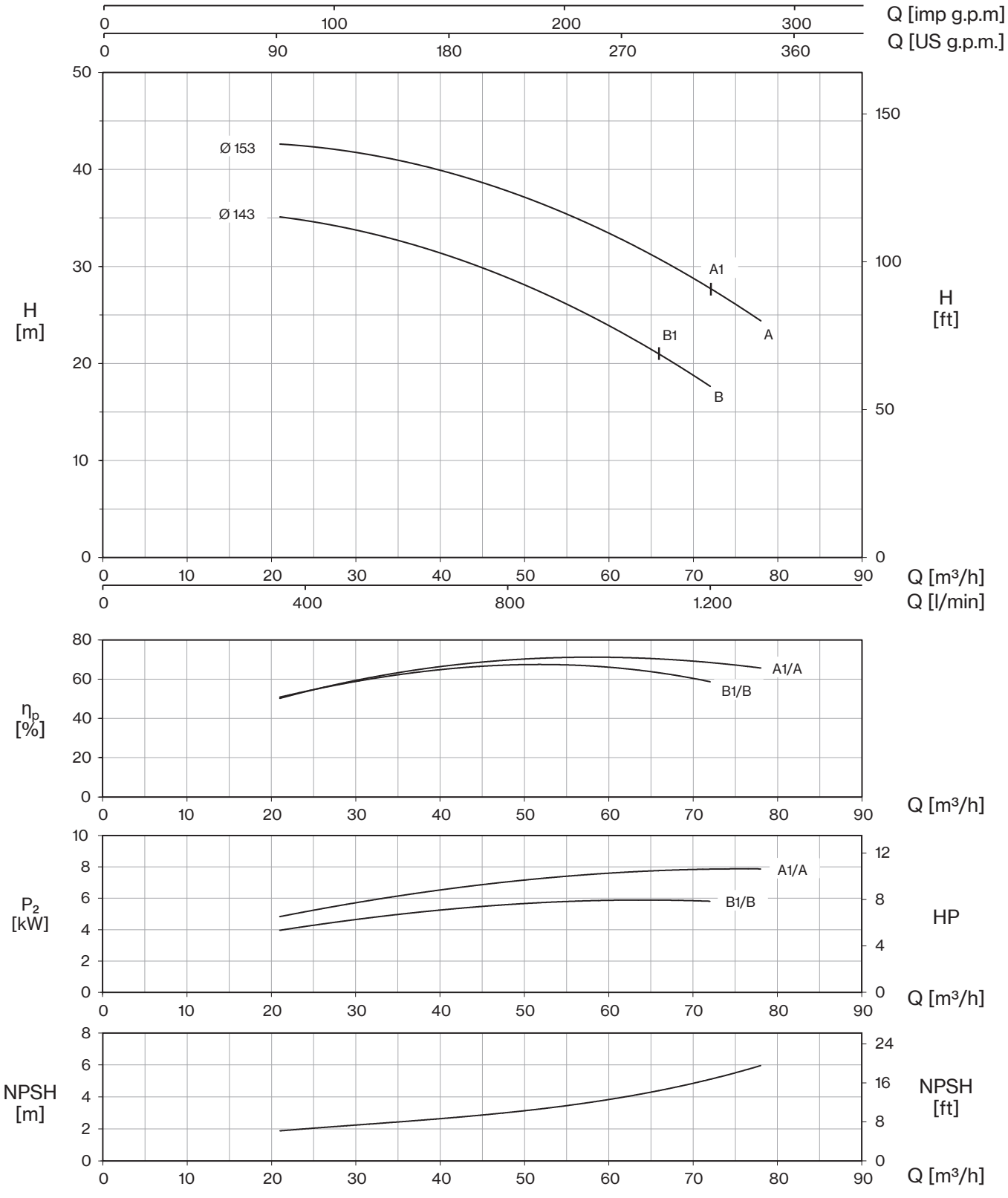
Tolerance: ISO 9906:2012 - Grade 3B
Check pumps availability on pages 90-91-92

50-125

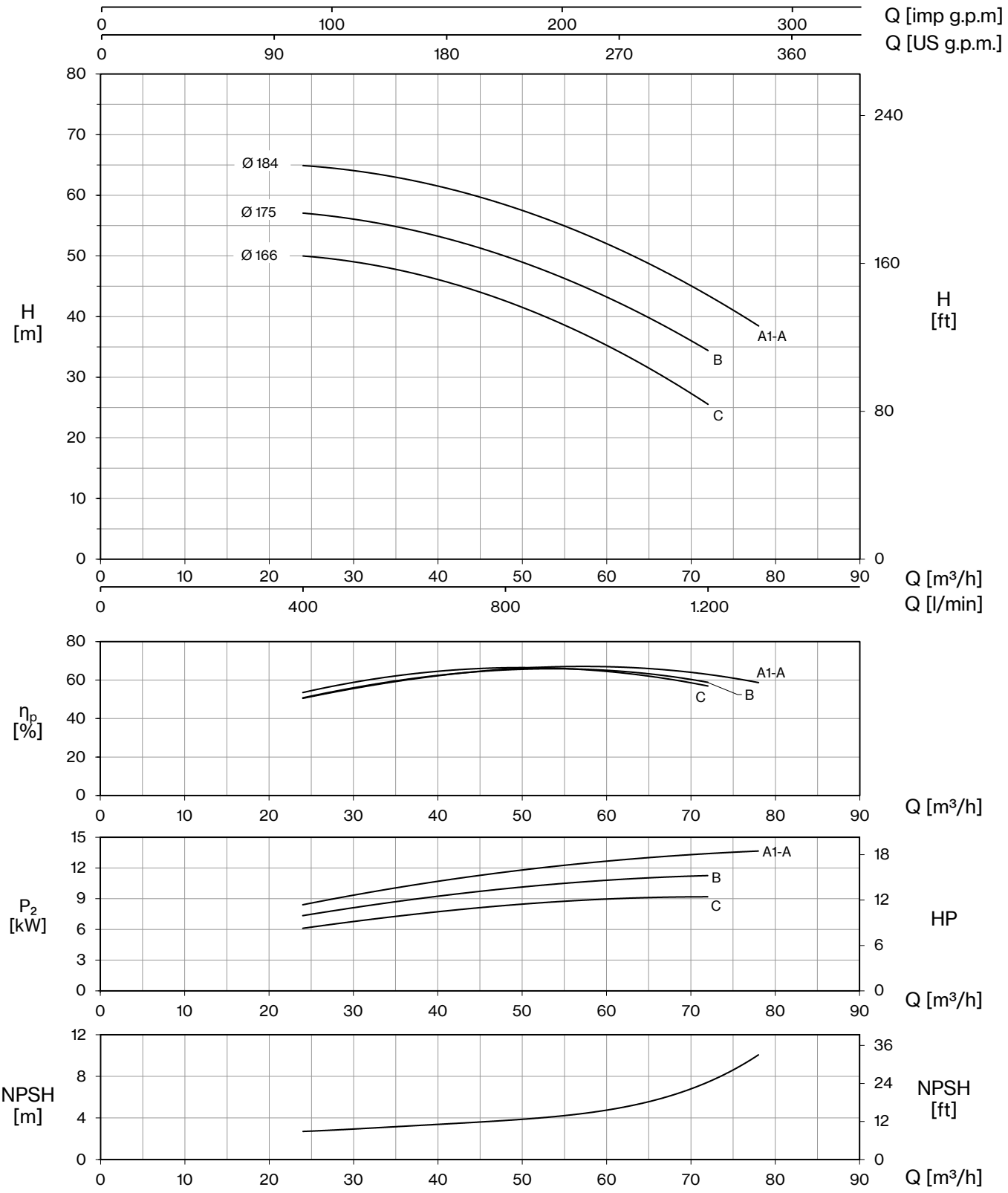


Tolerance: ISO 9906:2012 - Grade 3B
Check pumps availability on pages 90-91-92

50-160

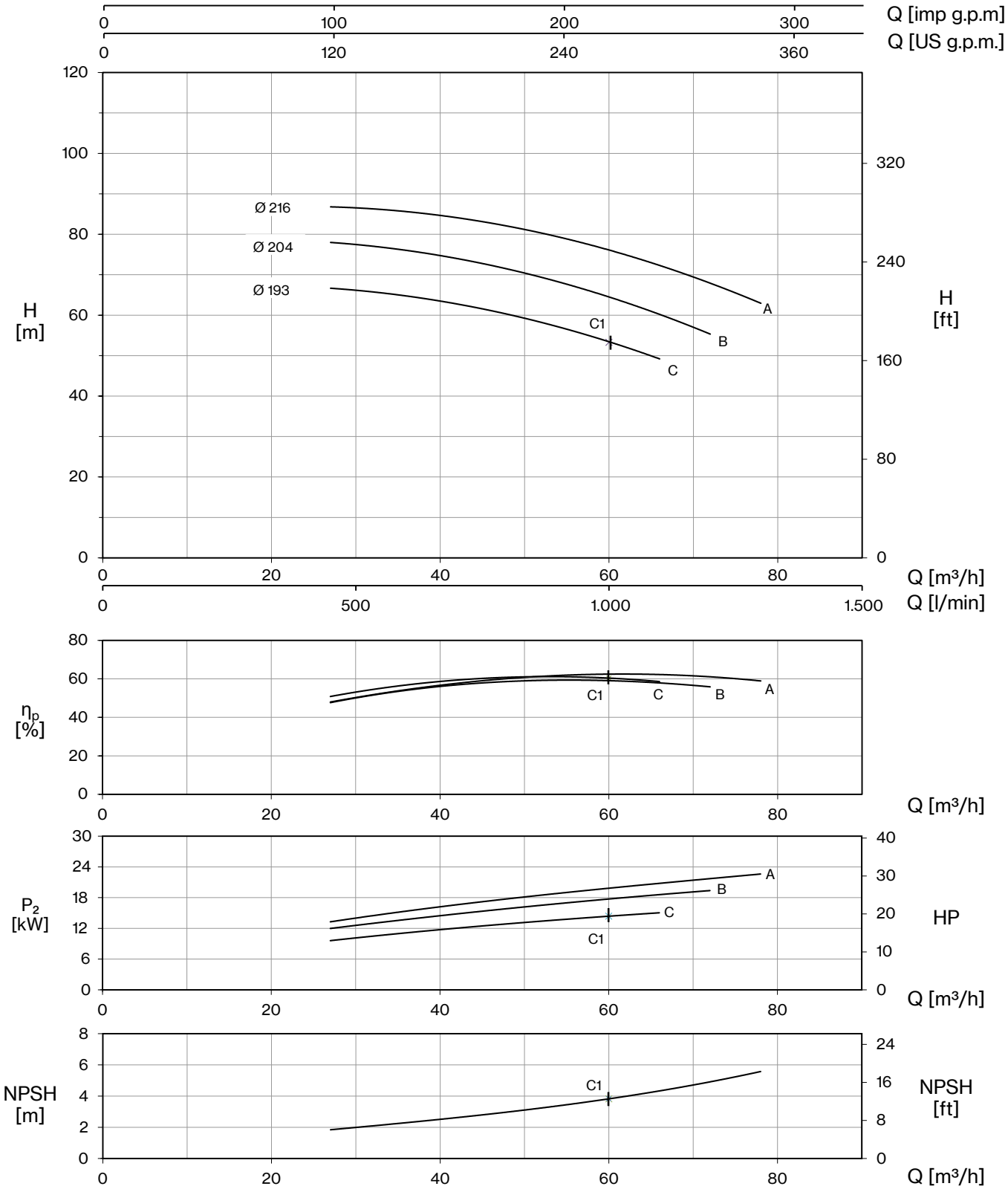

Q [imp g.p.m]
0 100 200 300
Q [US g.p.m.]
0 90 180 270 360
H [m]
H [ft]
Ø 153
Ø 143
A1
A
B1
B
Q [m³/h]
Q [l/min]
0 10 20 30 40 50 60 70 80 90
0 400 800 1.200
ηp [%]
A1/A
B1/B
P2 [kW]
HP
NPSH [m]
NPSH [ft]

50-200

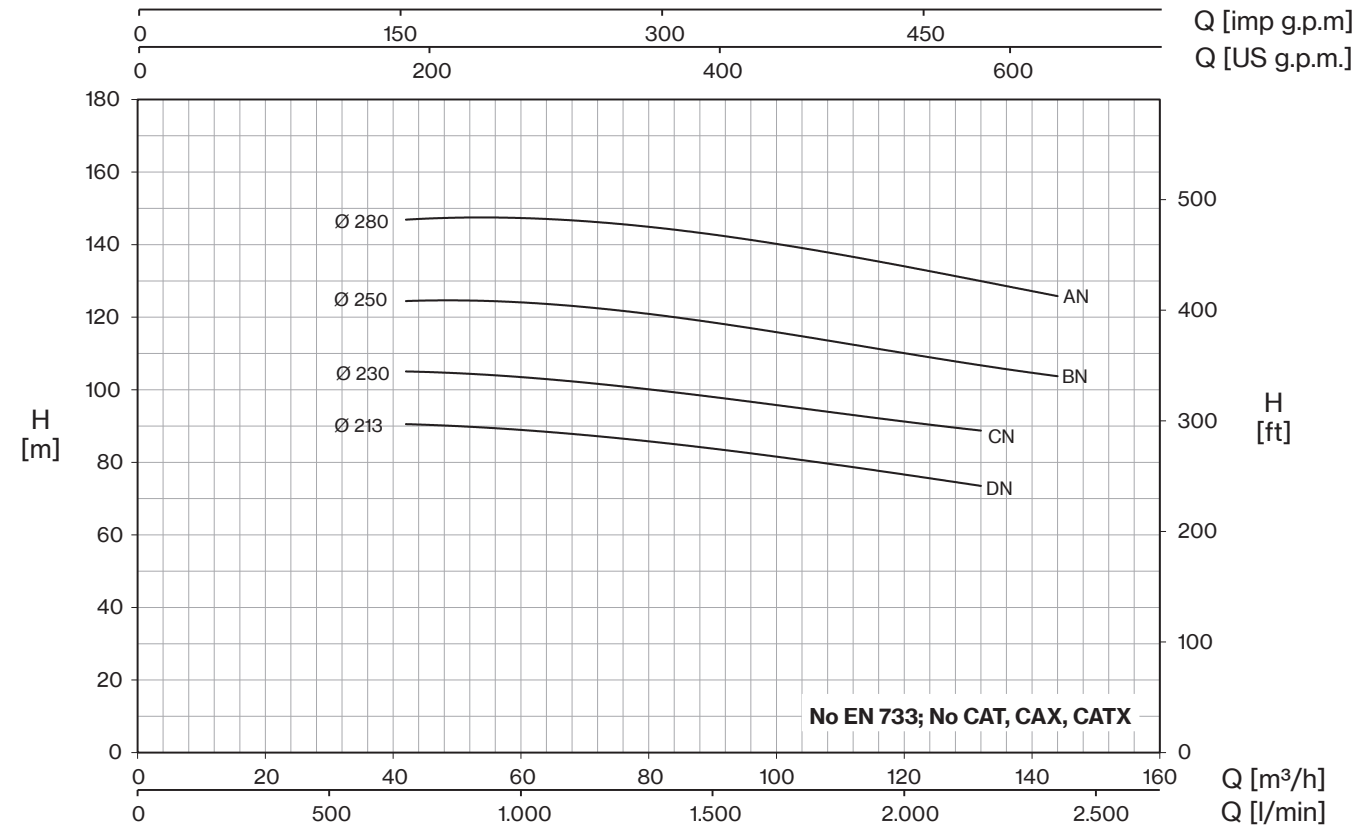


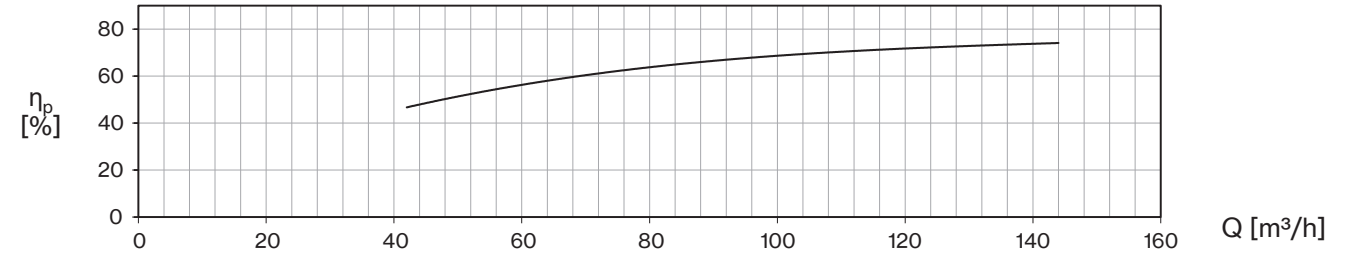
Tolerance: ISO 9906:2012 - Grade 3B
Check pumps availability on pages 90-91-92

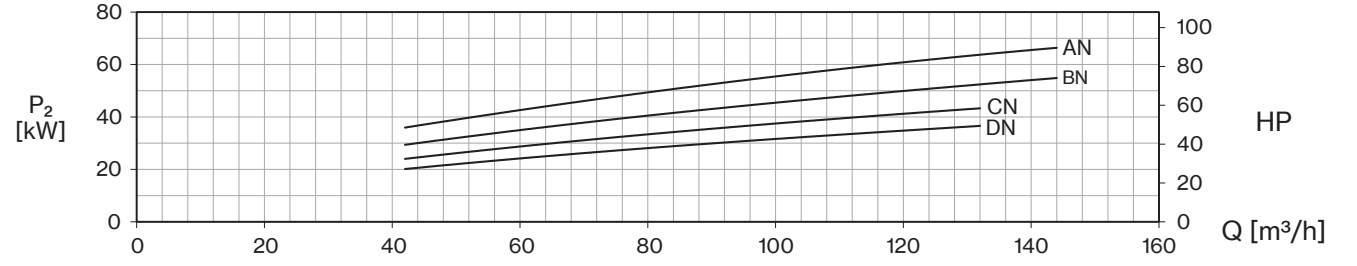
50-250

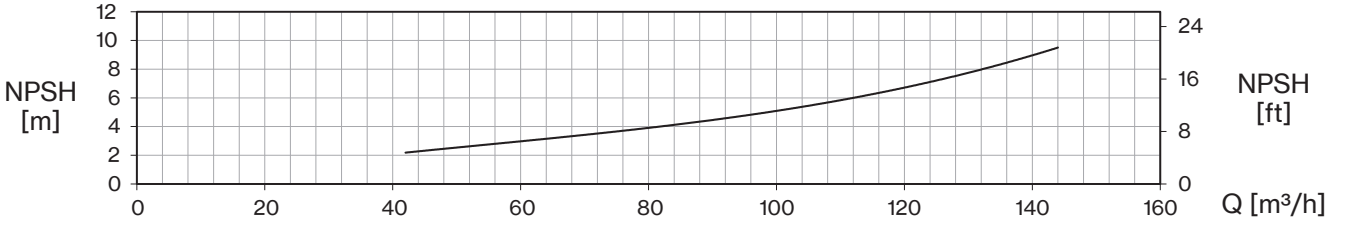

Q [imp g.p.m]
Q [US g.p.m.]
H [m]
H [ft]
Ø 216
Ø 204
Ø 193
A
B
C
C1
Q [m³/h]
Q [l/min]
ηp [%]
P2 [kW]
HP
NPSH [m]
NPSH [ft]

50-315



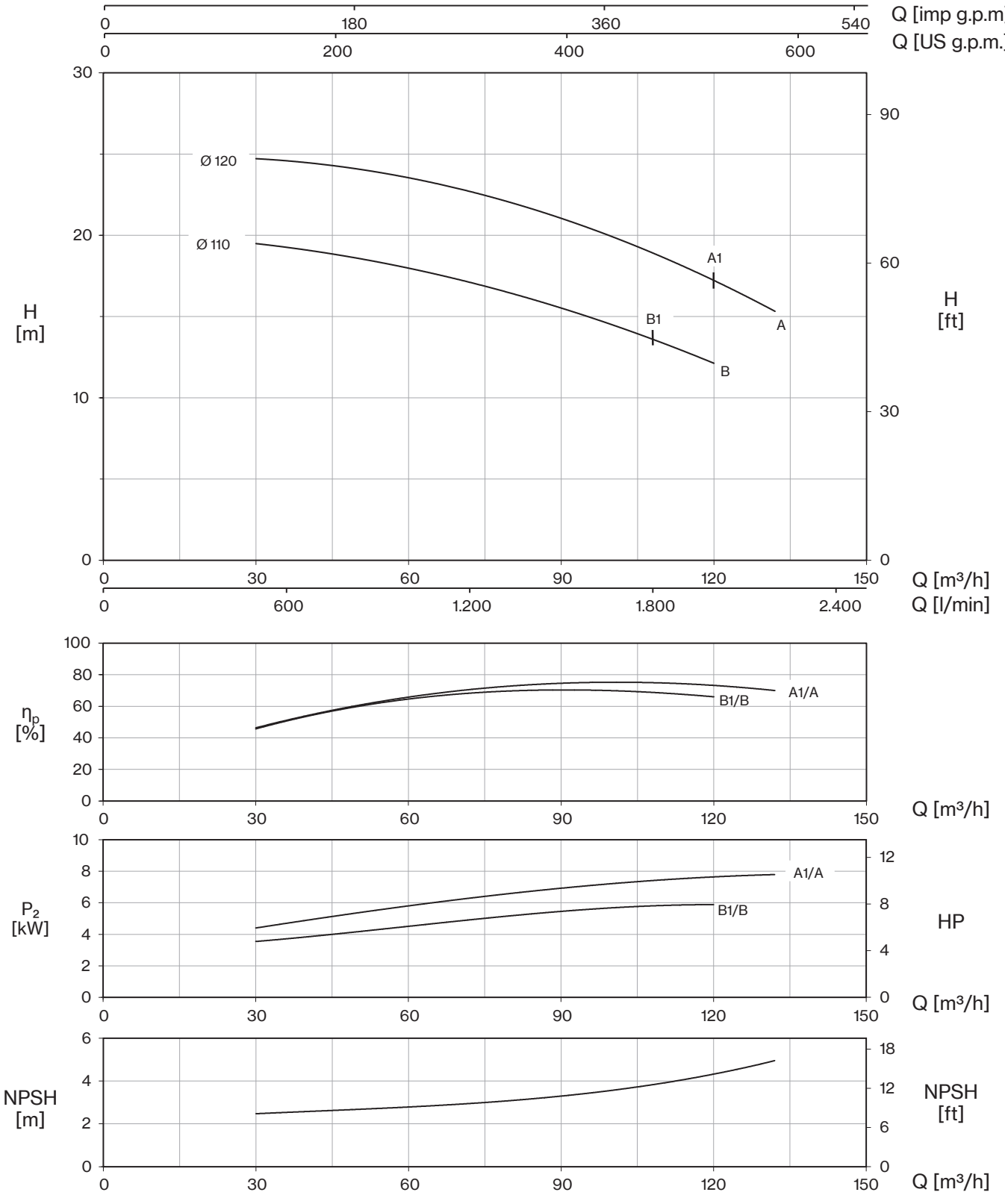




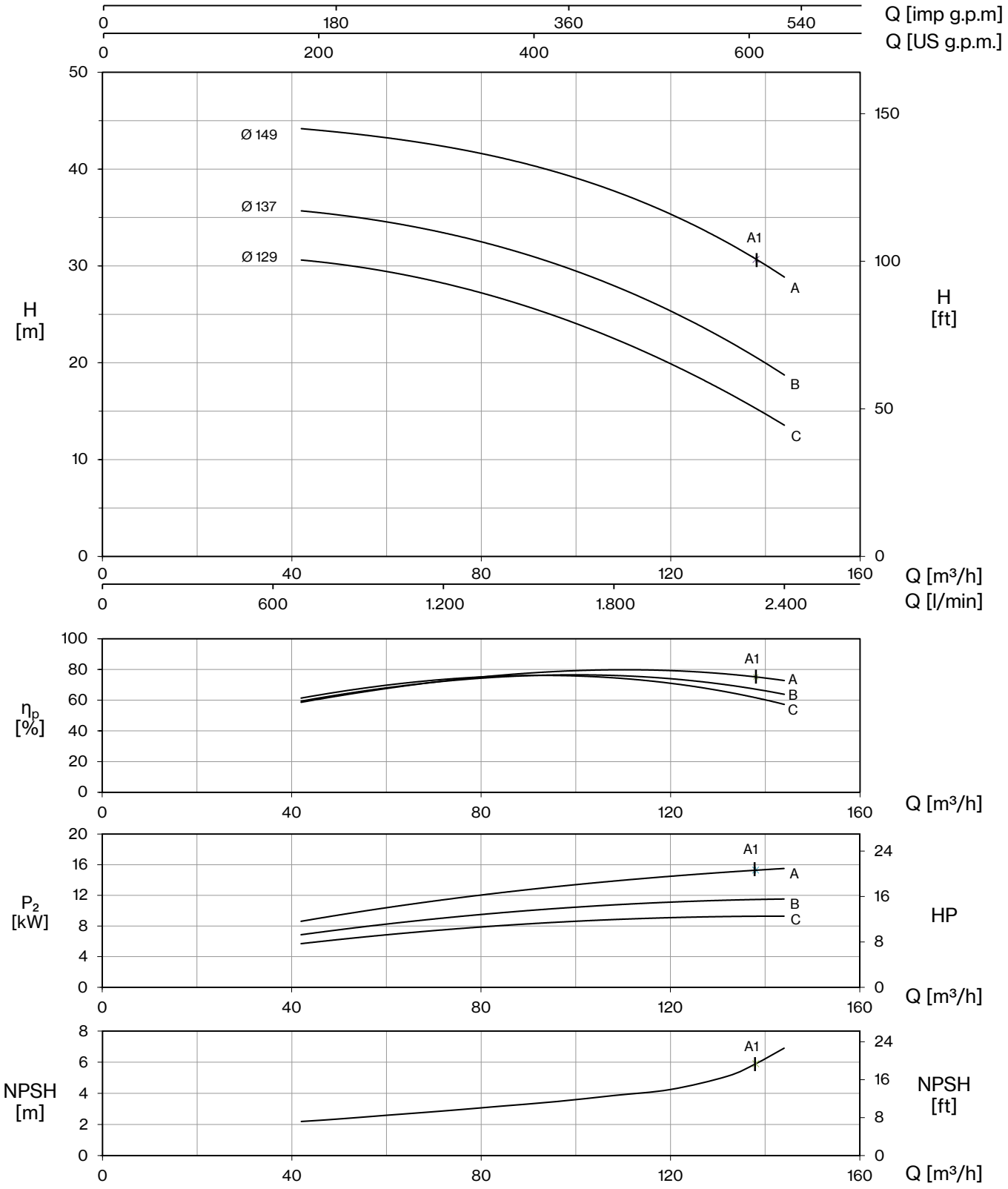


Tolerance: ISO 9906:2012 - Grade 3B
Check pumps availability on pages 90-91-92

65-125

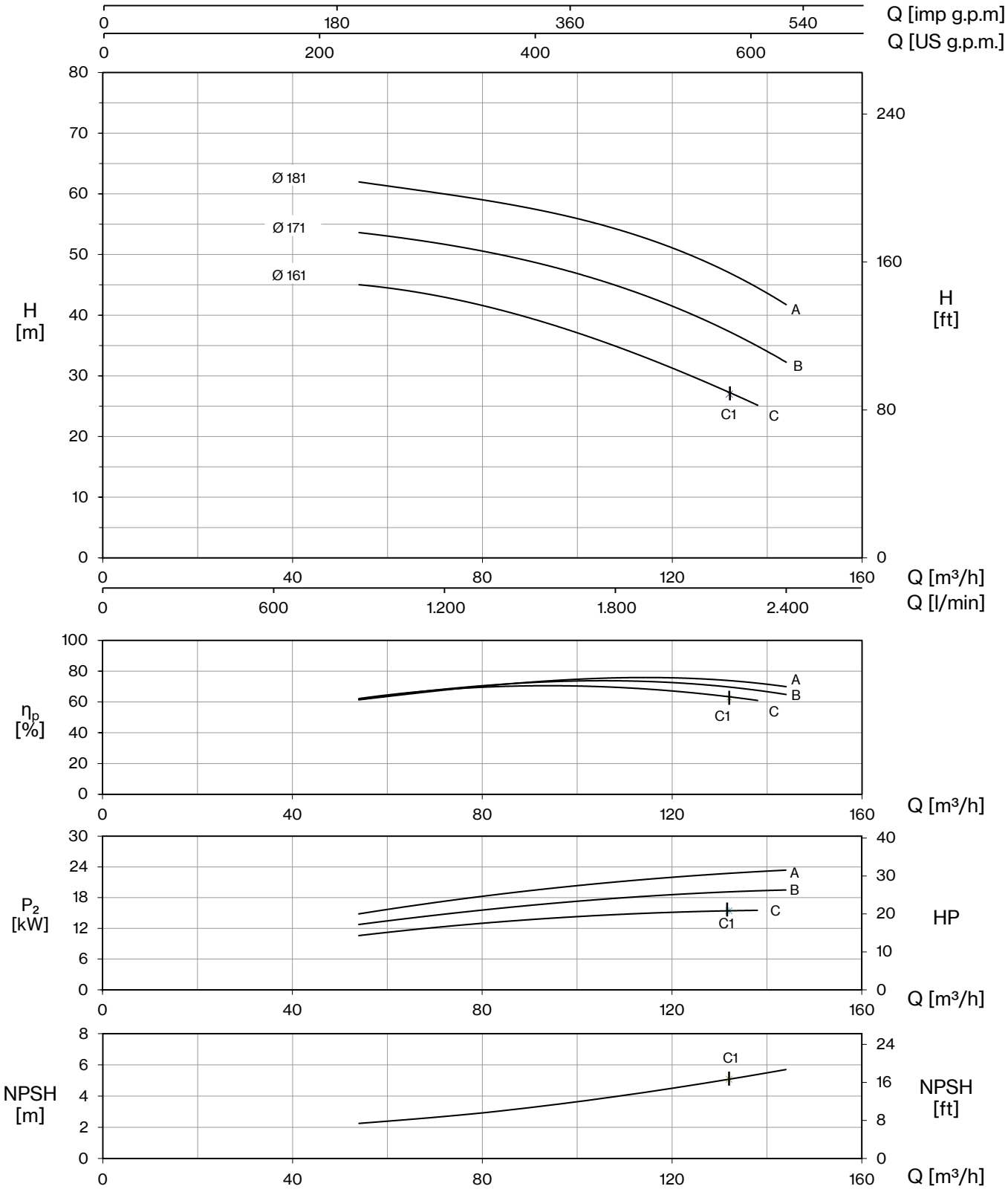

Q [imp g.p.m]
0
180
360
540
Q [US g.p.m.]
0
200
400
600
H [m]
H [ft]
Ø 120
Ø 110
A1
A
B1
B
Q [m³/h]
Q [l/min]
0
600
1.200
1.800
2.400
η_p [%]
A1/A
B1/B
P_2 [kW]
HP
NPSH [m]
NPSH [ft]

65-160

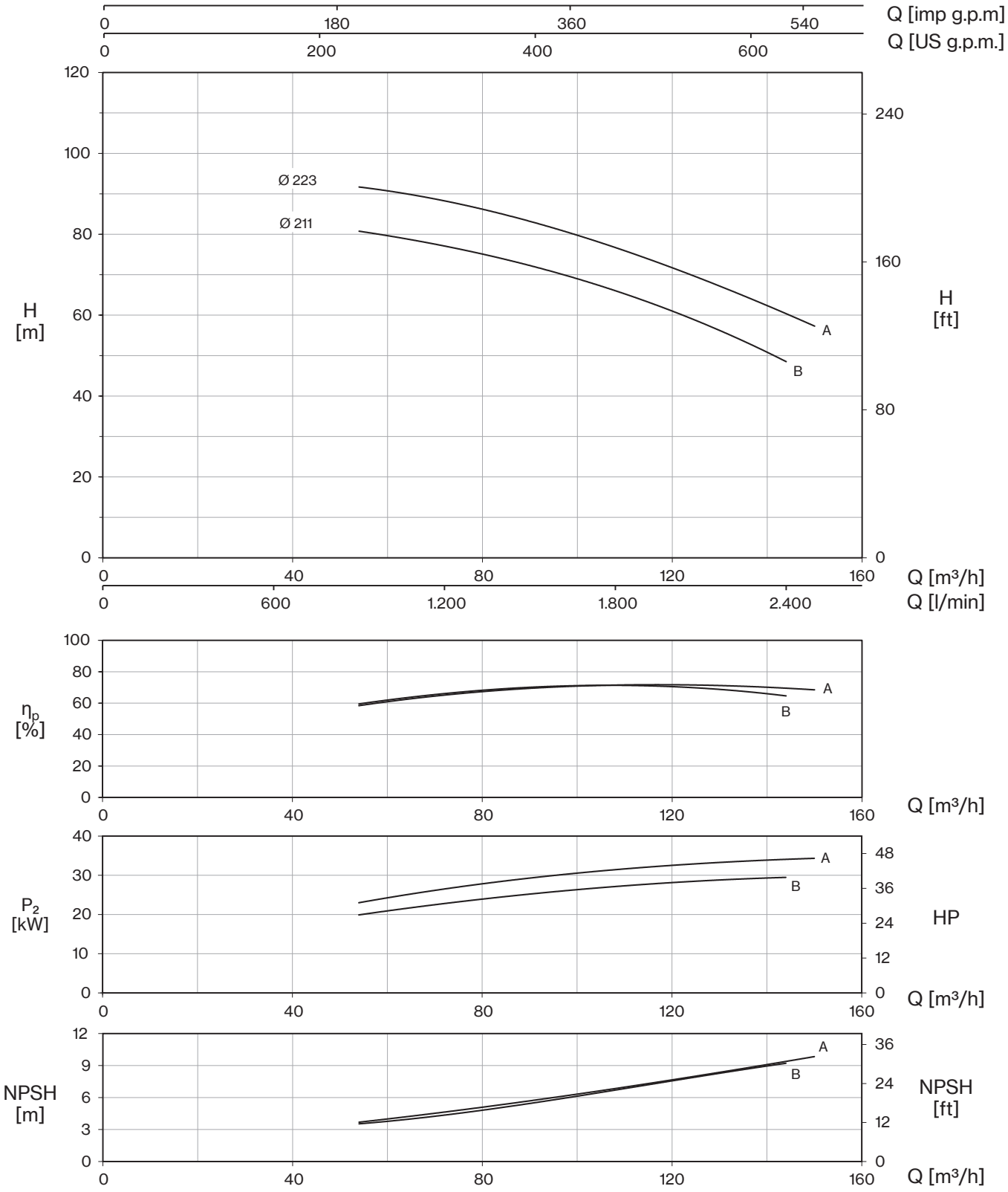


Tolerance: ISO 9906:2012 - Grade 3B
Check pumps availability on pages 90-91-92

65-200

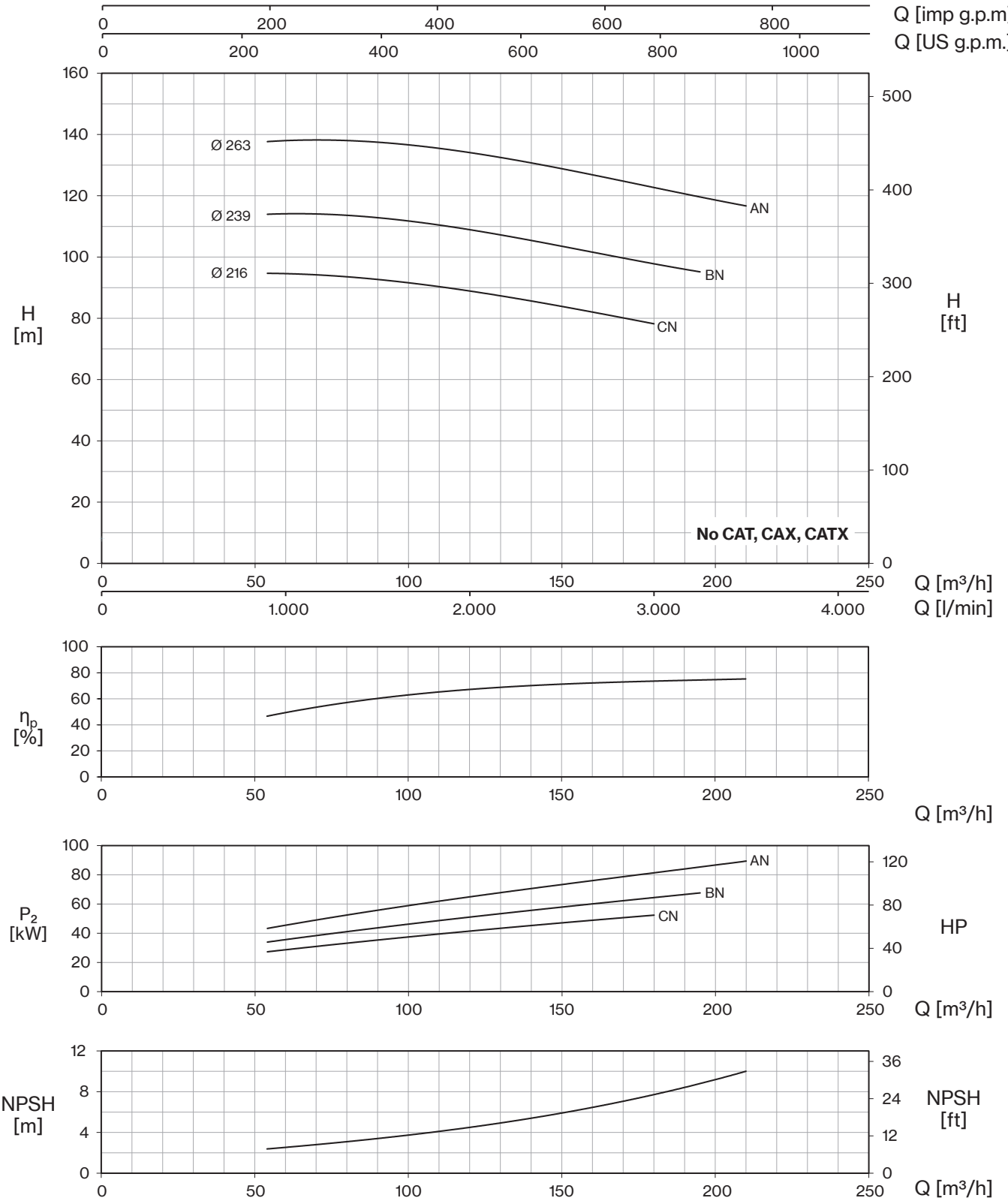

Q [imp g.p.m]
0
180
360
540
Q [US g.p.m.]
0
200
400
600
H [m]
H [ft]
Ø 181
Ø 171
Ø 161
A
B
C
C1
Q [m³/h]
Q [l/min]
0
600
1.200
1.800
2.400
ηp [%]
P2 [kW]
HP
NPSH [m]
NPSH [ft]

65-250

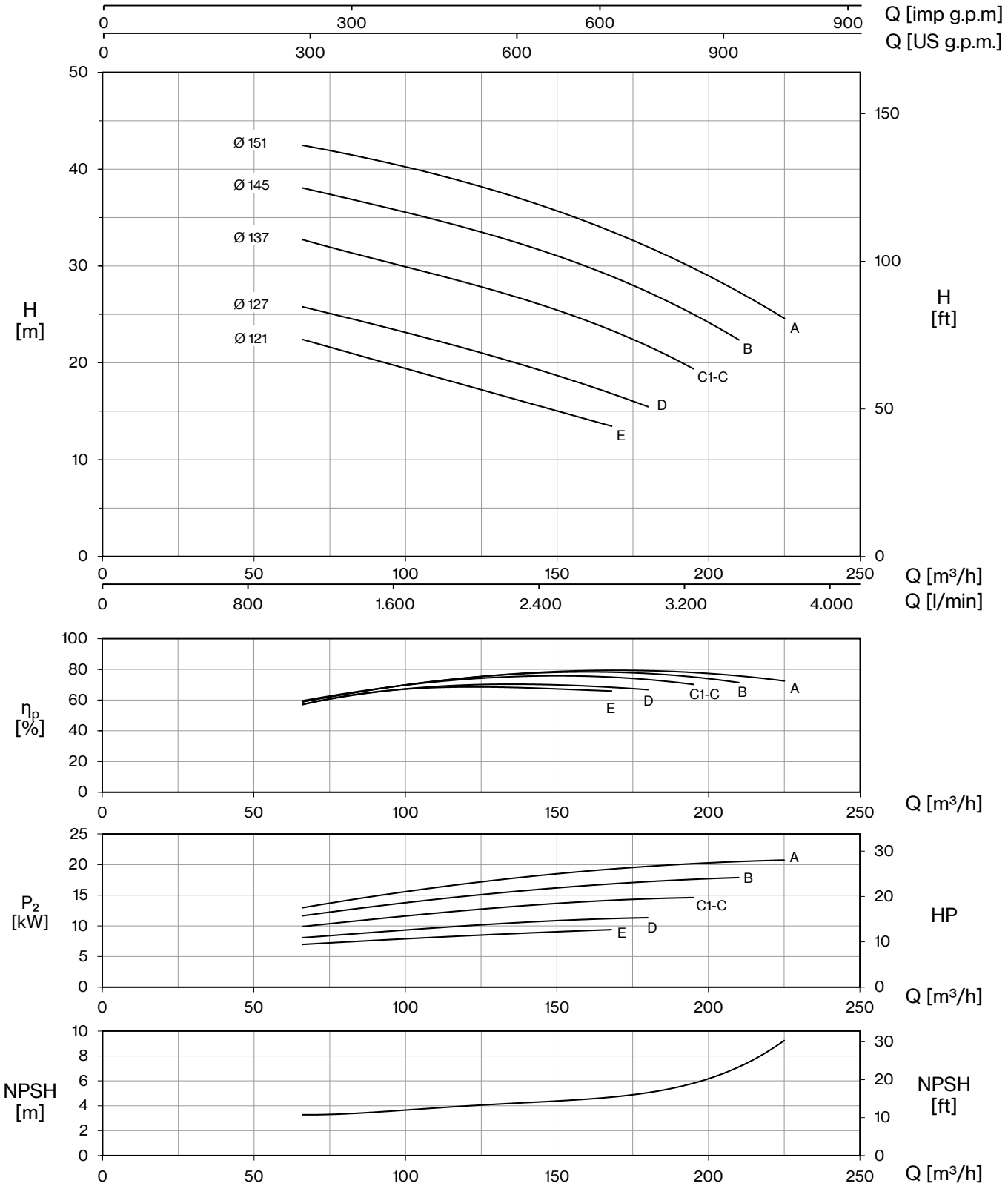


Tolerance: ISO 9906:2012 - Grade 3B
Check pumps availability on pages 90-91-92

65-315

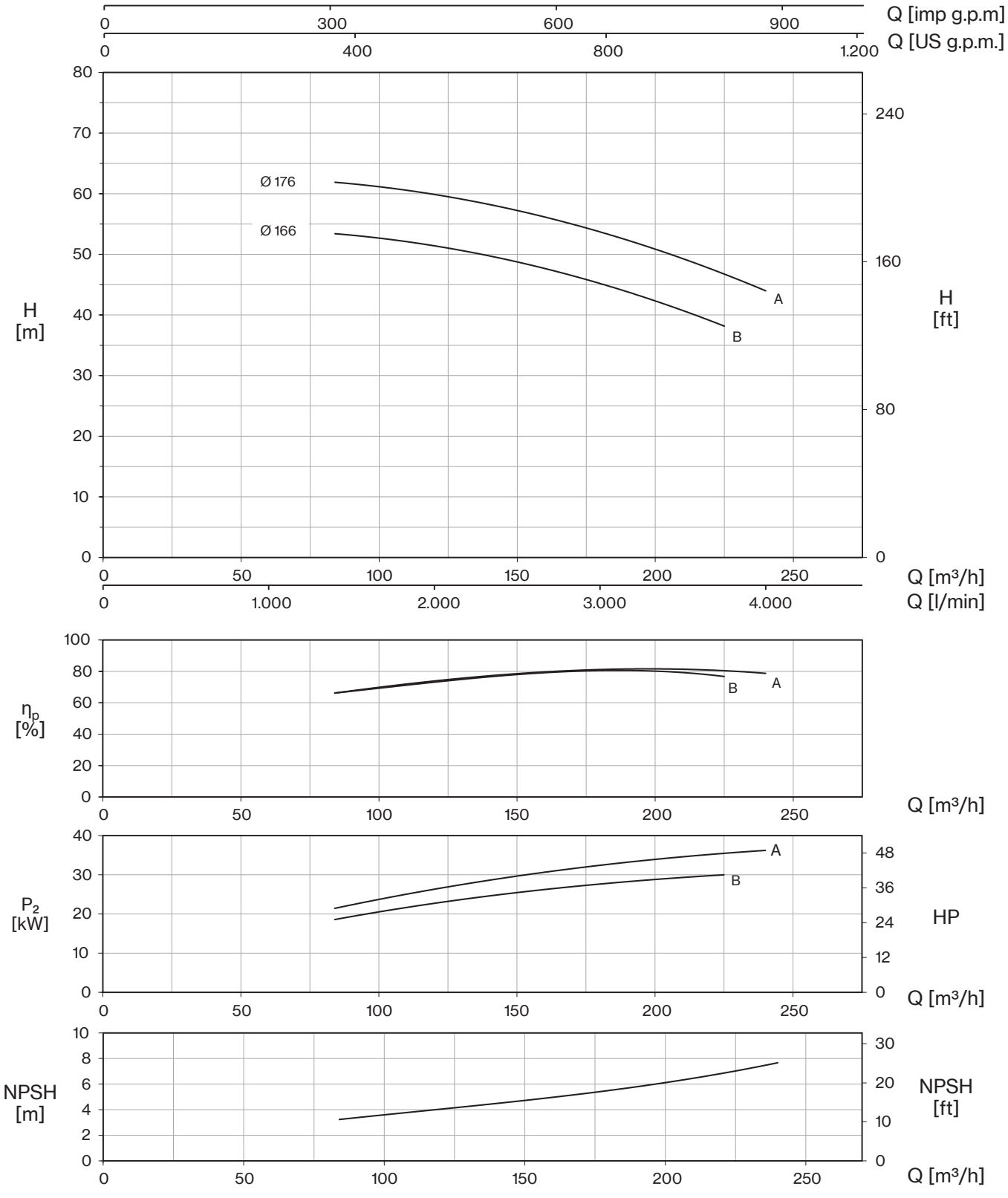

Q [imp g.p.m]
Q [US g.p.m.]
H [m]
H [ft]
Ø 263
Ø 239
Ø 216
AN
BN
CN
No CAT, CAX, CATX
Q [m³/h]
Q [l/min]
ηp [%]
P2 [kW]
HP
NPSH [m]
NPSH [ft]

80-160

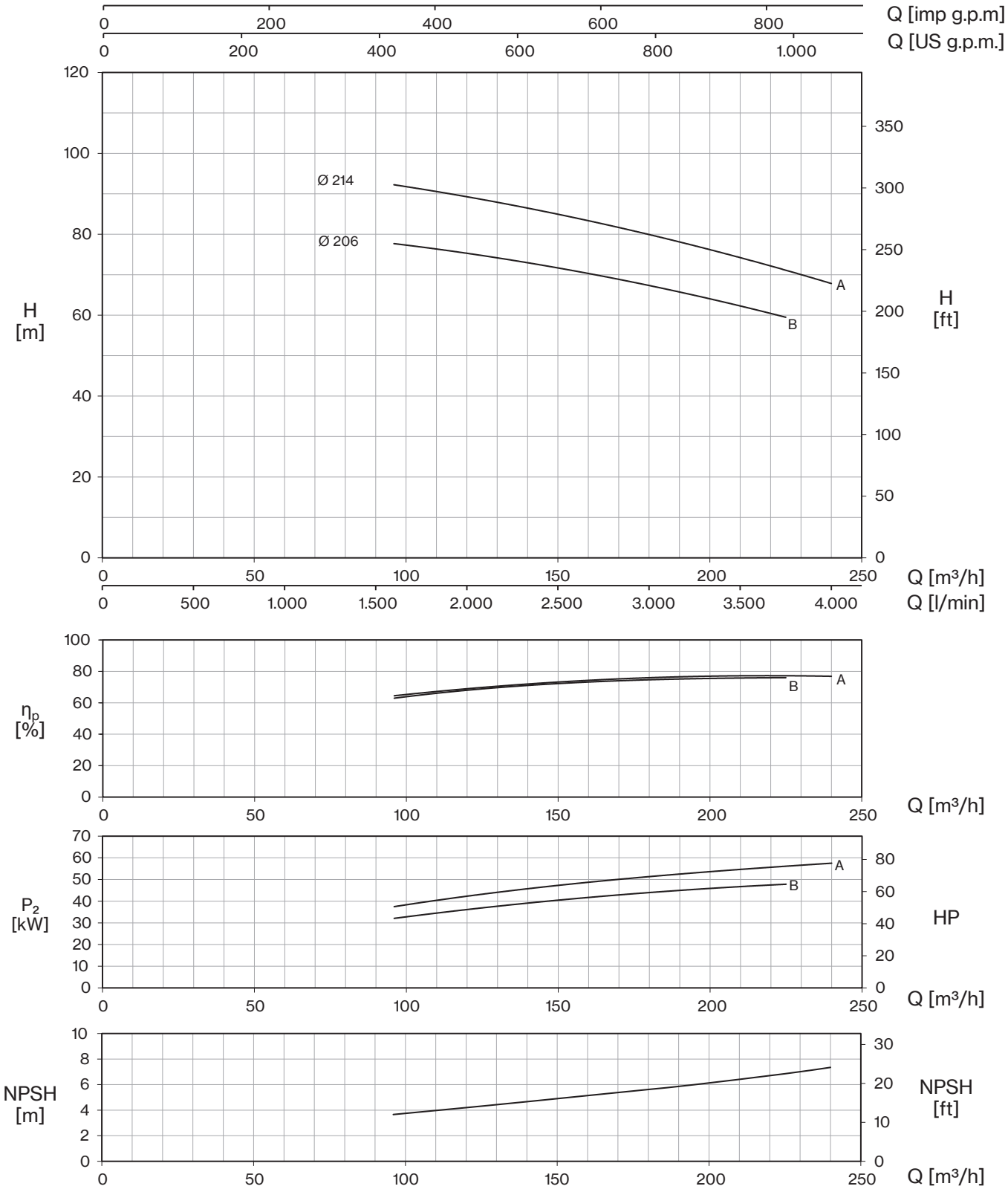


Tolerance: ISO 9906:2012 - Grade 3B
Check pumps availability on pages 90-91-92

80-200

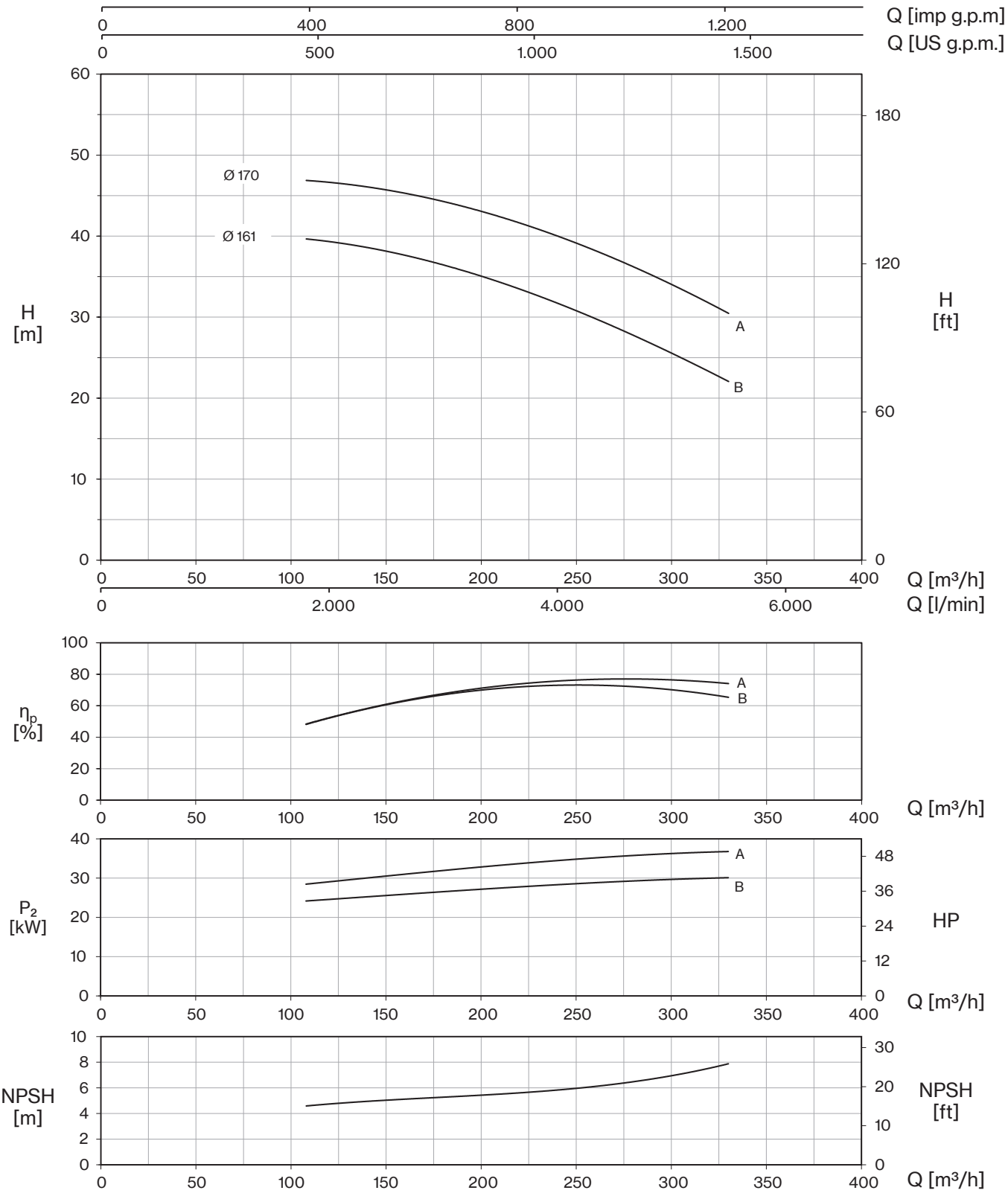

Q [imp g.p.m]
0
300
600
900
Q [US g.p.m.]
0
400
800
1.200
H [m]
H [ft]
Ø 176
Ø 166
A
B
Q [m³/h]
Q [l/min]
0
50
100
150
200
250
1.000
2.000
3.000
4.000
ηp [%]
P2 [kW]
HP
NPSH [m]
NPSH [ft]

80-250

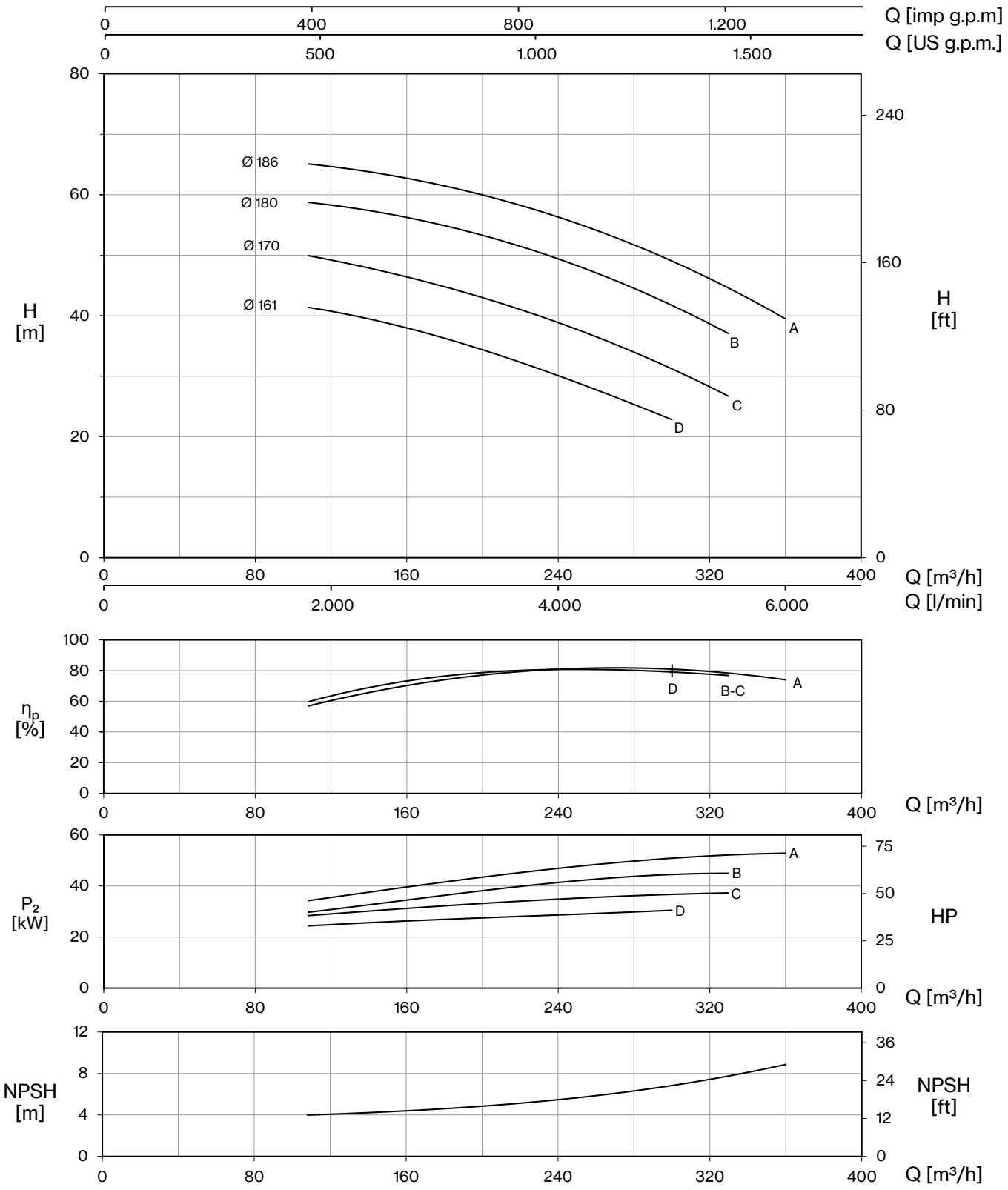


Tolerance: ISO 9906:2012 - Grade 3B
Check pumps availability on pages 90-91-92

100-160

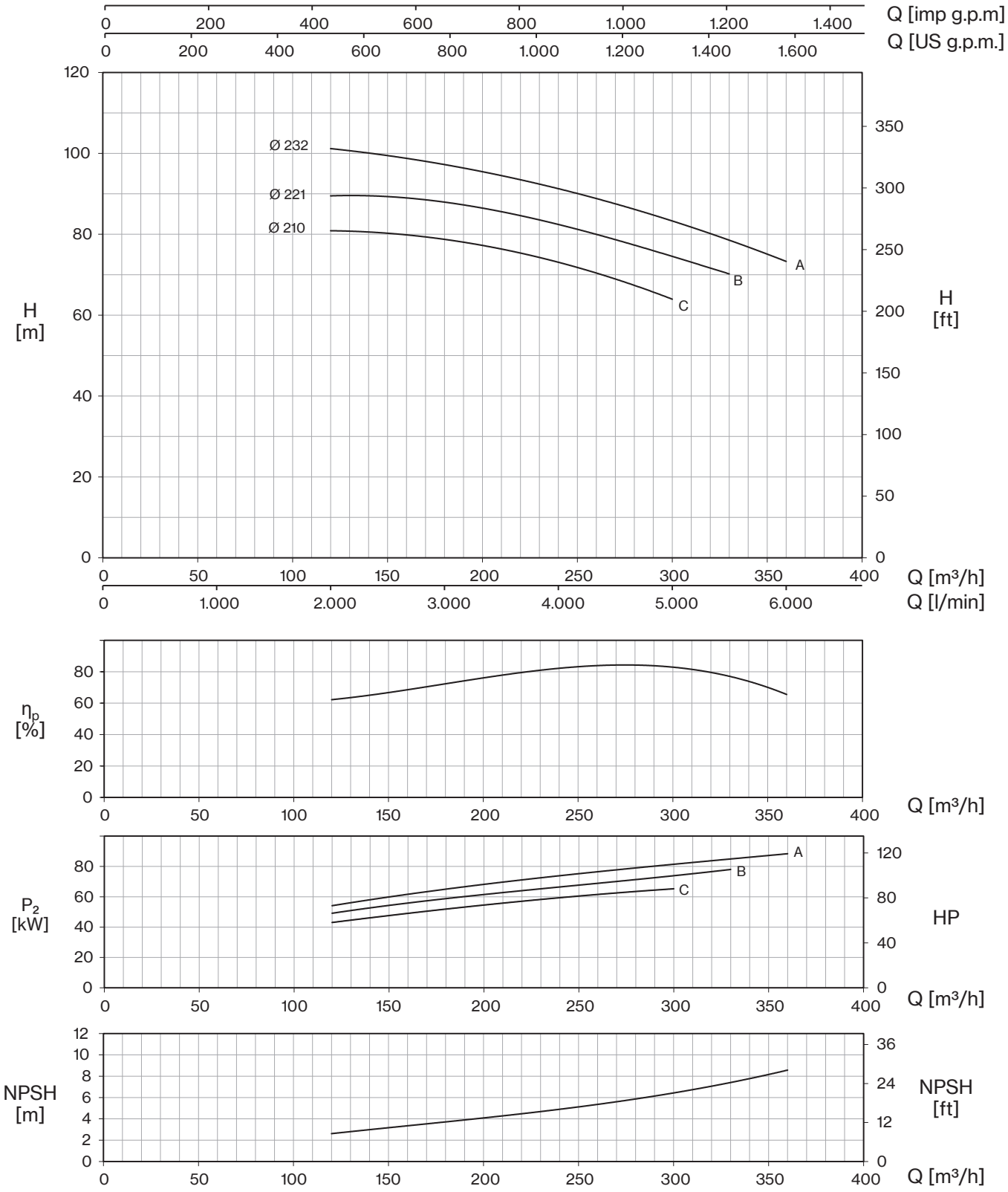

Q [imp g.p.m]
0
400
800
1.200
Q [US g.p.m.]
0
500
1.000
1.500
H [m]
H [ft]
Ø 170
Ø 161
A
B
Q [m³/h]
Q [l/min]
0
2.000
4.000
6.000
ηp [%]
P2 [kW]
HP
NPSH [m]
NPSH [ft]

100-200

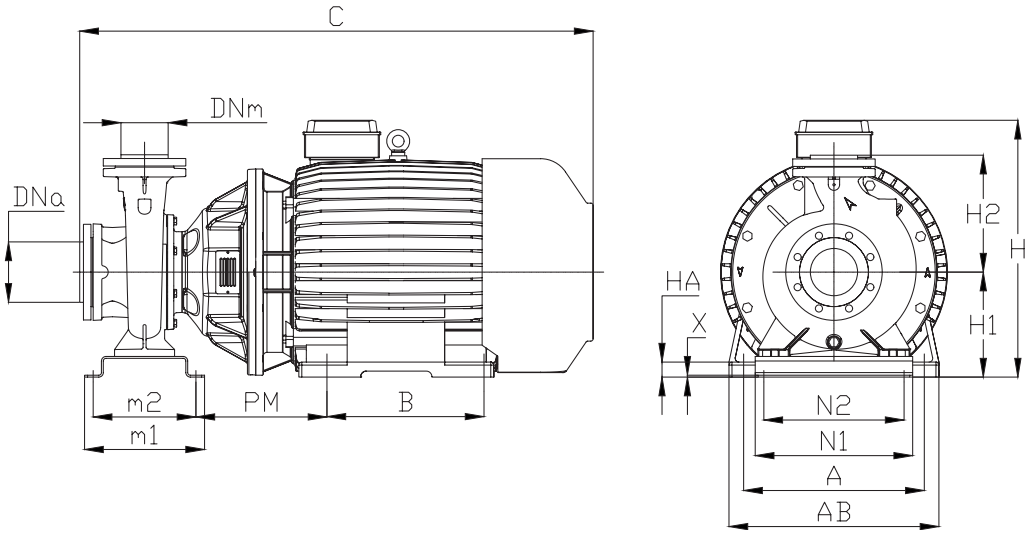


Tolerance: ISO 9906:2012 - Grade 3B
Check pumps availability on pages 90-91-92

100-250


Q [imp g.p.m]
Q [US g.p.m.]
H [m]
H [ft]
Ø 232
Ø 221
Ø 210
A
B
C
Q [m³/h]
Q [l/min]
ηp [%]
P2 [kW]
HP
NPSH [m]
NPSH [ft]

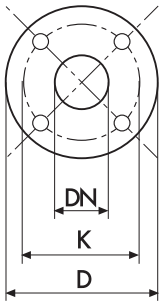
CMG-CMGX ~ *EN 733*



TYPE	DIMENSIONS (mm)																		Kg
	m1	m2	N2	N1	H1	H2	H	A	AB	B	PM	C	HA	DNA	DNM	I	L	M	
80-250B	200	120	315	406	225	317	550	356	435	311	356	1130	28	100	80	655	655	830	440
80-250A	320	280	360	420	280	317	650	406	485	349	325	1240	58			655	655	830	564
100-200B	200	120	280	360	225	321	550	356	435	311	356	1130	28			655	1400	830	442,5
100-200A	320	280	360	420	280	321	650	406	485	349	325	1240	60			655	1400	830	562
100-250C	320	280	360	420	280	321	675	406	485	349	325	1315	60	125	100	655	1400	830	758
100-250B	320	280	360	420	280	321	675	457	545	368	347	1315	35			655	1400	830	760
100-250A	320	280	360	420	280	321	675	457	545	419	347	1370	35			655	1400	830	774

DIMENSIONS (mm)				
DN	D	K	holes	
			n°	Ø
80	200	160	8	18
100	220	180	8	18
125	250	210	8	18

flanges



CMG Serie-Mechanical seal and bearings

MECHANICAL SEAL	PUMP MODEL	SHAFT Ø		STANDARD MATERIAL	OPTIONAL			
					E	V	2E	2V
	80-250, 100-200, 100-250	45mm	***Rotating face*** ***Stationary face*** ***Elastomer***	CrNi-steel Graphite NBR	CrNi-steel Graphite EPDM	CrNi-steel Graphite FKM	SiC SiC EPDM	SiC SiC FKM

MOTOR BEARINGS	PUMP MODEL	TYPE	
	80-250, 100-200	6313-ZZ C3	6313-ZZ C3
	80-250, 100-200, 100-250	6314-ZZ C3	6314-ZZ C3