JOVAL
Tel: +351 253 490 740 | Email: joval@joval.pt
Última atualização: 06/07/2026

FICHA TÉCNICA

Eletrobomba BJ4

Eletrobombas BJ4 compactas e potentes.

Eletrobombas submersíveis multicelulares BJ4 para furos e poços. Concebidas para o bombeamento de águas limpas em aplicações domésticas, agrícolas e industriais. Possuem turbinas flutuantes que garantem uma elevada resistência à areia e durabilidade extrema. Equipadas com válvula de retenção integrada na boca de descarga.

APLICAÇÕES

- Captação de água em furos, reservatórios e cursos de água.
- Abastecimento doméstico de água.
- Rega agrícola e jardins.
- Sistemas hidropneumáticos.

DADOS TÉCNICOS

ESPECIFICAÇÕES TÉCNICAS

Tipo	Bomba centrífuga multicelular
Material	Turbinas em Noryl ou Policarbonato
Instalação	Vertical / Horizontal
Diâmetro	4" (~98mm)
Sand Fighter®	Até 150g/m³

CARACTERÍSTICAS DO MOTOR

Tensão	230 V (1~) / 400 V (3~)
Temperatura Máxima	35° C
Arranques/Hora	Máximo 20 arranques por hora
Boca de Impulsão	1" 1/4 - 2"

DIMENSÕES

Modelo	kW	BJ (kg)	FM (kg)	FT (kg)
41 08	0,3	3,2	10,8	—
41 13	0,4	4,2	12,4	11,1
41 18	0,6	5,4	14,8	13,3
41 23	0,8	6,3	16,9	15,2
41 35	1,1	9,0	21,0	19,4
41 45	1,5	11,9	25,2	23,5
41 65	2,2	16,2	33,9	31,5

DIMENSÕES

Modelo	kW	BJ (kg)	FM (kg)	FT (kg)
41.5 07	0,3	3,2	10,8	—
41.5 09	0,4	3,6	11,8	11,0
41.5 15	0,6	4,3	13,7	12,2
41.5 19	0,8	5,6	16,2	14,5
41.5 29	1,1	7,6	19,6	18,0
41.5 38	1,5	9,7	22,8	21,1
41.5 58	2,2	14,5	32,2	29,9
41.5 74	3,0	17,7	—	35,1

DIMENSÕES

Modelo	kW	BJ (kg)	FM (kg)	FT (kg)
42 07	0,4	3,9	11,4	10,6
42 11	0,6	3,9	13,3	11,8
42 14	0,8	4,2	14,8	13,3
42 21	1,1	6,2	18,2	16,6
42 27	1,5	7,1	20,2	18,5
42 39	2,2	10,0	27,5	22,8
42 50	3,0	13,0	—	30,4
42 70	4,0	17,9	—	38,1

DIMENSÕES

Modelo	kW	BJ (kg)	FM (kg)	FT (kg)
43 06	0,4	3,2	11,4	10,6
43 09	0,6	3,8	13,2	11,7
43 12	0,8	4,5	15,1	13,4
43 18	1,1	6,0	18,0	16,4
43 24	1,5	8,5	21,6	19,9
43 35	2,2	10,0	27,5	22,8
43 47	3,0	12,8	—	30,2
43 60	4,0	16,8	—	37,2
43 78	5,5	21,0	—	48,0

DIMENSÕES

Modelo	kW	BJ (kg)	FM (kg)	FT (kg)
44 05	0,4	3,0	11,2	10,4
44 07	0,6	3,4	12,8	11,3
44 09	0,8	3,8	14,4	12,7
44 14	1,1	4,9	16,9	15,3
44 18	1,5	6,0	19,1	17,4
44 26	2,2	7,7	25,2	20,5
44 35	3,0	10,0	—	27,2

Modelo	kW	BJ (kg)	FM (kg)	FT (kg)
44 47	4,0	13,0	—	33,4
44 60	5,5	16,0	—	43,0
44 78	7,5	20,2	—	51,2

DIMENSÕES

Modelo	kW	BJ (kg)	FM (kg)	FT (kg)
46 04	0,6	2,9	12,3	10,8
46 06	0,8	3,5	14,1	12,4
46 09	1,1	4,5	16,5	14,9
46 12	1,5	5,5	18,6	16,9
46 17	2,2	6,8	24,3	19,6
46 23	3,0	8,7	—	25,9
46 31	4,0	11,2	—	31,6
46 42	5,5	14,3	—	41,3
46 59	7,5	20,1	—	51,1

DIMENSÕES

Modelo	kW	BJ (kg)	FM (kg)	FT (kg)
48 04	0,8	3,0	13,6	11,9
48 07	1,1	3,6	15,6	14,0
48 09	1,5	4,3	17,4	15,7
48 13	2,2	5,7	23,2	18,5
48 17	3,0	6,8	—	22,0
48 23	4,0	8,5	—	28,7
48 31	5,5	11,0	—	38,0
48 42	7,5	14,2	—	45,2

DIMENSÕES

Modelo	kW	BJ (kg)	FM (kg)	FT (kg)
410 05	1,1	4,1	16,1	14,5
410 07	1,5	5,0	18,1	16,4
410 10	2,2	6,5	24,0	19,3
410 15	3,0	9,0	—	24,2
410 20	4,0	11,7	—	32,1
410 26	5,5	14,0	—	41,0
410 35	7,5	18,0	—	49,0

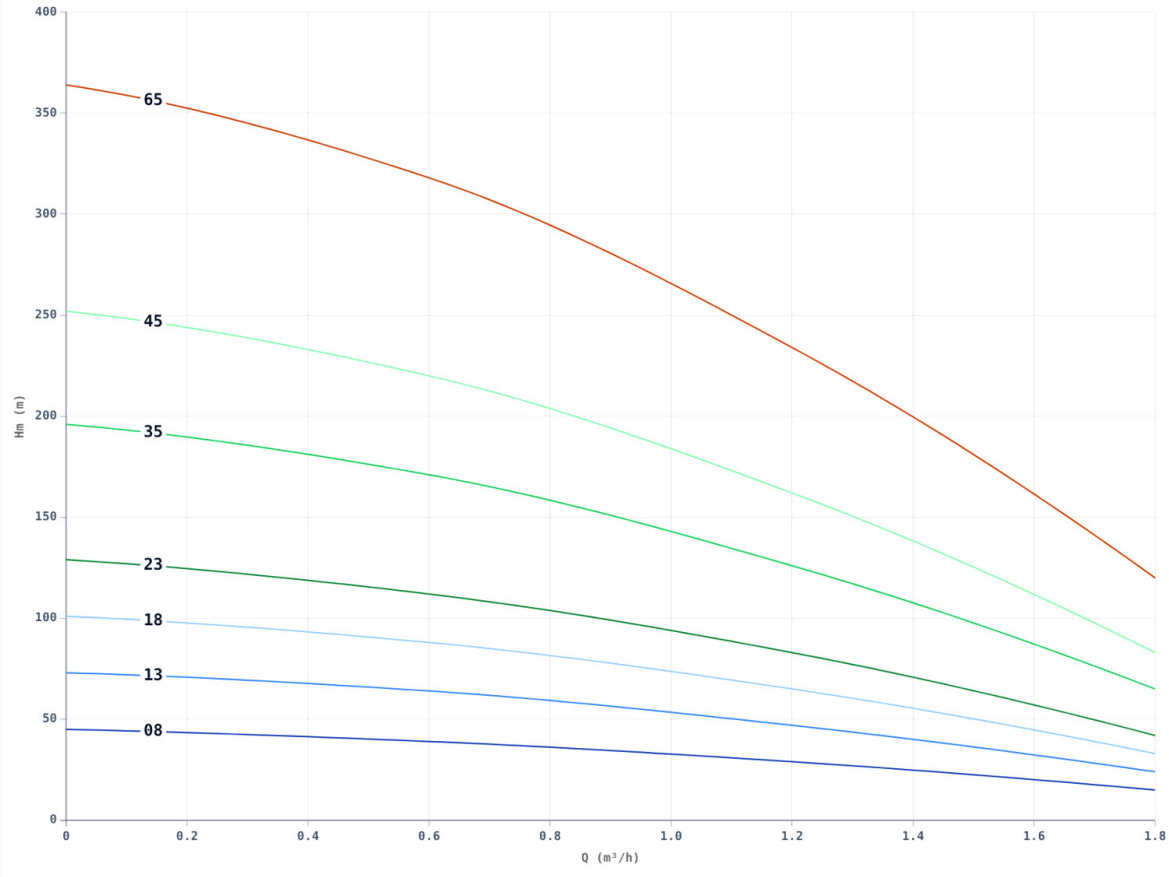
DIMENSÕES

Modelo	kW	BJ (kg)	FM (kg)	FT (kg)
412 04	1,1	3,7	15,7	14,1
412 06	1,5	4,5	17,6	15,9
412 09	2,2	6,1	23,6	18,9
412 12	3,0	7,4	—	22,6
412 16	4,0	9,4	—	29,8
412 22	5,5	12,4	—	39,4
412 29	7,5	15,5	—	46,5

DIMENSÕES

Modelo	kW	BJ (kg)	FM (kg)	FT (kg)
415 05	1,5	4,0	17,1	15,4
415 08	2,2	5,3	22,8	18,1
415 10	3,0	6,5	—	21,7
415 14	4,0	8,5	—	28,7
415 18	5,5	10,8	—	37,8
415 25	7,5	14,2	—	45,2

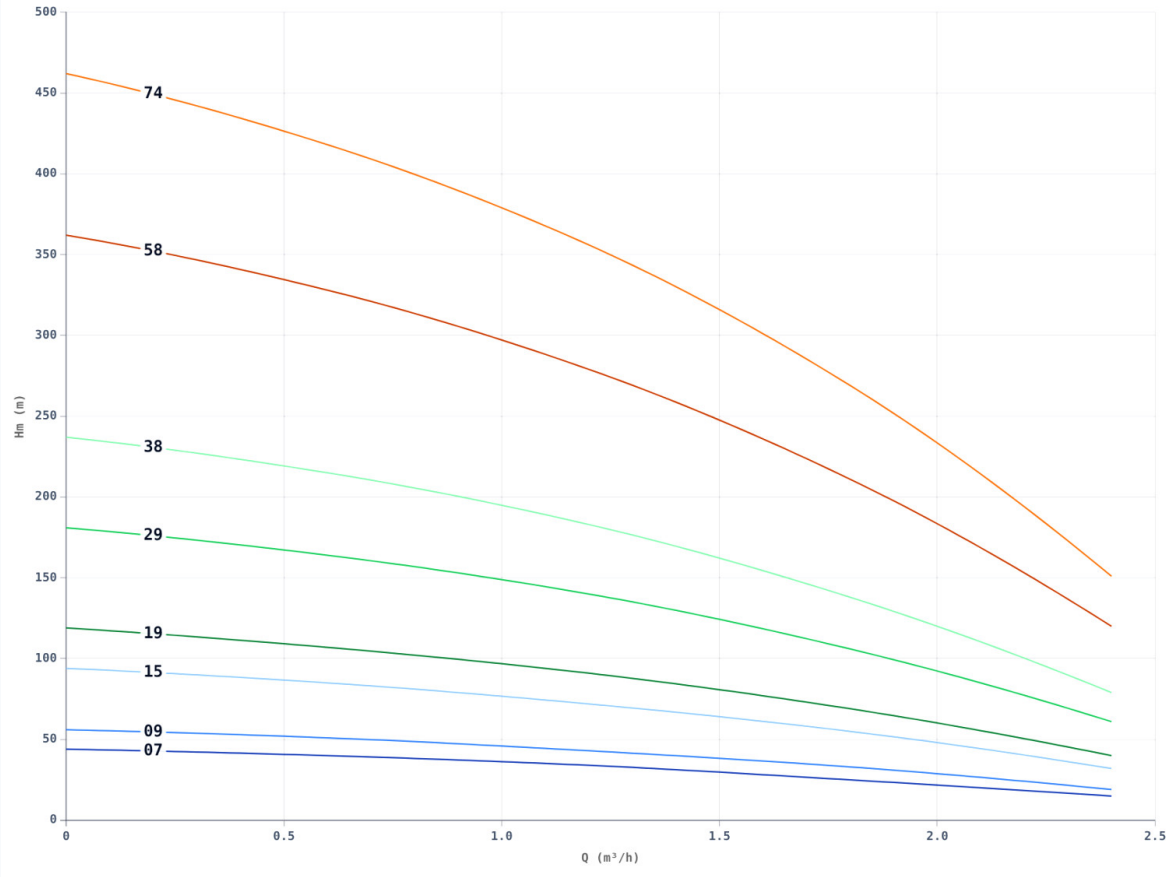
CURVA DE PERFORMANCE (Q - HM)



Curvas de caudal (Q) vs. altura manométrica (Hm)

Modelo	kW	CV	Amp (1~/3~)	m³/h	0	0.6	1.2	1.8
				Hm (m)				
BJ4 41 08	0,25	0,33	—		45,0	39,0	29,0	15,0
BJ4 41 13	0,37	0,50	—		73,0	64,0	47,0	24,0
BJ4 41 18	0,55	0,75	—		101,0	88,0	65,0	33,0
BJ4 41 23	0,75	1,00	—		129,0	112,0	83,0	42,0
BJ4 41 35	1,10	1,50	—		196,0	171,0	126,0	65,0
BJ4 41 45	1,50	2,00	—		252,0	220,0	162,0	83,0
BJ4 41 65	2,20	3,00	—		364,0	318,0	234,0	120,0

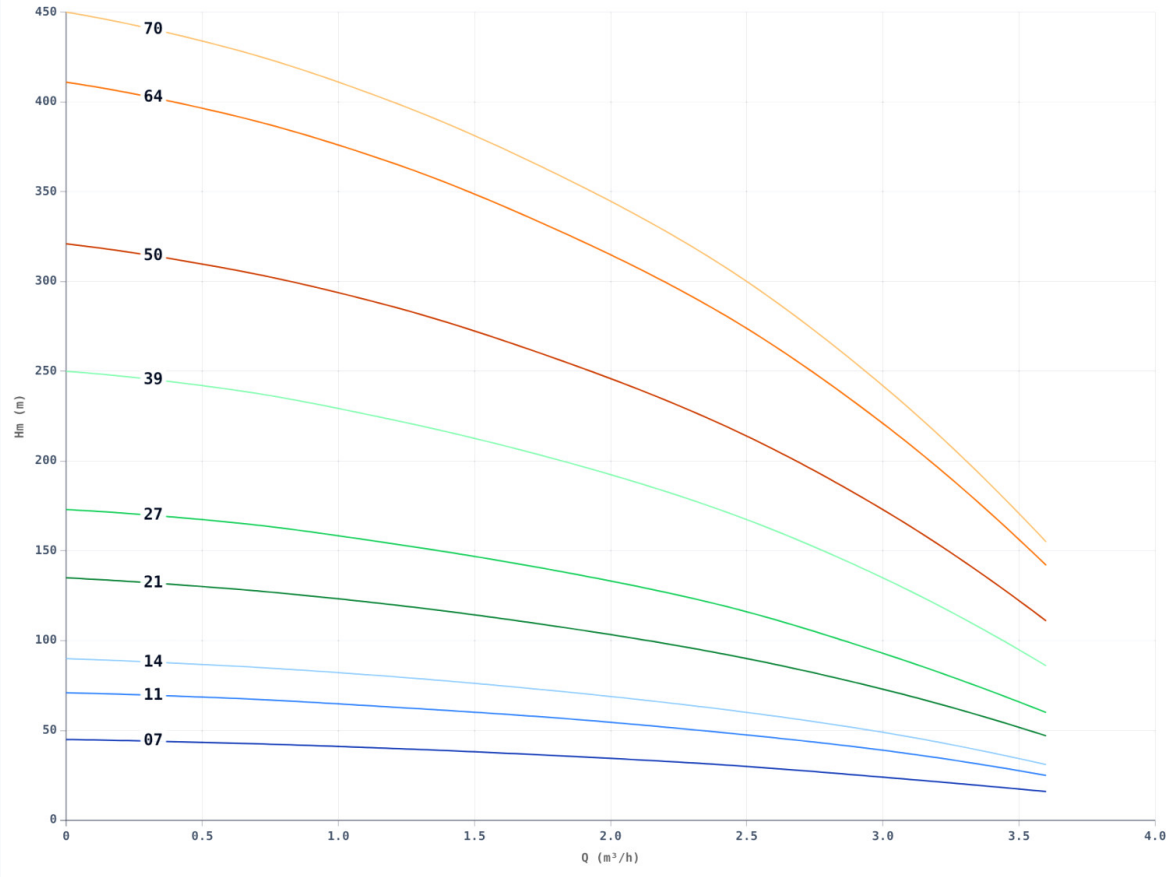
CURVA DE PERFORMANCE (Q - HM)



Curvas de caudal (Q) vs. altura manométrica (Hm)

Modelo	kW	CV	Amp (1~/3~)	m³/h	0	0.6	1.2	1.8	2.4
				Hm (m)					
BJ4 41.5 07	0,25	0,33	—		44,0	40,0	34,0	25,0	15,0
BJ4 41.5 09	0,37	0,50	—		56,0	51,0	43,0	33,0	19,0
BJ4 41.5 15	0,55	0,75	—		94,0	85,0	72,0	55,0	32,0
BJ4 41.5 19	0,75	1,00	—		119,0	107,0	91,0	69,0	40,0
BJ4 41.5 29	1,10	1,50	—		181,0	164,0	140,0	106,0	61,0
BJ4 41.5 38	1,50	2,00	—		237,0	215,0	183,0	138,0	79,0
BJ4 41.5 58	2,20	3,00	—		362,0	328,0	279,0	211,0	120,0
BJ4 41.5 74	3,00	4,00	—		462,0	418,0	356,0	269,0	151,0

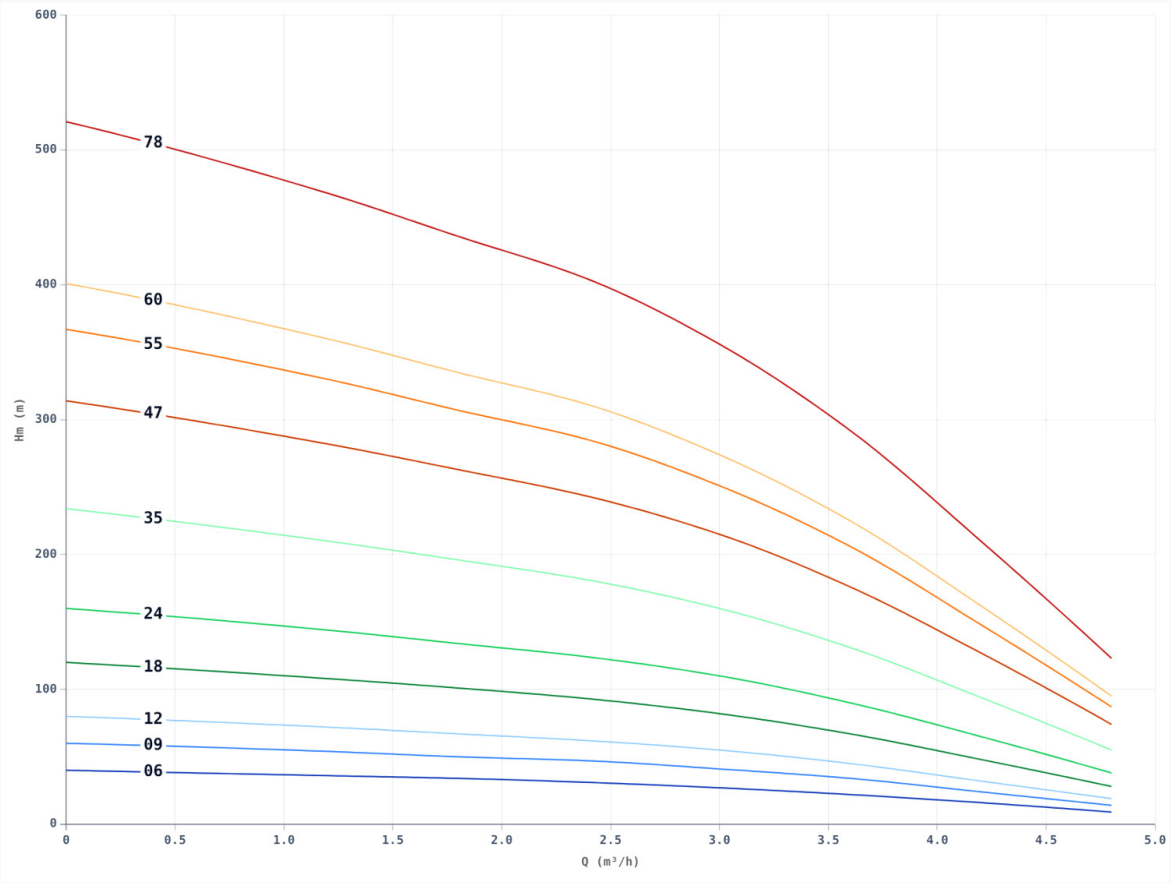
CURVA DE PERFORMANCE (Q - HM)



Curvas de caudal (Q) vs. altura manométrica (Hm)

Modelo	kW	CV	Amp (1~/3~)	m³/h	0	0.6	1.2	1.8	2.4	3	3.6
				Hm (m)							
BJ4 42 07	0,37	0,50	—		45,0	43,0	40,0	36,0	31,0	24,0	16,0
BJ4 42 11	0,55	0,75	—		71,0	68,0	63,0	57,0	49,0	39,0	25,0
BJ4 42 14	0,75	1,00	—		90,0	86,0	80,0	72,0	62,0	49,0	31,0
BJ4 42 21	1,10	1,50	—		135,0	129,0	120,0	108,0	93,0	73,0	47,0
BJ4 42 27	1,50	2,00	—		173,0	166,0	154,0	139,0	120,0	93,0	60,0
BJ4 42 39	2,20	3,00	—		250,0	240,0	223,0	201,0	173,0	135,0	86,0
BJ4 42 50	3,00	4,00	—		321,0	307,0	286,0	257,0	221,0	173,0	111,0
BJ4 42 64	3,70	5,00	—		411,0	393,0	366,0	329,0	283,0	221,0	142,0
BJ4 42 70	4,00	5,50	—		450,0	430,0	400,0	360,0	310,0	242,0	155,0

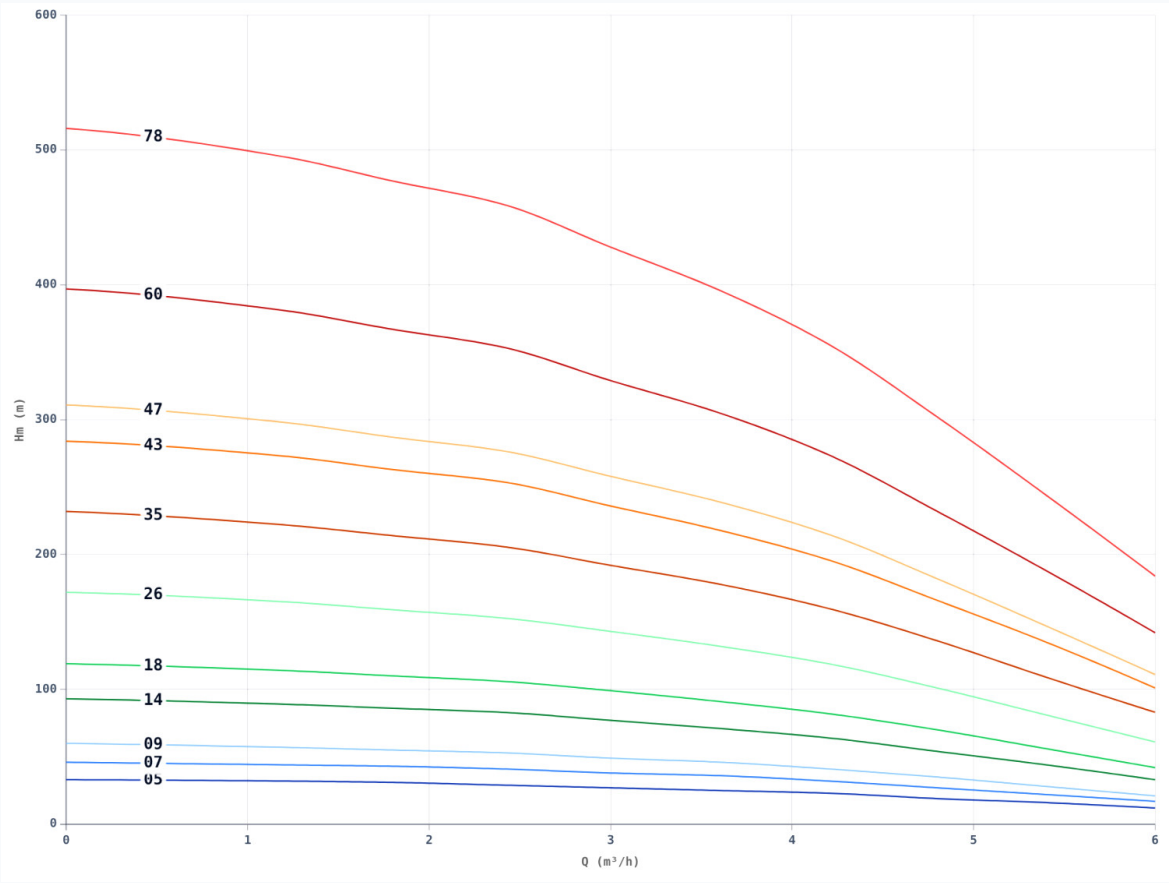
CURVA DE PERFORMANCE (Q - HM)



Curvas de caudal (Q) vs. altura manométrica (Hm)

Modelo	kW	CV	Amp (1~/3~)	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
				Hm (m)									
BJ4 43 06	0,37	0,50	—		40,0		36,0	34,0	31,0	27,0	22,0	16,0	9,0
BJ4 43 09	0,55	0,75	—		60,0		54,0	50,0	47,0	41,0	34,0	24,0	14,0
BJ4 43 12	0,75	1,00	—		80,0		72,0	67,0	62,0	55,0	45,0	32,0	19,0
BJ4 43 18	1,10	1,50	—		120,0		108,0	101,0	93,0	82,0	67,0	48,0	28,0
BJ4 43 24	1,50	2,00	—		160,0		144,0	134,0	124,0	110,0	90,0	65,0	38,0
BJ4 43 35	2,20	3,00	—		234,0		210,0	196,0	181,0	160,0	131,0	94,0	55,0
BJ4 43 47	3,00	4,00	—		314,0		282,0	263,0	243,0	215,0	176,0	127,0	74,0
BJ4 43 55	3,70	5,00	—		367,0		330,0	307,0	285,0	251,0	206,0	148,0	87,0
BJ4 43 60	4,00	5,50	—		401,0		360,0	335,0	311,0	274,0	225,0	162,0	95,0
BJ4 43 78	5,50	7,50	—		521,0		468,0	436,0	404,0	356,0	292,0	210,0	123,0

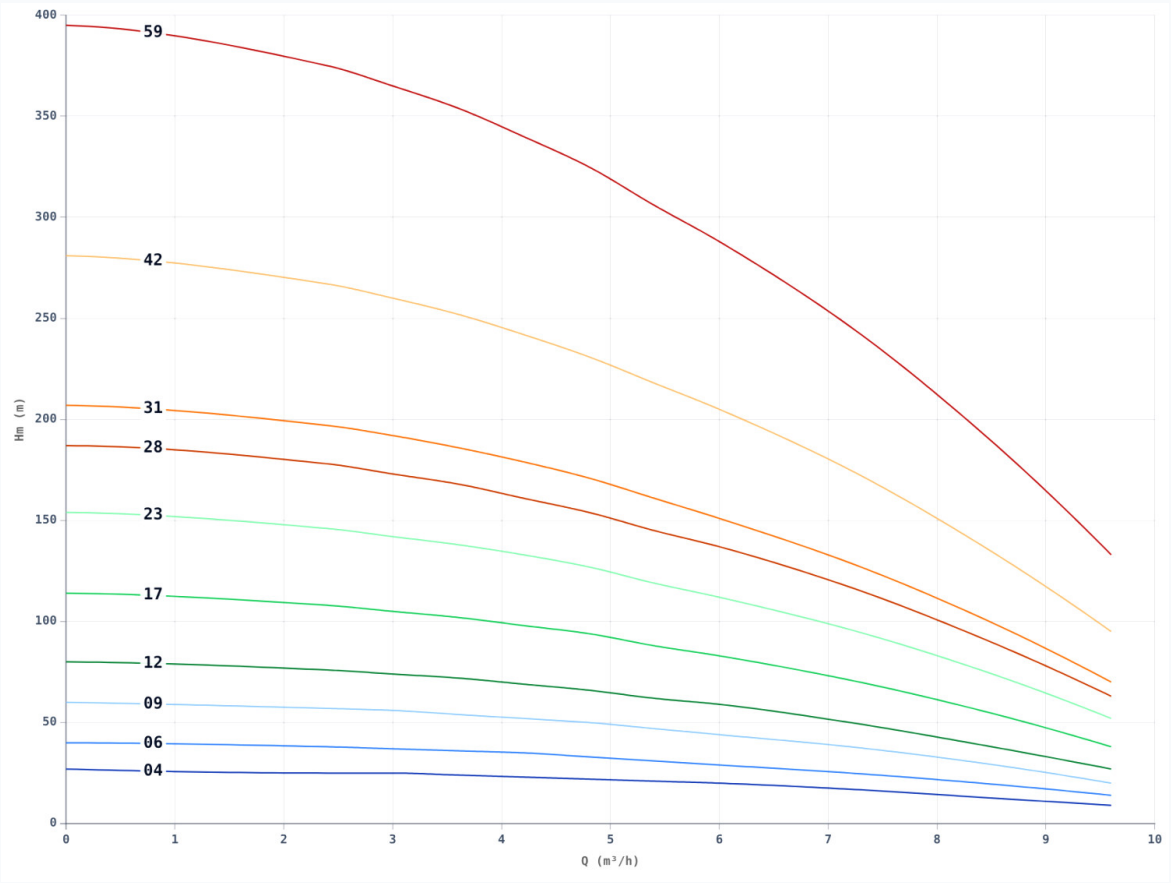
CURVA DE PERFORMANCE (Q - HM)



Curvas de caudal (Q) vs. altura manométrica (Hm)

Modelo	kW	CV	Amp (1~/3~)	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
				Hm (m)											
BJ4 44 05	0,37	0,50	—		33,0		32,0	31,0	29,0	27,0	25,0	23,0	19,0	16,0	12,0
BJ4 44 07	0,55	0,75	—		46,0		44,0	43,0	41,0	38,0	36,0	32,0	27,0	22,0	17,0
BJ4 44 09	0,75	1,00	—		60,0		57,0	55,0	53,0	49,0	46,0	41,0	35,0	28,0	21,0
BJ4 44 14	1,10	1,50	—		93,0		89,0	86,0	83,0	77,0	71,0	64,0	54,0	44,0	33,0
BJ4 44 18	1,50	2,00	—		119,0		114,0	110,0	106,0	99,0	91,0	82,0	70,0	56,0	42,0
BJ4 44 26	2,20	3,00	—		172,0		165,0	159,0	153,0	143,0	132,0	119,0	101,0	81,0	61,0
BJ4 44 35	3,00	4,00	—		232,0		222,0	214,0	206,0	192,0	178,0	160,0	136,0	109,0	83,0
BJ4 44 43	3,70	5,00	—		284,0		273,0	263,0	254,0	236,0	218,0	196,0	166,0	135,0	101,0
BJ4 44 47	4,00	5,50	—		311,0		298,0	287,0	277,0	258,0	239,0	215,0	182,0	147,0	111,0
BJ4 44 60	5,50	7,50	—		397,0		381,0	367,0	354,0	329,0	305,0	274,0	232,0	188,0	142,0
BJ4 44 78	7,50	10,00	—		516,0		495,0	477,0	460,0	428,0	396,0	356,0	302,0	244,0	184,0

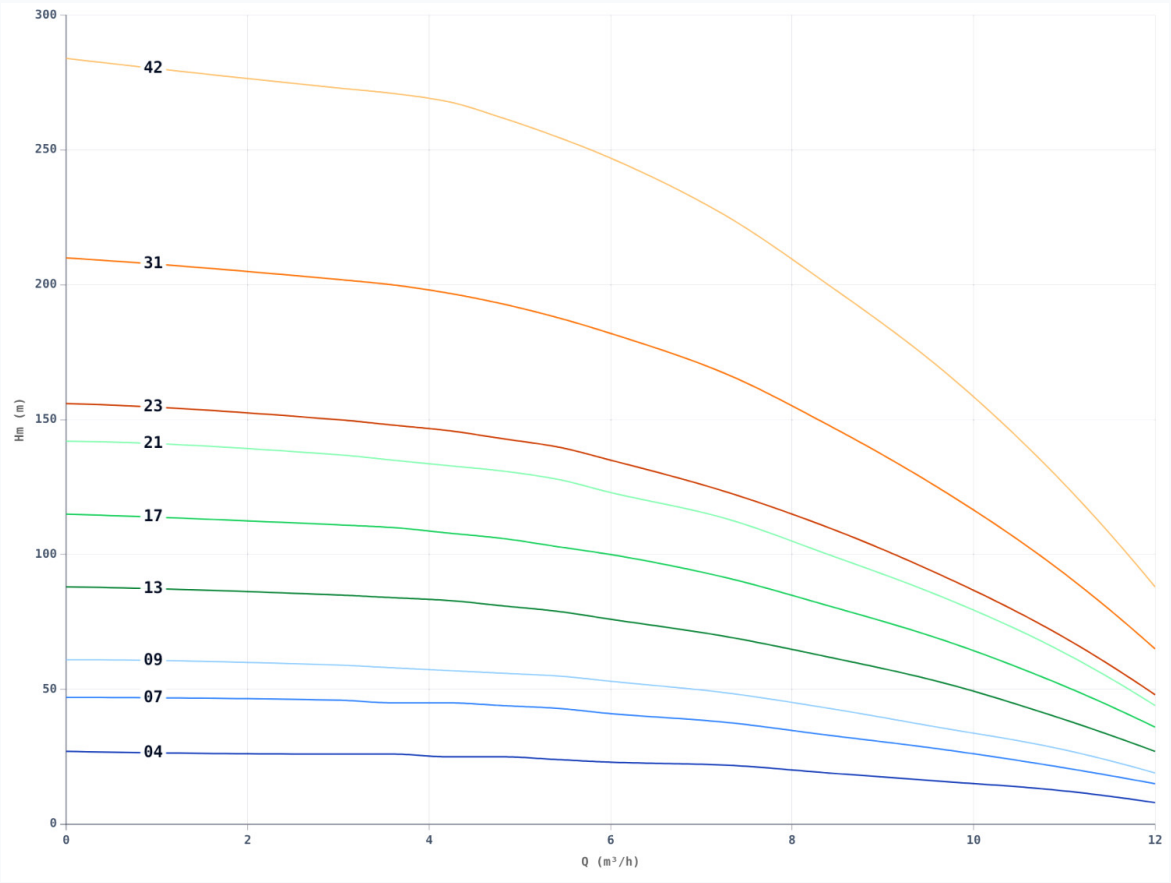
CURVA DE PERFORMANCE (Q - HM)



Curvas de caudal (Q) vs. altura manométrica (Hm)

Modelo	kW	CV	Amp (1~/3~)	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	7.2	8.4	9.6
				Hm (m)														
BJ4 46 04	0,55	0,75	—		27,0				25,0	25,0	24,0	23,0	22,0	21,0	20,0	17,0	13,0	9,0
BJ4 46 06	0,75	1,00	—		40,0				38,0	37,0	36,0	35,0	33,0	31,0	29,0	25,0	20,0	14,0
BJ4 46 09	1,10	1,50	—		60,0				57,0	56,0	54,0	52,0	50,0	47,0	44,0	38,0	30,0	20,0
BJ4 46 12	1,50	2,00	—		80,0				76,0	74,0	72,0	69,0	66,0	62,0	59,0	50,0	39,0	27,0
BJ4 46 17	2,20	3,00	—		114,0				108,0	105,0	102,0	98,0	94,0	88,0	83,0	71,0	56,0	38,0
BJ4 46 23	3,00	4,00	—		154,0				146,0	142,0	138,0	133,0	127,0	119,0	112,0	96,0	76,0	52,0
BJ4 46 28	3,70	5,00	—		187,0				178,0	173,0	168,0	161,0	154,0	145,0	137,0	117,0	92,0	63,0
BJ4 46 31	4,00	5,50	—		207,0				197,0	192,0	186,0	179,0	171,0	161,0	151,0	129,0	102,0	70,0
BJ4 46 42	5,50	7,50	—		281,0				267,0	260,0	252,0	242,0	231,0	218,0	205,0	175,0	138,0	95,0
BJ4 46 59	7,50	10,00	—		395,0				375,0	365,0	354,0	340,0	325,0	306,0	288,0	246,0	194,0	133,0

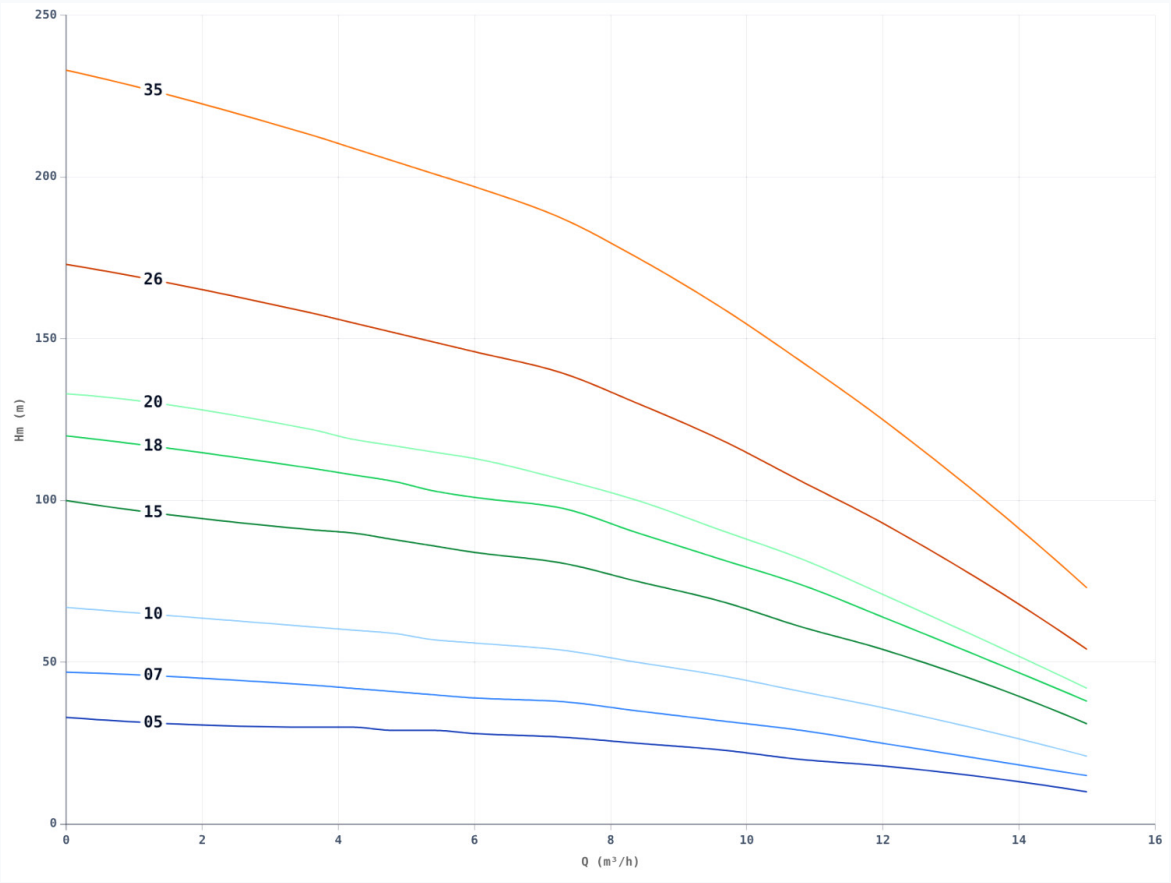
CURVA DE PERFORMANCE (Q - HM)



Curvas de caudal (Q) vs. altura manométrica (Hm)

Modelo	kW	CV	Amp (1~/3~)	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	7.2	8.4	9.6	10.8	12
				Hm (m)																
BJ4 48 04	0,75	1,00	—		27,0					26,0	26,0	25,0	25,0	24,0	23,0	22,0	19,0	16,0	13,0	8,0
BJ4 48 07	1,10	1,50	—		47,0					46,0	45,0	45,0	44,0	43,0	41,0	38,0	33,0	28,0	22,0	15,0
BJ4 48 09	1,50	2,00	—		61,0					59,0	58,0	57,0	56,0	55,0	53,0	49,0	43,0	36,0	29,0	19,0
BJ4 48 13	2,20	3,00	—		88,0					85,0	84,0	83,0	81,0	79,0	76,0	70,0	62,0	53,0	41,0	27,0
BJ4 48 17	3,00	4,00	—		115,0					111,0	110,0	108,0	106,0	103,0	100,0	92,0	81,0	69,0	54,0	36,0
BJ4 48 21	3,70	5,00	—		142,0					137,0	135,0	133,0	131,0	128,0	123,0	114,0	100,0	85,0	67,0	44,0
BJ4 48 23	4,00	5,50	—		156,0					150,0	148,0	146,0	143,0	140,0	135,0	124,0	110,0	93,0	73,0	48,0
BJ4 48 31	5,50	7,50	—		210,0					202,0	200,0	197,0	193,0	188,0	182,0	168,0	148,0	125,0	98,0	65,0
BJ4 48 42	7,50	10,00	—		284,0					273,0	271,0	268,0	262,0	255,0	247,0	227,0	200,0	170,0	133,0	88,0

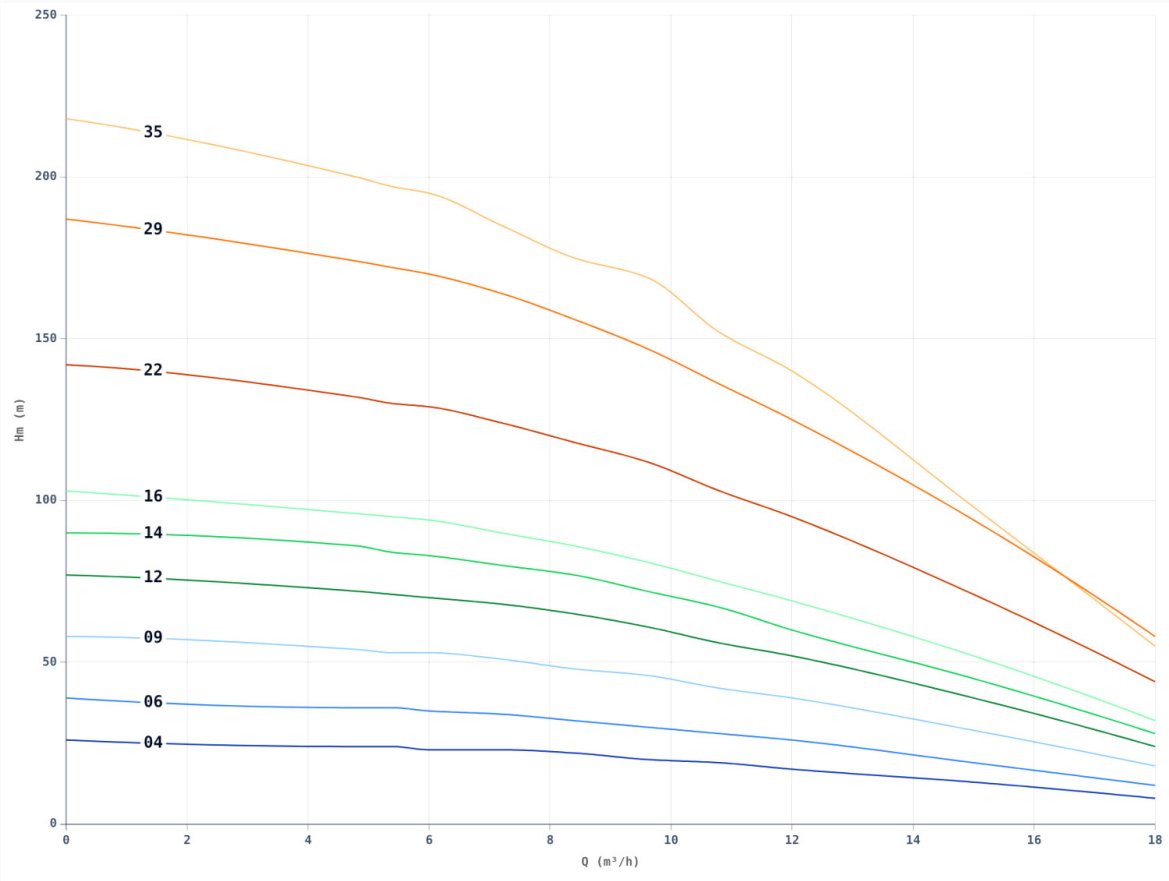
CURVA DE PERFORMANCE (Q - HM)



Curvas de caudal (Q) vs. altura manométrica (Hm)

Modelo	kW	CV	Amp (1~/3~)	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	7.2	8.4	9.6	10.8	12	15
				Hm (m)																	
BJ4 410 05	1,10	1,50	—		33,0						30,0	30,0	29,0	29,0	28,0	27,0	25,0	23,0	20,0	18,0	10,0
BJ4 410 07	1,50	2,00	—		47,0						43,0	42,0	41,0	40,0	39,0	38,0	35,0	32,0	29,0	25,0	15,0
BJ4 410 10	2,20	3,00	—		67,0						61,0	60,0	59,0	57,0	56,0	54,0	50,0	46,0	41,0	36,0	21,0
BJ4 410 15	3,00	4,00	—		100,0						91,0	90,0	88,0	86,0	84,0	81,0	75,0	69,0	61,0	54,0	31,0
BJ4 410 18	3,70	5,00	—		120,0						110,0	108,0	106,0	103,0	101,0	98,0	90,0	82,0	74,0	64,0	38,0
BJ4 410 20	4,00	5,50	—		133,0						122,0	119,0	117,0	115,0	113,0	107,0	100,0	91,0	82,0	71,0	42,0
BJ4 410 26	5,50	7,50	—		173,0						158,0	155,0	152,0	149,0	146,0	140,0	130,0	119,0	106,0	93,0	54,0
BJ4 410 35	7,50	10,00	—		233,0						213,0	209,0	205,0	201,0	197,0	188,0	175,0	160,0	143,0	125,0	73,0

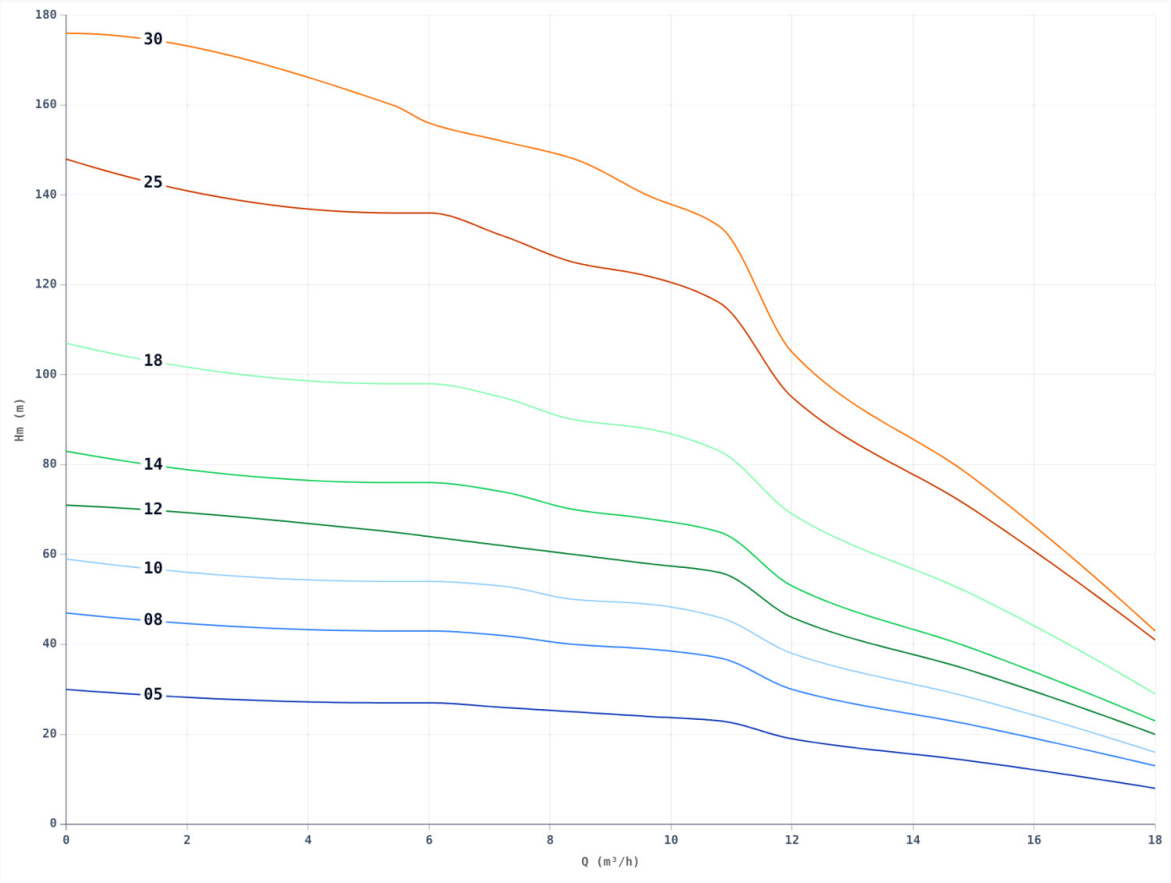
CURVA DE PERFORMANCE (Q - HM)



Curvas de caudal (Q) vs. altura manométrica (Hm)

Modelo	kW	CV	Amp (1~/3~)	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	7.2	8.4	9.6	10.8	12	15	18
				Hm (m)																		
BJ4 412 04	1,10	1,50	—		26,0								24,0	24,0	23,0	23,0	22,0	20,0	19,0	17,0	13,0	8,0
BJ4 412 06	1,50	2,00	—		39,0								36,0	36,0	35,0	34,0	32,0	30,0	28,0	26,0	19,0	12,0
BJ4 412 09	2,20	3,00	—		58,0								54,0	53,0	53,0	51,0	48,0	46,0	42,0	39,0	29,0	18,0
BJ4 412 12	3,00	4,00	—		77,0								72,0	71,0	70,0	68,0	65,0	61,0	56,0	52,0	39,0	24,0
BJ4 412 14	3,70	5,00	—		90,0								86,0	84,0	83,0	80,0	77,0	72,0	67,0	60,0	45,0	28,0
BJ4 412 16	4,00	5,50	—		103,0								96,0	95,0	94,0	90,0	86,0	81,0	75,0	69,0	52,0	32,0
BJ4 412 22	5,50	7,50	—		142,0								132,0	130,0	129,0	124,0	118,0	112,0	103,0	95,0	71,0	44,0
BJ4 412 29	7,50	10,00	—		187,0								174,0	172,0	170,0	164,0	156,0	147,0	136,0	125,0	94,0	58,0
BJ4 412 35	9,30	12,50	—		218,0								200,0	197,0	195,0	185,0	175,0	169,0	152,0	140,0	98,0	55,0

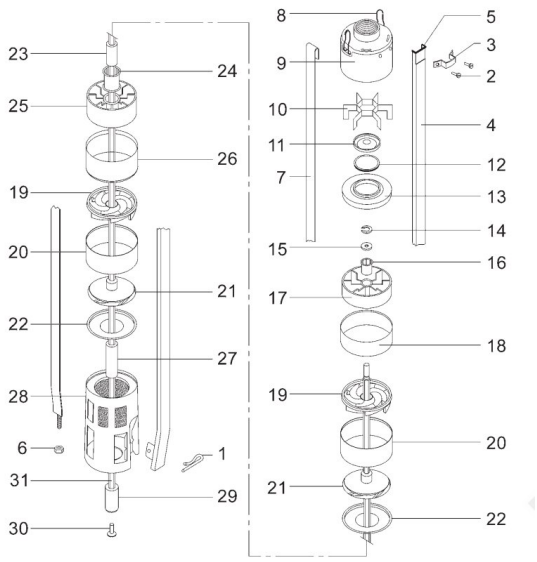
CURVA DE PERFORMANCE (Q - HM)



Curvas de caudal (Q) vs. altura manométrica (Hm)

Modelo	kW	CV	Amp (1~/3~)	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	7.2	8.4	9.6	10.8	12	15	18
				Hm (m)																		
BJ4 415 05	1,50	2,00	—		30,0									27,0	27,0	26,0	25,0	24,0	23,0	19,0	14,0	8,0
BJ4 415 08	2,20	3,00	—		47,0									43,0	43,0	42,0	40,0	39,0	37,0	30,0	22,0	13,0
BJ4 415 10	3,00	4,00	—		59,0									54,0	54,0	53,0	50,0	49,0	46,0	38,0	28,0	16,0
BJ4 415 12	3,70	5,00	—		71,0									65,0	64,0	62,0	60,0	58,0	56,0	46,0	34,0	20,0
BJ4 415 14	4,00	5,50	—		83,0									76,0	76,0	74,0	70,0	68,0	65,0	53,0	39,0	23,0
BJ4 415 18	5,50	7,50	—		107,0									98,0	98,0	95,0	90,0	88,0	83,0	69,0	51,0	29,0
BJ4 415 25	7,50	10,00	—		148,0									136,0	136,0	131,0	125,0	122,0	116,0	95,0	70,0	41,0
BJ4 415 30	9,30	12,50	—		176,0									160,0	156,0	152,0	148,0	140,0	133,0	105,0	77,0	43,0

LISTA DE MATERIAIS



Pos.	Descrição
1	Cavilha
2	Parafuso
3	Abraçadeira
4	Calha protectora do cabo
5	Borracha de protecção
6	Porca
7	Tirante
8	Gancho de suporte
9	Suporte superior
10	Guia de válvula
11	Válvula
12	O'ring
13	Base de válvula
14	Freio
15	Anilha
16	Casquilho da guia superior
17	Guia superior
18	Argola da guia superior
19	Difusor
20	Argola do difusor
21	Turbinas
22	Tampa do difusor
23	Casquilho
24	Casquilho da guia central
25	Guia central
26	Argola da guia central
27	Casquilho inferior
28	Câmara aspirante
29	Cardan
30	Parafuso
31	Veio da bomba