JOVAL
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TECHNICAL DATASHEET

BJ6 Submersible Pumps

High-flow BJ6 submersible pumps for deep boreholes.

BJ6 multistage centrifugal submersible pumps for clean water in boreholes and reservoirs. Built in AISI 304 stainless steel with radial or semi-axial impellers, providing high mechanical strength for water supply, irrigation and pressurization. Includes 36-month warranty.

APPLICATIONS

- Abastecimento doméstico e industrial
- Rega agrícola e pressurização
- Captação em furos e reservatórios

TECHNICAL DATA

CARACTERÍSTICAS TÉCNICAS

Caudal Máx	66 m³/h
Altura Máx	505 m
Saída	2½" (Séries 611, 614, 621) e 3" (Séries 627, 636, 648)
Diâmetro da Bomba	140 mm (6")
Potência	2,2 kW a 45 kW
Rotação	2850 rpm
Tensão	Trifásica 400V

CONSTRUÇÃO

Tipo	Centrífuga multicelular (Turbinas radiais ou semi-axiais)
Turbinas	Noryl com componentes em inox
Difusores	Noryl
Corpo Exterior	Aço Inox AISI 304
Veio	Aço Inox AISI 316
Acoplamento	Norma NEMA

DIMENSÕES

Model	Altura (mm)	Weight (kg)
611 05	552,0	9,7
611 07	634,0	11,2
611 09	725,0	12,8
611 12	848,0	15,1
611 16	1.172,0	18,2
611 20	1.176,0	21,3
611 24	1.412,0	24,7
611 28	1.576,0	27,8
611 32	1.740,0	30,9

DIMENSÕES

Model	Altura (mm)	Weight (kg)
614 04	511,0	8,9
614 05	552,0	9,7
614 07	643,0	11,2
614 09	725,0	12,8
614 12	848,0	15,1
614 15	971,0	17,4
614 18	1.094,0	19,8
614 20	1.176,0	21,3
614 23*	1.371,0	23,9
614 29*	1.617,0	28,6

DIMENSÕES

Model	Altura (mm)	Weight (kg)
621 04	579,0	9,9
621 05	637,0	10,9
621 07	762,0	13,0
621 09	878,0	15,1
621 12	1.052,0	18,2
621 15	1.226,0	21,3
621 18*	1.400,0	24,4
621 21*	1.574,0	27,5
621 24*	1.748,0	30,6
621 30*	2.096,0	36,8
621 35*	2.386,0	41,9

DIMENSÕES

Model	Altura (mm)	Weight (kg)
627 03	536,0	9,2
627 04	599,0	10,4
627 05	671,0	11,6
627 06	734,0	12,7
627 08	860,0	15,0
627 10	986,0	17,3
627 12	1.112,0	19,6
627 14	1.238,0	22,0
627 16*	1.364,0	24,3
627 20*	1.616,0	28,9
627 24*	1.868,0	33,5
627 28*	2.120,0	38,1
627 32*	2.372,0	42,7

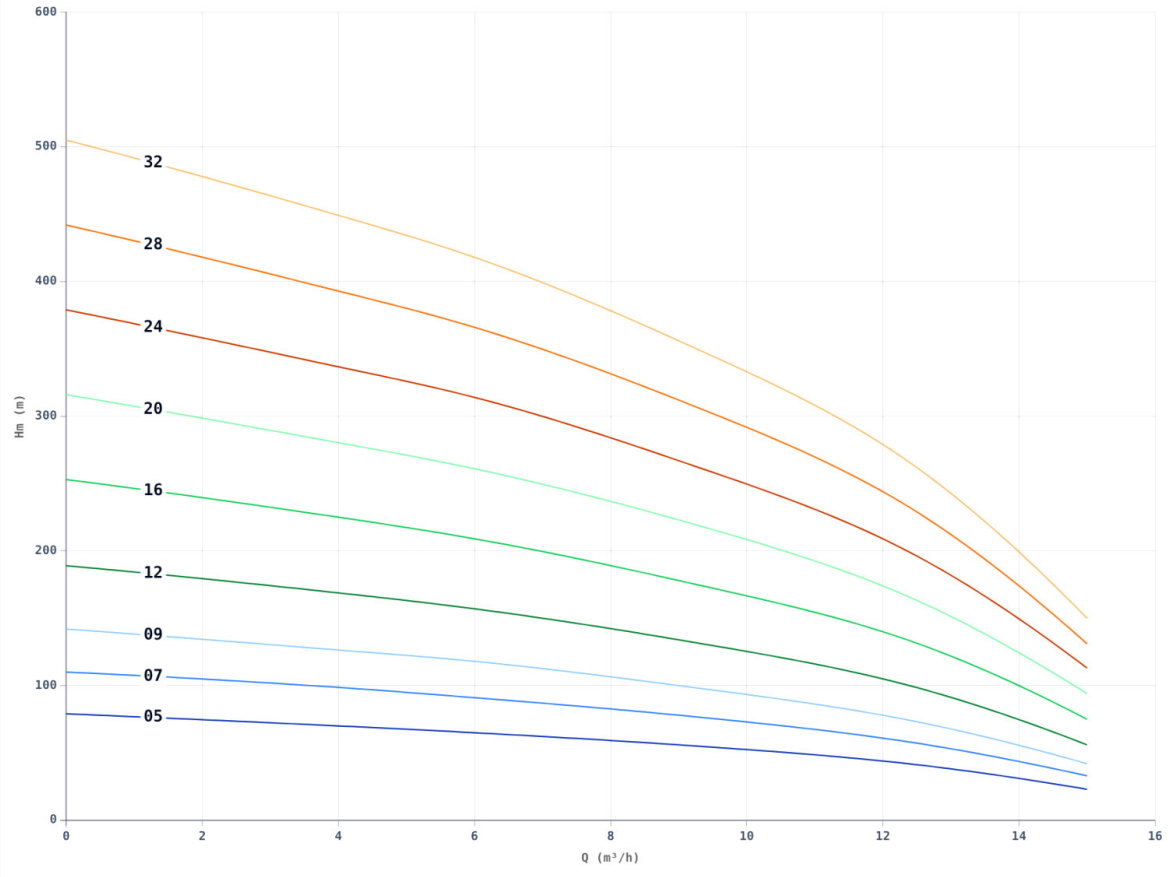
DIMENSÕES

Model	Altura (mm)	Weight (kg)
636 03	536,0	9,1
636 04	608,0	10,3
636 05	671,0	11,4
636 06	734,0	12,5
636 08	860,0	14,7
636 09	923,0	15,8
636 10	986,0	16,9
636 12	1.112,0	19,2
636 15	1.301,0	22,5
636 18*	1.490,0	25,8
636 21*	1.679,0	29,2
636 24*	1.868,0	32,5
636 30*	2.246,0	39,2

DIMENSÕES

Model	Altura (mm)	Weight (kg)
648 03	560,0	9,3
648 04	628,0	10,5
648 05	696,0	11,7
648 06	764,0	12,9
648 07	832,0	14,0
648 09	968,0	16,4
648 10	1.036,0	17,5
648 12	1.172,0	19,9
648 15*	1.376,0	23,4
648 17*	1.512,0	25,7
648 20*	1.716,0	29,3
648 25*	2.056,0	35,1
648 30*	2.396,0	41,0

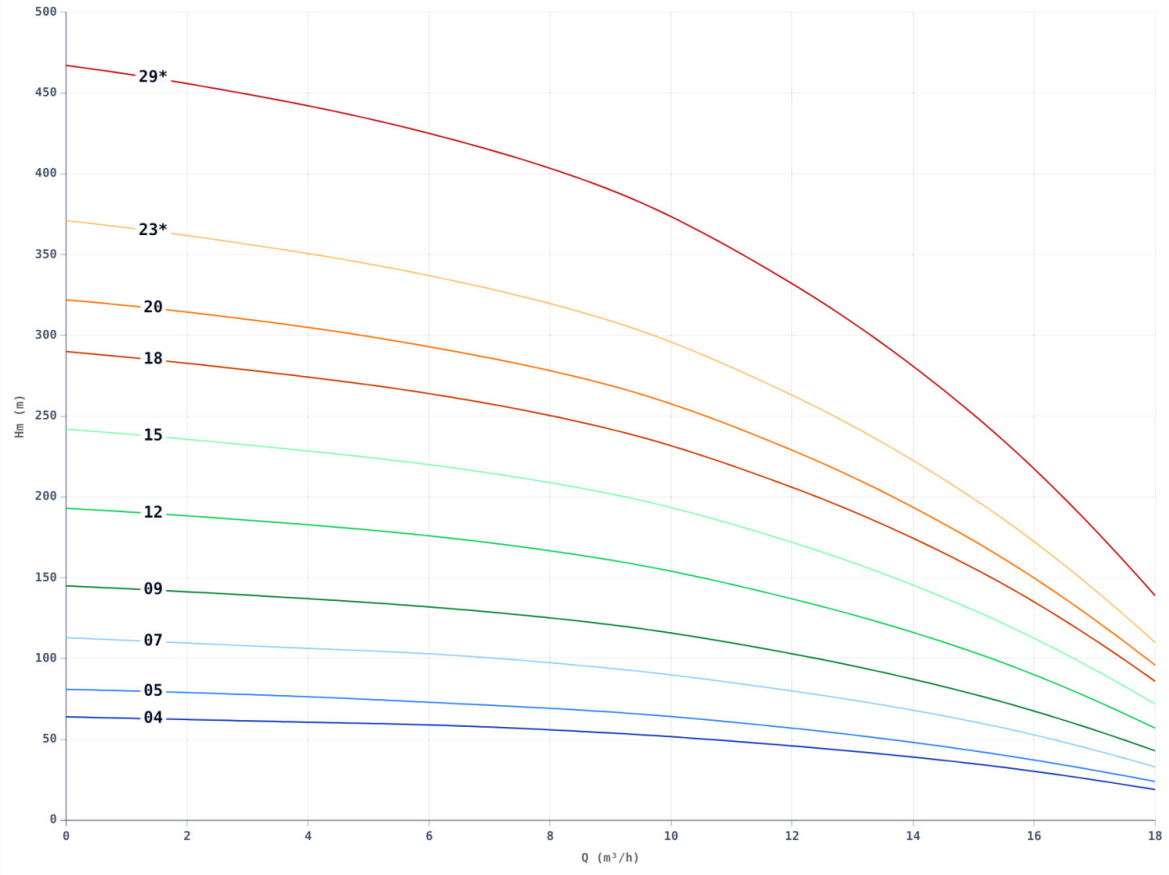
CURVA DE PERFORMANCE (Q - HM)



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

Model	kW	HP	Amperage	m³/h	0	3.6	6	9	12	15
				Hm (m)						
611 05	2,20	3,00	5,90		79,0	71,0	65,0	56,0	44,0	23,0
611 07	3,00	4,00	7,80		110,0	100,0	91,0	78,0	61,0	33,0
611 09	4,00	5,50	9,30		142,0	128,0	118,0	100,0	78,0	42,0
611 12	5,50	7,50	12,50		189,0	171,0	157,0	134,0	105,0	56,0
611 16	7,50	10,00	16,00		253,0	228,0	209,0	178,0	140,0	75,0
611 20	9,30	12,50	20,70		316,0	284,0	261,0	223,0	174,0	94,0
611 24	11,00	15,00	23,30		379,0	341,0	314,0	267,0	209,0	113,0
611 28	13,00	17,50	29,50		442,0	398,0	366,0	312,0	244,0	131,0
611 32	15,00	20,00	31,30		505,0	455,0	418,0	356,0	279,0	150,0

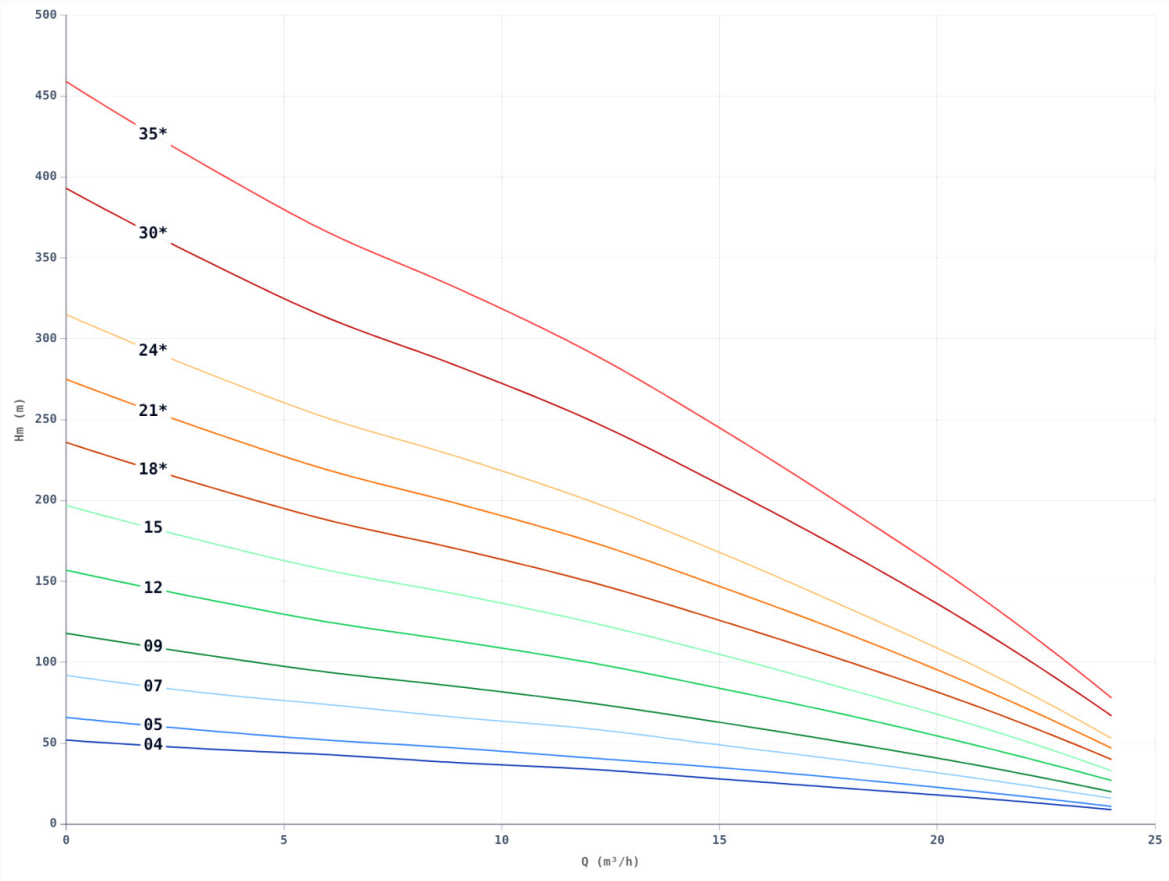
CURVA DE PERFORMANCE (Q - HM)



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

Model	kW	HP	Amperage	m³/h	0	3.6	6	9	12	15	18
				Hm (m)							
614 04	2,20	3,00	5,90		64,0	61,0	59,0	54,0	46,0	35,0	19,0
614 05	3,00	4,00	7,80		81,0	77,0	73,0	67,0	57,0	43,0	24,0
614 07	4,00	5,50	9,30		113,0	107,0	103,0	94,0	80,0	61,0	33,0
614 09	5,50	7,50	12,50		145,0	138,0	132,0	121,0	103,0	78,0	43,0
614 12	7,50	10,00	16,00		193,0	184,0	176,0	161,0	137,0	104,0	57,0
614 15	9,30	12,50	20,70		242,0	230,0	220,0	202,0	172,0	130,0	72,0
614 18	11,00	15,00	23,30		290,0	276,0	264,0	242,0	206,0	156,0	86,0
614 20	13,00	17,50	29,50		322,0	307,0	293,0	269,0	229,0	173,0	96,0
614 23*	15,00	20,00	31,30		371,0	353,0	337,0	309,0	263,0	199,0	110,0
614 29*	18,50	25,00	38,50		467,0	445,0	425,0	390,0	332,0	251,0	139,0

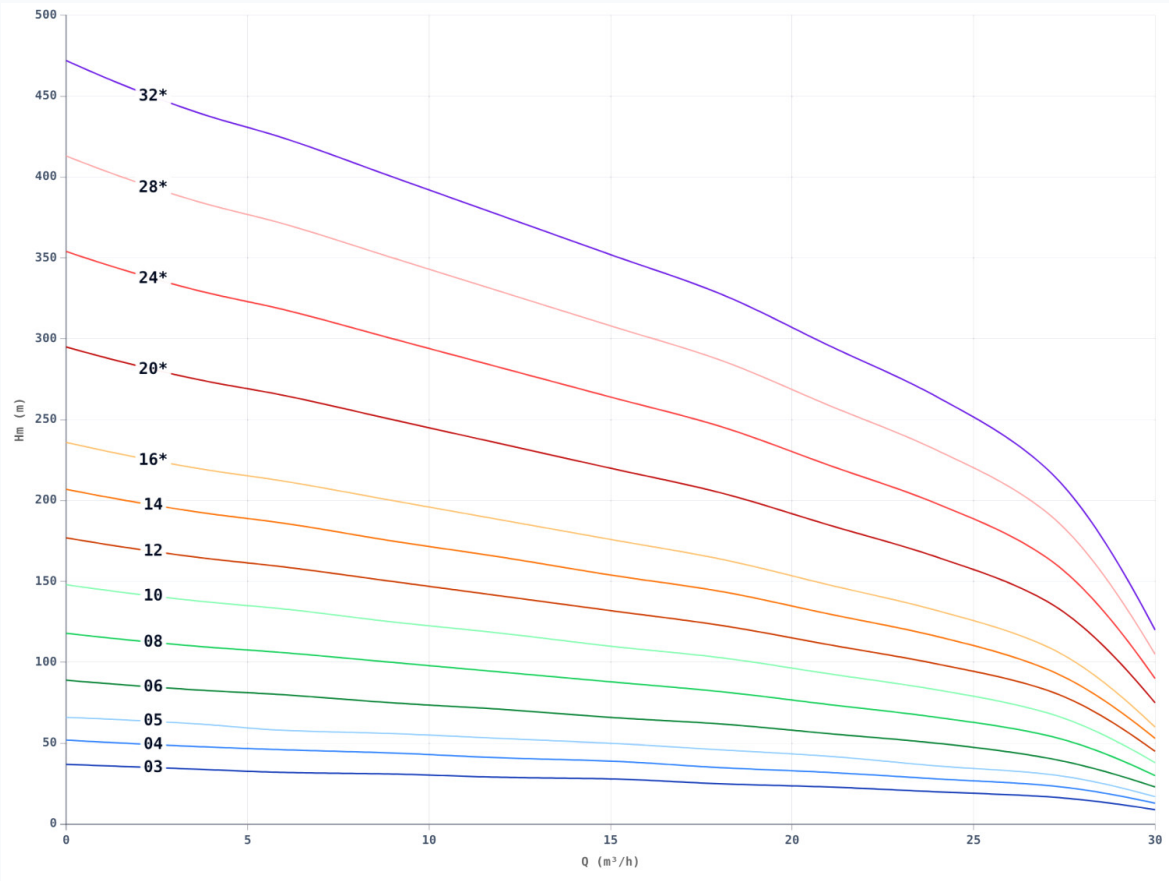
CURVA DE PERFORMANCE (Q - HM)



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

Model	kW	HP	Amperage	m³/h	0	3.6	6	9	12	15	18	21	24
				Hm (m)									
621 04	2,20	3,00	5,90		52,0	46,0	43,0	38,0	34,0	28,0	22,0	16,0	9,0
621 05	3,00	4,00	7,80		66,0	57,0	52,0	47,0	41,0	35,0	28,0	20,0	11,0
621 07	4,00	5,50	9,30		92,0	80,0	74,0	66,0	59,0	49,0	39,0	28,0	16,0
621 09	5,50	7,50	12,50		118,0	103,0	94,0	85,0	75,0	63,0	50,0	36,0	20,0
621 12	7,50	10,00	16,00		157,0	137,0	125,0	113,0	100,0	84,0	67,0	48,0	27,0
621 15	9,30	12,50	20,70		197,0	172,0	157,0	142,0	125,0	105,0	83,0	60,0	33,0
621 18*	11,00	15,00	23,30		236,0	206,0	188,0	170,0	150,0	126,0	100,0	72,0	40,0
621 21*	13,00	17,50	29,50		275,0	240,0	219,0	198,0	175,0	147,0	117,0	84,0	47,0
621 24*	15,00	20,00	31,30		315,0	275,0	251,0	227,0	200,0	168,0	133,0	96,0	53,0
621 30*	18,50	25,00	38,50		393,0	343,0	313,0	283,0	250,0	210,0	167,0	120,0	67,0
621 35*	22,00	30,00	45,30		459,0	401,0	366,0	331,0	292,0	245,0	194,0	140,0	78,0

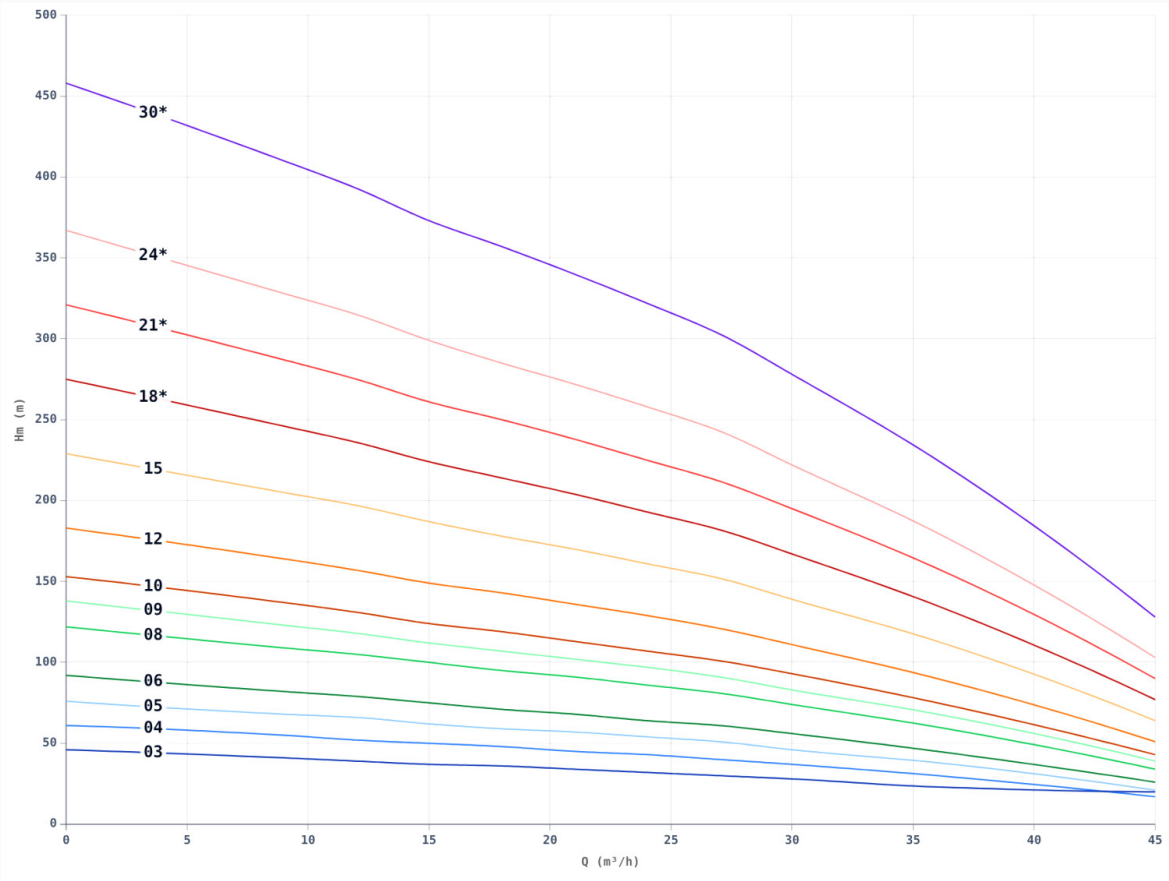
CURVA DE PERFORMANCE (Q - HM)



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

Model	kW	HP	Amperage	m³/h	0	3.6	6	9	12	15	18	21	24	27	30
				Hm (m)											
627 03	2,20	3,00	5,90		37,0	34,0	32,0	31,0	29,0	28,0	25,0	23,0	20,0	17,0	9,0
627 04	3,00	4,00	7,80		52,0	48,0	46,0	44,0	41,0	39,0	35,0	32,0	28,0	24,0	13,0
627 05	4,00	5,50	9,30		66,0	62,0	58,0	56,0	53,0	50,0	46,0	42,0	36,0	31,0	17,0
627 06	5,50	7,50	12,50		89,0	83,0	80,0	75,0	71,0	66,0	62,0	56,0	50,0	41,0	23,0
627 08	7,50	10,00	16,00		118,0	110,0	106,0	100,0	94,0	88,0	82,0	74,0	66,0	55,0	30,0
627 10	9,30	12,50	20,70		148,0	138,0	133,0	125,0	118,0	110,0	103,0	93,0	83,0	69,0	38,0
627 12	11,00	15,00	23,30		177,0	165,0	159,0	150,0	141,0	132,0	123,0	111,0	99,0	83,0	45,0
627 14	13,00	17,50	29,50		207,0	193,0	186,0	175,0	165,0	154,0	144,0	130,0	116,0	96,0	53,0
627 16*	15,00	20,00	31,30		236,0	220,0	212,0	200,0	188,0	176,0	164,0	148,0	132,0	110,0	60,0
627 20*	18,50	25,00	38,50		295,0	275,0	265,0	250,0	235,0	220,0	205,0	185,0	165,0	138,0	75,0
627 24*	22,00	30,00	43,50		354,0	330,0	318,0	300,0	282,0	264,0	246,0	222,0	198,0	165,0	90,0
627 28*	26,50	35,00	56,70		413,0	385,0	371,0	350,0	329,0	308,0	287,0	259,0	231,0	193,0	105,0
627 32*	30,00	40,00	63,50		472,0	440,0	424,0	400,0	376,0	352,0	328,0	296,0	264,0	220,0	120,0

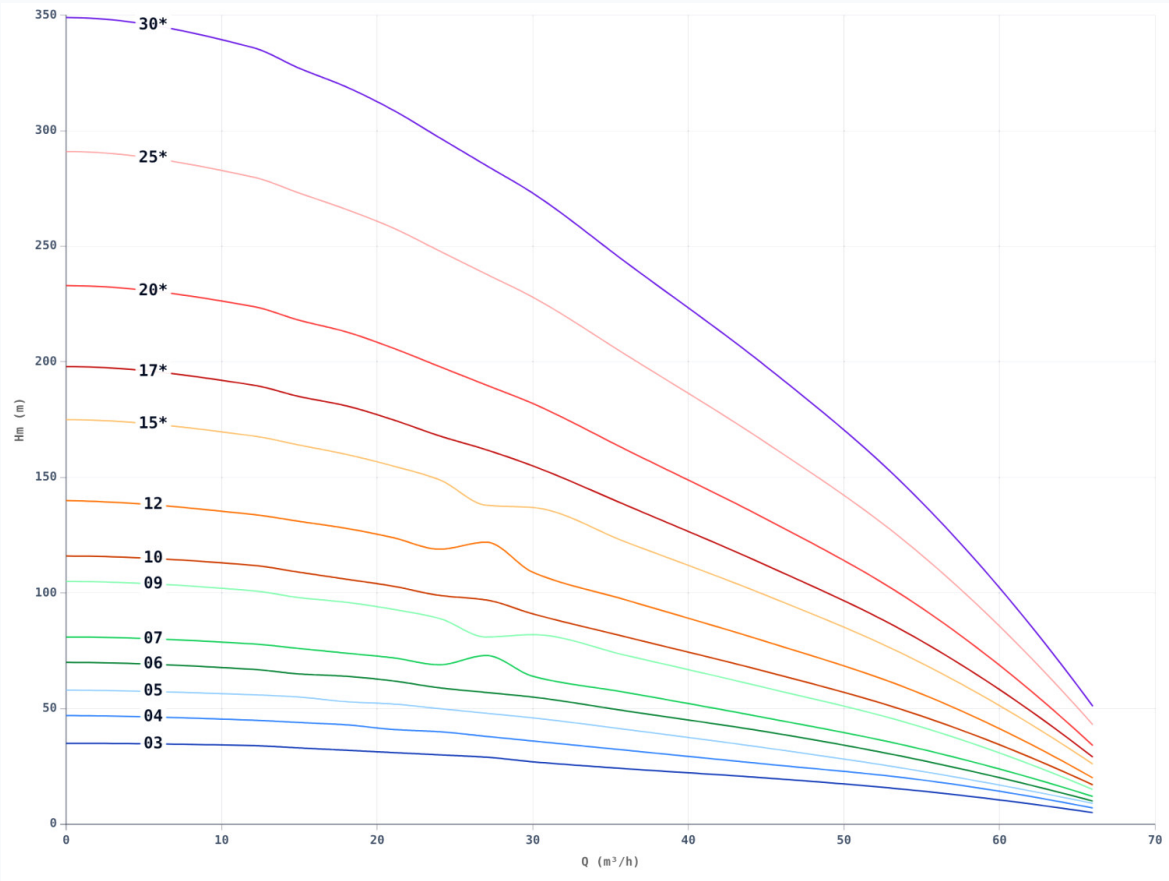
CURVA DE PERFORMANCE (Q - HM)



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

Model	kW	HP	Amperage	m³/h	0	9	12	15	18	21	24	27	30	36	45
				Hm (m)											
636 03	3,00	4,00	7,80		46,0	41,0	39,0	37,0	36,0	34,0	32,0	30,0	28,0	23,0	20,0
636 04	4,00	5,50	9,30		61,0	55,0	52,0	50,0	48,0	45,0	43,0	40,0	37,0	30,0	17,0
636 05	5,50	7,50	12,50		76,0	68,0	66,0	62,0	59,0	57,0	54,0	51,0	46,0	38,0	21,0
636 06	7,50	10,00	16,00		92,0	82,0	79,0	75,0	71,0	68,0	64,0	61,0	56,0	45,0	26,0
636 08	9,30	12,50	20,70		122,0	109,0	105,0	100,0	95,0	91,0	86,0	81,0	74,0	60,0	34,0
636 09	11,00	15,00	23,30		138,0	123,0	118,0	112,0	107,0	102,0	97,0	91,0	83,0	68,0	39,0
636 10	13,00	17,50	29,50		153,0	137,0	131,0	124,0	119,0	113,0	107,0	101,0	93,0	75,0	43,0
636 12	15,00	20,00	31,30		183,0	164,0	157,0	149,0	143,0	136,0	129,0	121,0	111,0	90,0	51,0
636 15	18,50	25,00	38,50		229,0	205,0	197,0	187,0	178,0	170,0	161,0	152,0	139,0	113,0	64,0
636 18*	22,00	30,00	45,30		275,0	246,0	236,0	224,0	214,0	204,0	193,0	182,0	167,0	135,0	77,0
636 21*	26,50	35,00	56,70		321,0	287,0	275,0	261,0	250,0	238,0	225,0	212,0	195,0	158,0	90,0
636 24*	30,00	40,00	63,50		367,0	328,0	315,0	299,0	285,0	272,0	258,0	243,0	222,0	180,0	103,0
636 30*	37,00	50,00	73,00		458,0	410,0	393,0	373,0	357,0	340,0	322,0	303,0	278,0	225,0	128,0

CURVA DE PERFORMANCE (Q - HM)



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

Model	kW	HP	Amperage	m³/h	0	12	15	18	21	24	27	30	36	45	54	66
				Hm (m)												
648 03	4,00	5,50	9,30		35,0	34,0	33,0	32,0	31,0	30,0	29,0	27,0	24,0	20,0	15,0	5,0
648 04	5,50	7,50	12,50		47,0	45,0	44,0	43,0	41,0	40,0	38,0	36,0	32,0	26,0	20,0	7,0
648 05	7,50	10,00	16,00		58,0	56,0	55,0	53,0	52,0	50,0	48,0	46,0	41,0	33,0	24,0	9,0
648 06	9,30	12,50	20,70		70,0	67,0	65,0	64,0	62,0	59,0	57,0	55,0	49,0	40,0	29,0	10,0
648 07	11,00	15,00	23,30		81,0	78,0	76,0	74,0	72,0	69,0	73,0	64,0	57,0	46,0	34,0	12,0
648 09	13,00	17,50	29,50		105,0	101,0	98,0	96,0	93,0	89,0	81,0	82,0	73,0	59,0	44,0	15,0
648 10	15,00	20,00	31,30		116,0	112,0	109,0	106,0	103,0	99,0	97,0	91,0	81,0	66,0	49,0	17,0
648 12	18,50	25,00	38,50		140,0	134,0	131,0	128,0	124,0	119,0	122,0	109,0	97,0	79,0	59,0	20,0
648 15*	22,00	30,00	45,30		175,0	168,0	164,0	160,0	155,0	149,0	138,0	137,0	122,0	99,0	73,0	26,0
648 17*	26,50	35,00	56,70		198,0	190,0	185,0	181,0	175,0	168,0	162,0	155,0	138,0	112,0	83,0	29,0
648 20*	30,00	40,00	63,50		233,0	224,0	218,0	213,0	206,0	198,0	190,0	182,0	162,0	132,0	98,0	34,0
648 25*	37,00	50,00	73,00		291,0	280,0	273,0	266,0	258,0	248,0	238,0	228,0	203,0	165,0	122,0	43,0
648 30*	45,00	60,00	93,90		349,0	336,0	327,0	319,0	309,0	297,0	285,0	273,0	243,0	198,0	146,0	51,0

LIST OF MATERIALS

USAGE CONDITIONS

- Temperatura da água: até 35ºC
- Máx. 20 arranques por hora
- Tensão: +6% / -10%