

KSB HYDROBLOC M

BOMBA MONOBLOCO DE MÚLTIPLOS ESTÁGIOS



MODELOS: MA e MB

Com seu design moderno, perfeita combinação dos materiais construtivos e hidráulica desenvolvida atendendo aos requisitos do mercado, a bomba centrífuga monobloco multiestágio *KSB Hydrobloc M* é a melhor solução para seus problemas de bombeamento.

Aplicações

Indicadas para serviços em sistemas de irrigação, ar condicionado, abastecimento de água e circulação de água, entre outros. Possui aplicações na indústria em geral para bombeamento de água, pressurização para abastecimento de água em edifícios, em residências, chácaras e no lazer.

Descrição

- Horizontal, multiestágio com corpos de sucção, pressão e estágio seccionados verticalmente.
- Os corpos são vedados entre si por meio de anéis o-ring e unidos externamente através de tirantes.
- Acoplamento direto do motor flangeado no corpo de pressão.
- Vedação do eixo por meio de selo mecânico padronizado.

Modelos	MA e MB	
Tamanho	DN 32	
Vazão	até 16 m³/h	
Elevação	até 207 mca	
Temperatura Máxima do Líquido Bombeado	até +70 °C	
Rotação	até 3.500 rpm	
Pressão Máxima de Sucção	10 bar	
Pressão Máxima de Recalque na Vazão Zero	22 bar	
Pressão Máxima para Teste Hidrostático	28 bar	
Motor Elétrico	Principais Características	IP 55, II Polos, T. F. V. E.
		60 Hz, B34D, Isol. CL B
	Tensão - Monofásico para 2,0 e 3,0 CV	110/220 V
	Tensão - Monofásico para 4,0 e 5,0 CV	220/440 V
	Tensão - Trifásico	220/380/440 V
Sentido de Rotação visto pela Sucção	Horário	
Conexão de Sucção	G 2"	
Conexão de Recalque	G 1 1/2"	

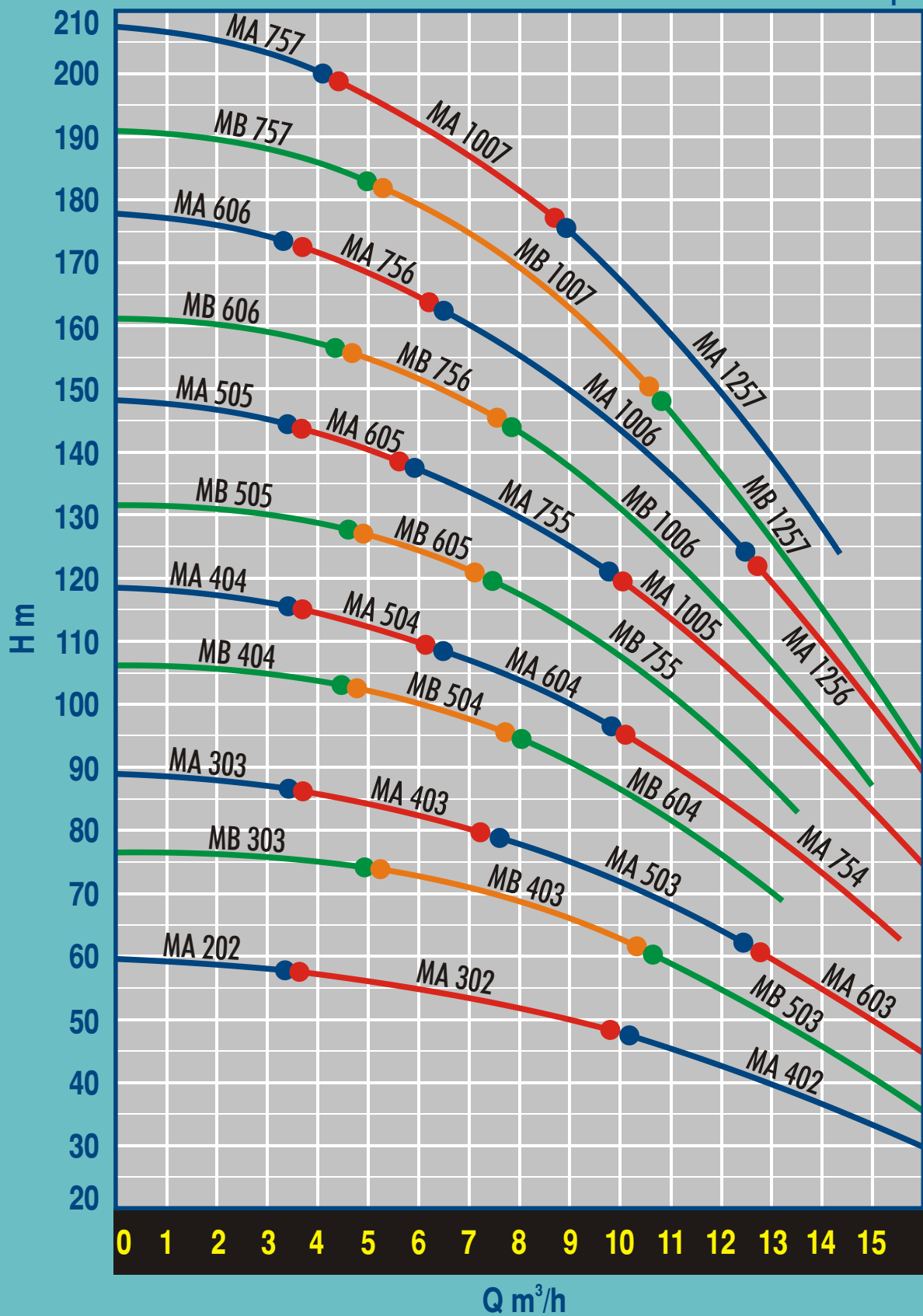


QUALIDADE ISO 9001



Curvas Características

3.500 rpm

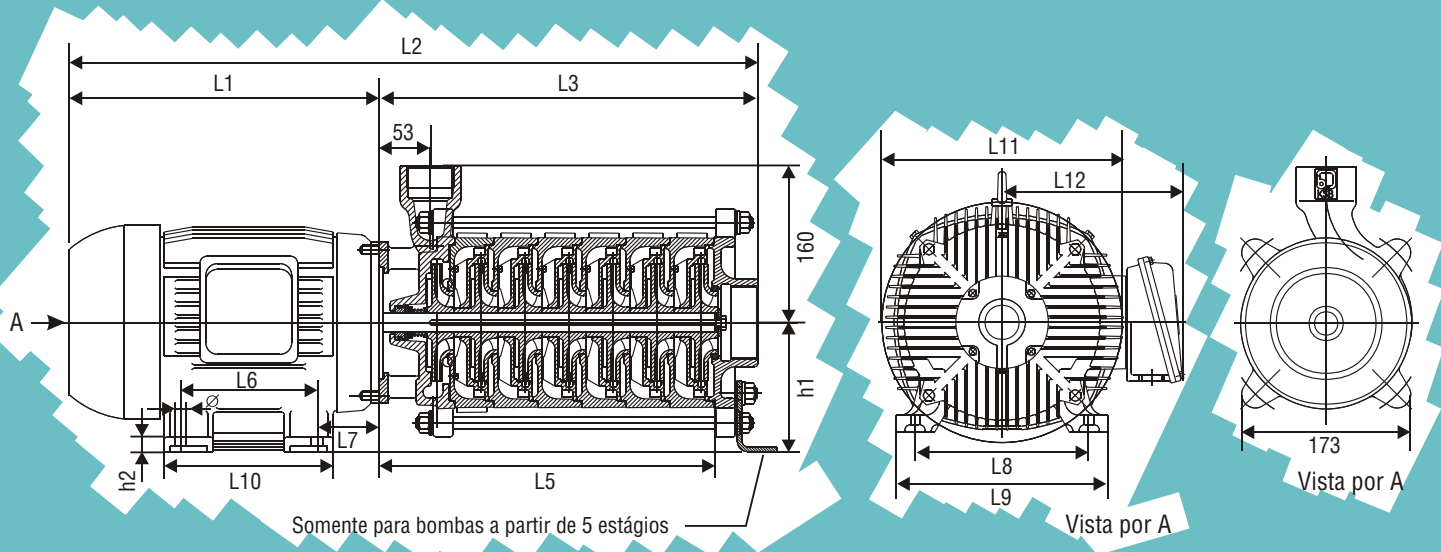


As curvas características referem-se à água à temperatura ambiente e peso específico igual à 1 kgf/dm³.
Tolerância das curvas conforme ISO 9906 Anexo D.

Tabela de Seleção

MODELO	Potência (CV)	Número de Estágios	Monofásico	Trifásico	VAZÃO EM m³/h																
					0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
					0	16,7	33,3	50,0	66,7	83,4	100,0	116,7	133,4	150,0	166,7	183,4	200,0	216,7	233,4	250,0	266,7
					VAZÃO EM l/min.																
					0	16,7	33,3	50,0	66,7	83,4	100,0	116,7	133,4	150,0	166,7	183,4	200,0	216,7	233,4	250,0	266,7
					ALTURA MANOMÉTRICA EM mca																
MA 202	2,0	2	X	X	59,5	59,0	58,5	58,0													
MA 303	3,0	3	X	X	89,0	88,5	87,0	86,5													
MB 303	3,0	3	X	X	76,5	76,0	75,5	74,0													
MA 404	4,0	4	X	X	118,5	118,0	117,0	116,0													
MB 404	4,0	4	X	X	106,0	105,5	105,0	104,5	104,0												
MA 505	5,0	5	X	X	148,0	147,5	146,0	145,0													
MB 505	5,0	5	X	X	131,5	131,0	130,0	128,5													
MA 606	6,0	6	X	X	178,0	177,0	175,5	174,0													
MB 606	6,0	6	X	X	161,0	161,0	160,0	160,0	157,0												
MA 757	7,5	7	X	X	207,0	206,5	205,0	203,0	200,0												
MB 757	7,5	7	X	X	191,0	190,0	189,5	188,0	186,0	183,0											
MA 302	3,0	2	X	X	59,5	59,0	58,5	58,0	57,0	56,0	55,0	53,5	52,0	50,0							
MA 403	4,0	3	X	X	89,0	88,5	87,0	86,5	85,5	84,0	82,5	80,0									
MA 504	5,0	4	X	X	118,5	118,0	117,0	116,0	114,0	112,0	110,0										
MA 605	6,0	5	X	X	148,0	147,5	146,0	145,0	142,5	140,0											
MA 756	7,5	6	X	X	178,0	177,0	175,5	174,0	171,0	168,0	164,5										
MB 504	5,0	4	X	X	106,0	105,5	105,0	104,5	104,0	102,0	100,0	98,0	94,5								
MB 605	6,0	5	X	X	131,5	131,5	131,0	130,0	128,0	127,0	124,5	121,5									
MB 756	7,5	6	X	X	161,0	161,0	160,0	160,0	157,0	155,0	152,0	148,0									
MA 1007	10,0	7	X	X	207,0	206,5	205,0	203,0	200,0	196,0	192,0	187,0	182,0								
MB 403	4,0	3	X	X	76,5	76,0	75,5	75,0	74,0	74,5	72,5	71,0	69,0	66,0	63,0						
MA 755	7,5	5	X	X	148,0	147,5	146,0	145,0	142,5	140,0	137,0	133,5	130,0	125,0							
MB 1007	10,0	7	X	X	191,0	190,0	189,5	188,0	186,0	183,0	179,0	174,5	169,5	163,0	155,0						
MA 604	6,0	4	X	X	118,5	118,0	117,0	116,0	114,0	112,0	110,0	107,0	104,0	100,0							
MA 1006	10,0	6	X	X	178,0	177,0	175,5	174,0	171,0	168,0	164,5	160,5	156,0	150,0	144,0	136,0	128,0				
MA 503	5,0	3	X	X	89,0	88,5	87,0	86,5	85,5	84,0	82,5	80,0	78,0	75,0	72,0	68,0	64,0				
MB 755	7,5	5	X	X	131,5	131,5	131,0	130,0	128,0	127,0	124,5	121,5	117,5	113,0	107,5	101,5	94,5	87,0			
MB 1006	10,0	6	X	X	161,0	161,0	160,0	160,0	157,0	155,0	152,0	148,0	143,5	138,0	131,5	124,0	115,5	106,5	87,0		
MB 604	6,0	4	X	X	106,0	105,5	105,0	104,5	104,0	102,0	100,0	98,0	94,5	91,0	86,5	82,0	76,0	70,0			
MA 1257	12,5	7	X	X	207,0	206,5	205,0	203,0	200,0	196,0	192,0	187,0	182,0	175,0	168,0	159,0	149,5	139,0	128,0		
MA 402	4,0	2	X	X	59,5	59,0	58,5	58,0	57,0	56,0	55,0	53,5	52,0	50,0	48,0	45,0	42,0	39,5	36,5	33,0	29,5
MA 754	7,5	4	X	X	118,5	118,0	117,0	116,0	114,0	112,0	110,0	107,0	104,0	100,0	96,0	91,0	85,5	79,0	73,0	66,0	
MA 1005	10,0	5	X	X	148,0	147,5	146,0	145,0	142,5	140,0	137,0	133,5	130,0	125,0	120,0	113,5	107,0	99,0	91,5	83,0	74,0
MB 503	5,0	3	X	X	76,5	76,0	75,5	75,0	74,5	74,5	72,5	71,0	69,0	66,0	63,0	59,0	55,0	50,0	45,5	40,0	35,5
MB 1257	12,5	7	X	X	191,0	190,0	189,5	188,0	186,0	183,0	179,0	174,5	169,5	163,0	155,0	146,5	137,0	126,5	115,0	103,5	91,0
MA 603	6,0	3	X	X	89,0	88,5	87,0	86,5	85,5	84,0	82,5	80,0	78,0	75,0	72,0	68,0	64,0	59,2	55,0	49,5	44,5
MA 1256	12,5	6	X	X	178,0	177,0	175,5	174,0	171,0	168,0	164,5	160,5	156,0	150,0	144,0	136,0	128,0	119,0	109,5	99,5	89,0

Tabelas de Medidas



MODELOS MA MB	Nº de Estágios	MOTOR		CONJUNTOS COM MOTORES TRIFÁSICOS													Pesos (kg)	
		Potência (CV)	Carcaça	L1	L2	L3	L5	L6	L7	L8	L9	L10	L11	L12	Ø	h1		h2
202	2	2,0	90 S	255	418	163	120	100	56	140	164	131	174	150	10	90	15	30
302	2	3,0	90 S	255	418	163	120	100	56	140	164	131	174	150	10	90	15	35
303	3	3,0	90 S	255	463	208	165	100	56	140	164	131	174	150	10	90	15	39
402	2	4,0	100 L	280	443	163	120	125	56	140	164	156	174	150	10	90	15	40
403	3	4,0	100 L	280	488	208	165	125	56	140	164	156	174	150	10	90	15	42
404	4	4,0	100 L	280	533	253	210	125	56	140	164	156	174	150	10	90	15	46
503	3	5,0	100 L	316	524	208	165	140	63	160	188	173	196	160	12	100	15	50
504	4	5,0	100 L	316	569	253	210	140	63	160	188	173	196	160	12	100	15	54
505	5	5,0	100 L	316	614	298	255	140	63	160	188	173	196	160	12	100	15	58
603	3	6,0	112 M	335	543	208	165	140	70	190	220	177	222	180	12	112	18	59
604	4	6,0	112 M	335	588	253	210	140	70	190	220	177	222	180	12	112	18	63
605	5	6,0	112 M	335	633	298	255	140	70	190	220	177	222	180	12	112	18	67
606	6	6,0	112 M	335	678	343	300	140	70	190	220	177	222	180	12	112	18	71
754	4	7,5	112 M	335	588	253	210	140	70	190	220	177	222	180	12	112	18	66
755	5	7,5	112 M	335	633	298	255	140	70	190	220	177	222	180	12	112	18	70
756	6	7,5	112 M	335	678	343	300	140	70	190	220	177	222	180	12	112	18	74
757	7	7,5	112 M	335	723	388	345	140	70	190	220	177	222	180	12	112	18	78
1005	5	10,0	132 S	372	607	298	255	140	85	216	248	187	260	207	12	132	21	85
1006	6	10,0	132 S	372	715	343	300	140	85	216	248	187	260	207	12	132	21	89
1007	7	10,0	132 S	372	760	388	345	140	85	216	248	187	260	207	12	132	21	93
1256	6	12,5	132 M	410	753	343	300	178	85	216	248	225	260	207	12	132	21	98
1257	7	12,5	132 M	410	798	388	345	178	85	216	248	225	260	207	12	132	21	102

MODELOS MA MB	Nº de Estágios	MOTOR		CONJUNTOS COM MOTORES MONOFÁSICOS													Pesos (kg)	
		Potência (CV)	Carcaça	L1	L2	L3	L5	L6	L7	L8	L9	L10	L11	L12	Ø	h1		h2
202 M	2	2,0	90 L	310	473	163	120	125	56	140	164	156	177	155	10	90	15	44
302 M	2	3,0	100 L	360	523	163	120	140	63	160	188	173	198	165	12	100	15	54
303 M	3	3,0	100 L	360	568	208	165	140	63	160	188	173	198	165	12	100	15	58
402 M	2	4,0	112 M	363	526	163	120	140	70	190	220	177	200	187	12	112	16	64
403 M	3	4,0	112 M	363	571	208	165	140	70	190	220	177	200	187	12	112	16	68
404 M	4	4,0	112 M	363	616	253	210	140	70	190	220	177	200	187	12	112	16	72
503 M	3	5,0	112 M	363	571	208	165	140	70	190	220	177	223	199	12	112	18	71
504 M	4	5,0	112 M	363	616	253	210	140	70	190	220	177	223	199	12	112	18	75
505 M	5	5,0	112 M	363	661	298	255	140	70	190	220	177	223	199	12	112	18	79

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