



TECHNICAL DATASHEET

Horizontal Multistage Pump CHLF

Horizontal multistage pump in AISI 304 stainless steel.



The CHLF series is a horizontal multistage pump in stainless steel, compact and silent, ideal for domestic pressure boosting, irrigation and industrial applications. Built for durability and energy efficiency, its AISI 304 stainless steel structure ensures corrosion resistance and a long service life.

APPLICATIONS

- Ar condicionado e arrefecimento
- Limpeza industrial
- Tratamento de água (purificação)
- Aquacultura
- Sistemas de fertilização
- Aplicações ambientais
- Sistemas de pressurização
- Rega e agricultura

TECHNICAL DATA

TECHNICAL SPECIFICATIONS

Type	Multistage centrifugal pump
Horizontal multistage pump, axial inlet and radial outlet	Horizontal multistage pump, axial inlet and radial outlet
Material	Stainless Steel AISI 304 (1.4301)
Seal	SiC/Graphite mechanical seal
Protection	IP 55
Insulation	Class F
Maximum 20 starts per hour	Maximum 20 starts per hour

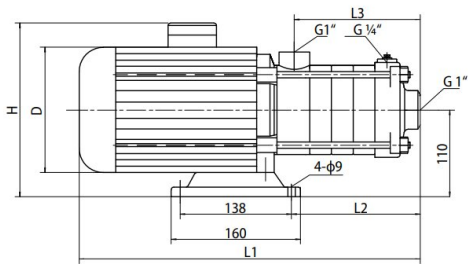
MOTOR CHARACTERISTICS

Nominal Speed	2900 rpm
Voltage	1~ 220-240V / 3~ 220-240V/380-415V
Efficiency	IE2 (1~) / IE3 (3~ >0.55kW)
Standards	ISO 9906, apêndice A

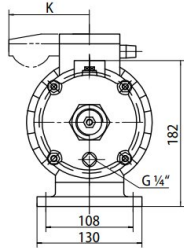
USAGE CONDITIONS

Liquid temp.	-15°C a 70°C
70°C to 110°C	70°C to 110°C
Ambient Temp.	Máx. 52°C
Maximum Pressure	10 bar
Liquid type	Líquidos limpos, pouco espessos, não-inflamáveis, sem sólidos ou fibras

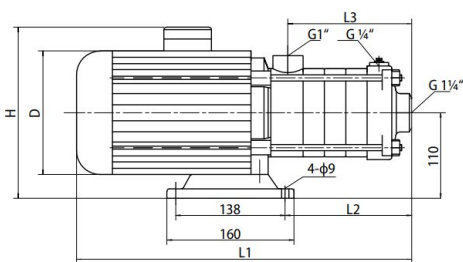
DIMENSÕES



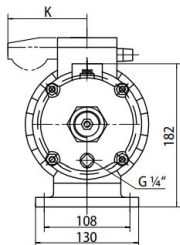
Model	L1	L2	L3	H (1Ø)	H (3Ø)	D	K (1Ø)	Weight
CHLF 2-20	305,0	87,0	84,0	230,0	215,0	145,0	96,0	15,0
CHLF 2-30	323,0	105,0	102,0	230,0	215,0	145,0	96,0	15,0
CHLF 2-40	341,0	123,0	120,0	230,0	215,0	145,0	96,0	15,0
CHLF 2-50	359,0	141,0	138,0	230,0	215,0	145,0	96,0	15,0
CHLF 2-60	422,0	159,0	156,0	245,0	225,0	170,0	100,0	17,0



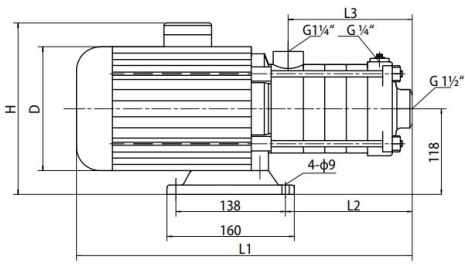
DIMENSÕES



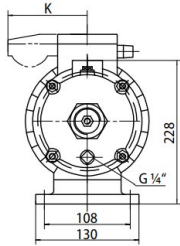
Model	L1	L2	L3	H (1Ø)	H (3Ø)	D	K (1Ø)	Weight
CHLF 4-20	329,0	105,0	102,0	230,0	215,0	145,0	96,0	15,0
CHLF 4-30	356,0	132,0	129,0	230,0	215,0	145,0	96,0	15,0
CHLF 4-40	416,0	162,0	156,0	245,0	225,0	170,0	100,0	17,0
CHLF 4-50	455,0	188,0	183,0	245,0	225,0	170,0	100,0	17,0
CHLF 4-60	482,0	213,0	213,0	245,0	225,0	170,0	100,0	17,0



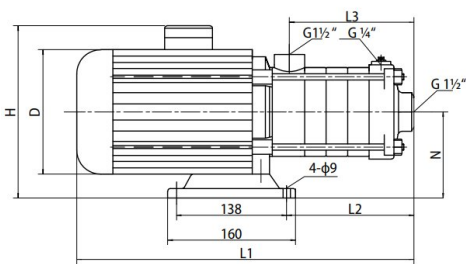
DIMENSÕES



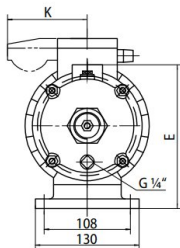
Model	L1	L2	L3	H (1Ø)	H (3Ø)	D	K (1Ø)	Weight
CHLF 8-10	395,0	126,0	108,0	265,0	230,0	170,0	100,0	20,0
CHLF 8-20	395,0	126,0	108,0	265,0	230,0	170,0	100,0	20,0
CHLF 8-30	425,0	156,0	138,0	265,0	230,0	170,0	100,0	25,0
CHLF 8-40	490,0	186,0	168,0	270,0	240,0	180,0	100,0	28,0
CHLF 8-50	520,0	216,0	198,0	270,0	240,0	180,0	100,0	30,0



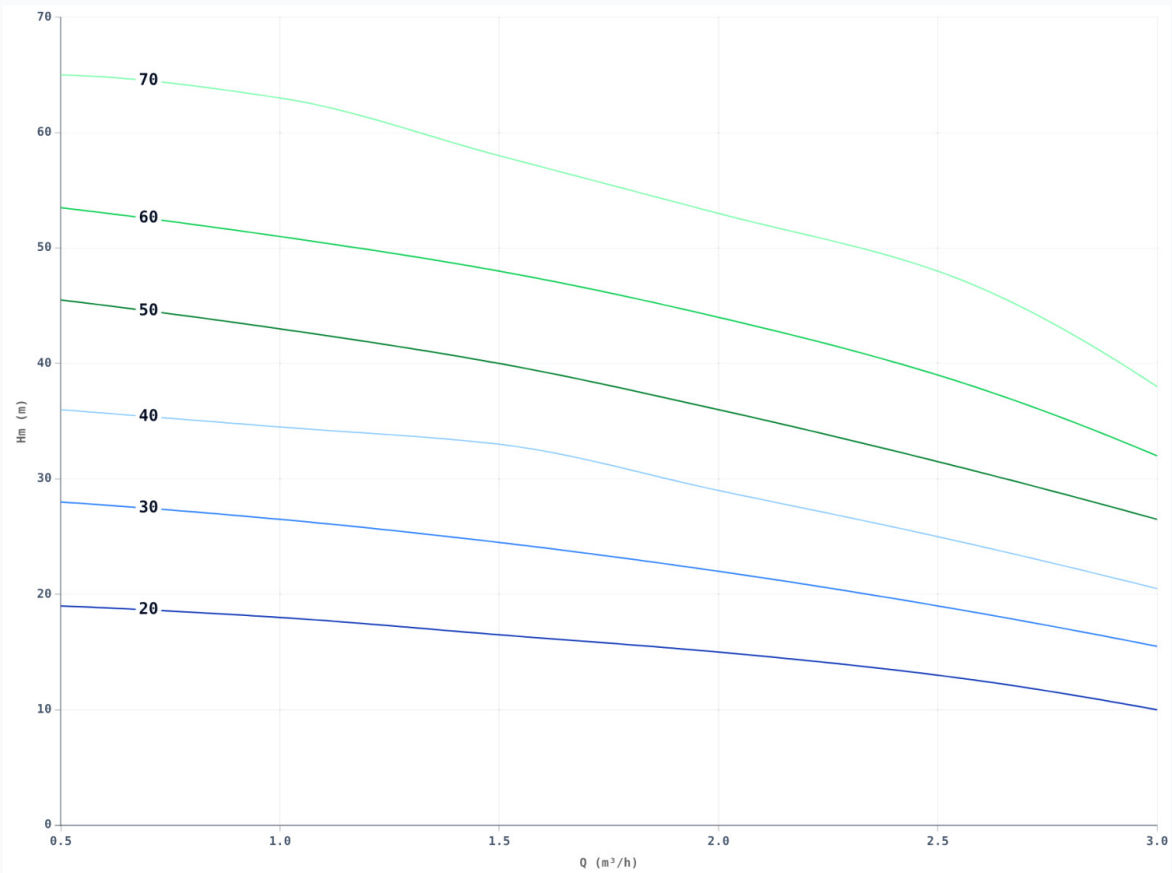
DIMENSÕES



Model	L1	L2	L3	H (1Ø)	H (3Ø)	D	E	N	K (1Ø)	Weight
CHLF 12-10	395,0	126,0	108,0	265,0	230,0	170,0	228,0	118,0	100,0	20,0
CHLF 12-20	395,0	126,0	108,0	265,0	230,0	170,0	228,0	118,0	100,0	21,0
CHLF 12-30	460,0	156,0	138,0	270,0	240,0	180,0	228,0	118,0	100,0	25,0
CHLF 12-40	490,0	186,0	168,0	270,0	240,0	180,0	228,0	118,0	100,0	29,0
CHLF 12-50	555,0	216,0	198,0	270,0	195,0	240,0	126,0	126,0	126,0	34,0



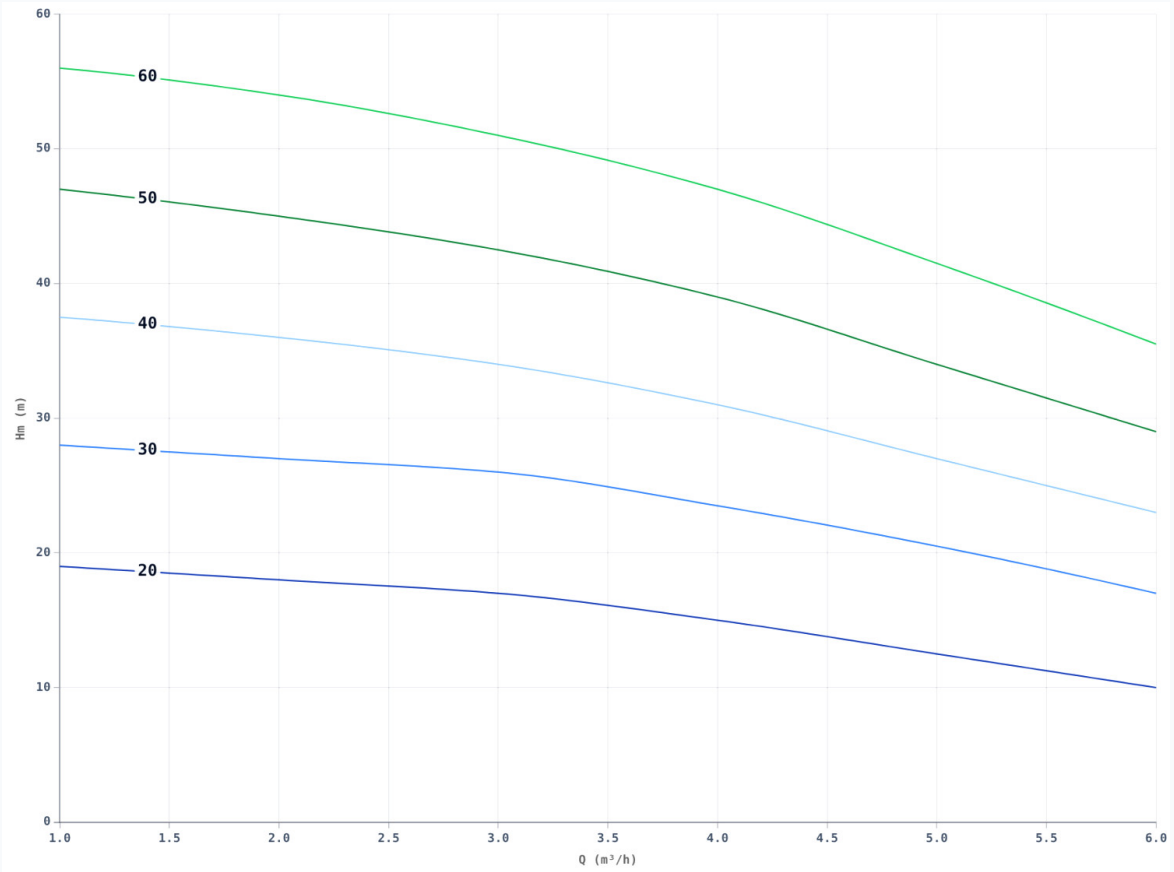
CURVA DE PERFORMANCE (Q - HM)



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

Model	kW	HP	Amp (1~ / 3~)	m³/h	0.5	1	1.5	2	2.5	3
				Hm (m)						
CHLF 2-20	0,37	0,50	2.26 / 1.66-1.49		19,0	18,0	16,5	15,0	13,0	10,0
CHLF 2-30	0,37	0,50	3.65 / 2.20-2.11		28,0	26,5	24,5	22,0	19,0	15,5
CHLF 2-40	0,55	0,75	3.65 / 2.20-2.11		36,0	34,5	33,0	29,0	25,0	20,5
CHLF 2-50	0,55	0,75	3.65 / 2.20-2.11		45,5	43,0	40,0	36,0	31,5	26,5
CHLF 2-60	0,75	1,00	4.8 / 3.01-2.86		53,5	51,0	48,0	44,0	39,0	32,0
CHLF 2-70	0,75	1,00	4.2 / 1.7		65,0	63,0	58,0	53,0	48,0	38,0

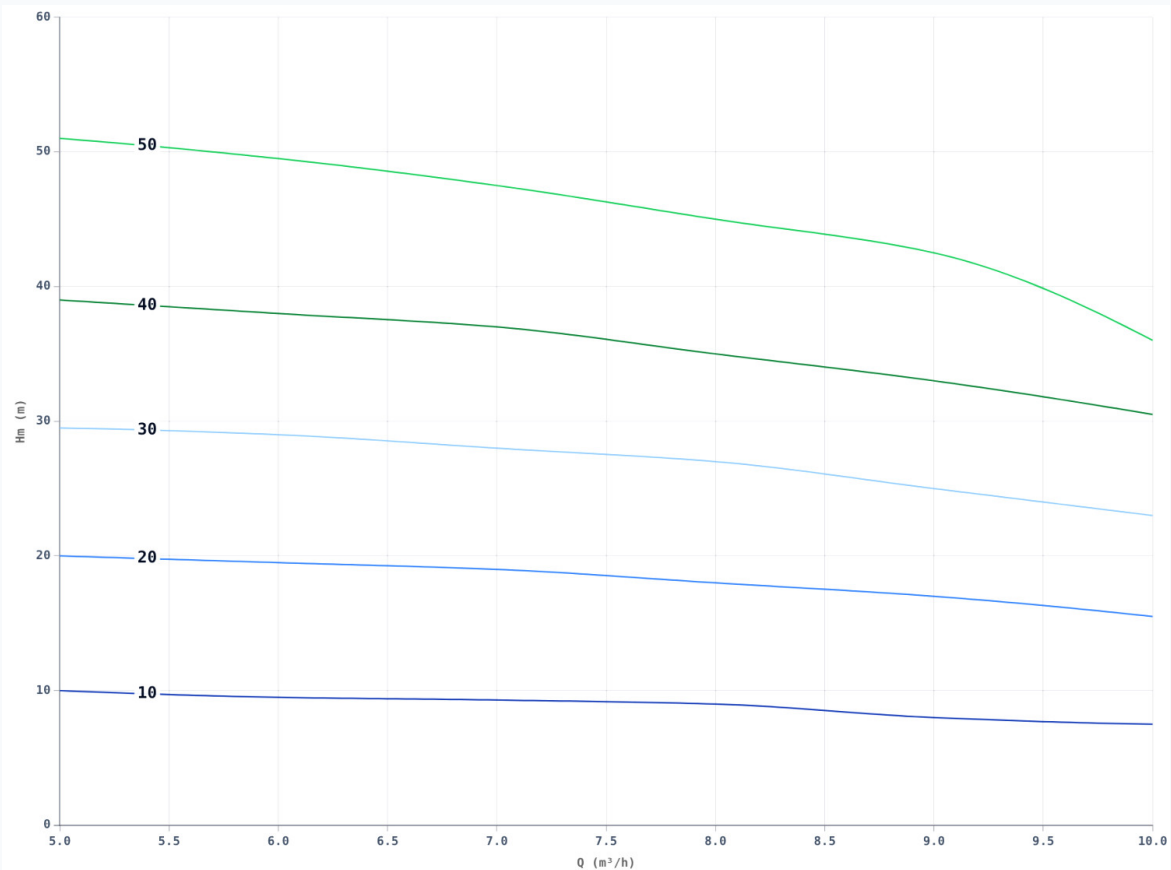
CURVA DE PERFORMANCE (Q - HM)



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

Model	kW	HP	Amp (1~ / 3~)	m³/h	1	2	3	4	5	6
				Hm (m)						
CHLF 4-20	0,37	0,50	3.65 / 2.2-2.11		19,0	18,0	17,0	15,0	12,5	10,0
CHLF 4-30	0,55	0,75	3.9 / 2.3-2.2		28,0	27,0	26,0	23,5	20,5	17,0
CHLF 4-40	0,75	1,00	4.8 / 3.01-2.86		37,5	36,0	34,0	31,0	27,0	23,0
CHLF 4-50	1,10	1,50	7.0 / 4.16-3.98		47,0	45,0	42,5	39,0	34,0	29,0
CHLF 4-60	1,10	1,50	7.0 / 4.16-3.98		56,0	54,0	51,0	47,0	41,5	35,5

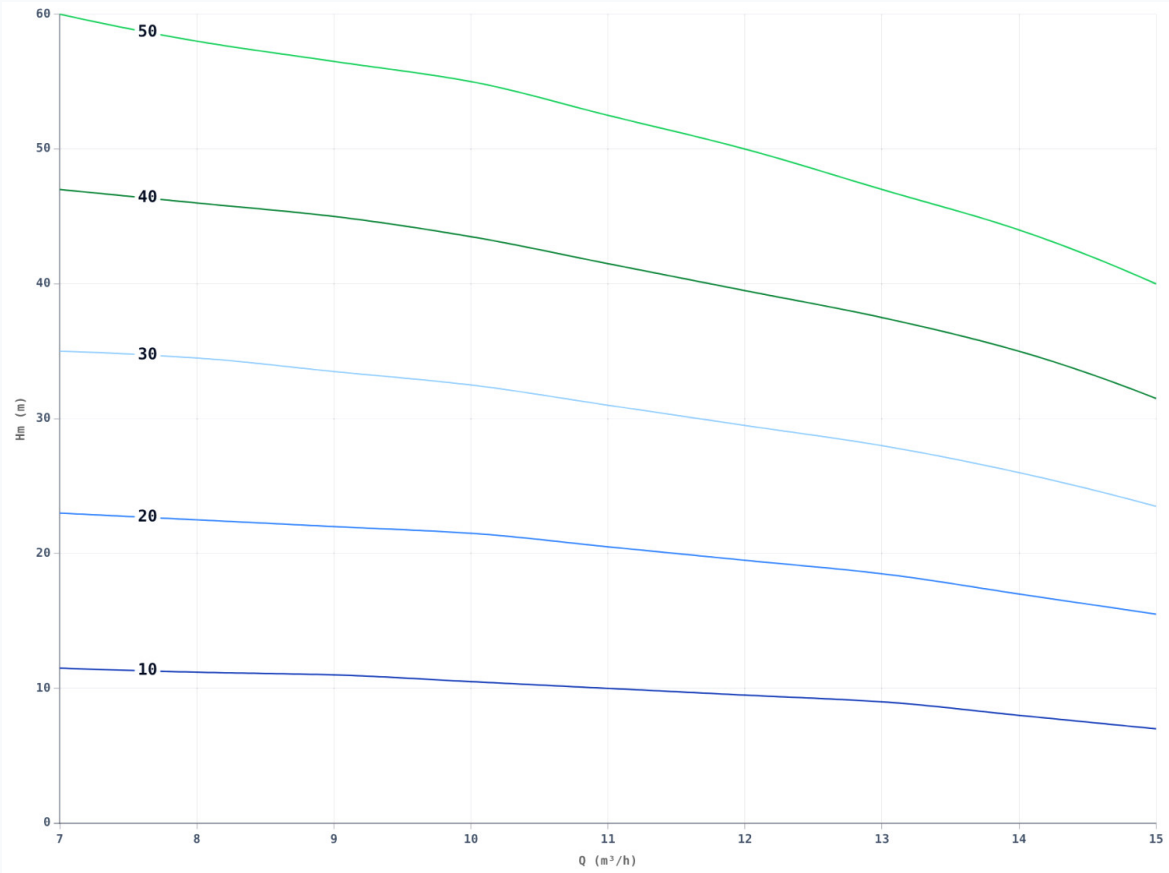
CURVA DE PERFORMANCE (Q - Hm)



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

Model	kW	HP	Amp (1~ / 3~)	m³/h	5	6	7	8	9	10
				Hm (m)						
CHLF 8-10	0,75	1,00	4.8 / 3.01-2.86		10,0	9,5	9,3	9,0	8,0	7,5
CHLF 8-20	0,75	1,00	4.8 / 3.01-2.86		20,0	19,5	19,0	18,0	17,0	15,5
CHLF 8-30	1,10	1,50	7.0 / 4.16-3.98		29,5	29,0	28,0	27,0	25,0	23,0
CHLF 8-40	1,50	2,00	9.1 / 5.96-5.37		39,0	38,0	37,0	35,0	33,0	30,5
CHLF 8-50	2,20	3,00	12.4 / 8.31-7.67		51,0	49,5	47,5	45,0	42,5	36,0

CURVA DE PERFORMANCE (Q - Hm)



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

Model	kW	HP	Amp (1~ / 3~)	m³/h	7	8	9	10	11	12	13	14	15
				Hm (m)									
CHLF 12-10	0,75	1,00	7-6.4 / 4.5-4.1		11,5	11,2	11,0	10,5	10,0	9,5	9,0	8,0	7,0
CHLF 12-20	1,20	1,60	7.6-7 / 4.9-4.5		23,0	22,5	22,0	21,5	20,5	19,5	18,5	17,0	15,5
CHLF 12-30	1,80	2,50	11-10.1 / 7.1-6.5		35,0	34,5	33,5	32,5	31,0	29,5	28,0	26,0	23,5
CHLF 12-40	2,40	3,50	14.6-13.4 / 9-8.3		47,0	46,0	45,0	43,5	41,5	39,5	37,5	35,0	31,5
CHLF 12-50	3,00	4,00	- / 11-10		60,0	58,0	56,5	55,0	52,5	50,0	47,0	44,0	40,0

LIST OF MATERIALS

Pos.	Description	Material	AISI / ASTM
1	Entrada	Aço inoxidável	AISI 304
2	Bujão	Aço inoxidável	AISI 304
3	Rolamento	Carboneto de Tungsténio	-
4	Impulsor	Aço inoxidável	AISI 304
5	Veio	Aço inoxidável	AISI 304
7	Saída	Aço inoxidável	AISI 304
8	Empanque mecânico	SiC / Grafite	-
9	Tampa do motor	Alumínio	-
10	Base de apoio	Aço	AISI 1015
11	Porca de aperto	Aço inoxidável	AISI 304
12	Difusor	Aço inoxidável	AISI 304
13	Suporte do difusor	Aço inoxidável	AISI 304
14	Camisa do impulsor	Aço inoxidável	AISI 304