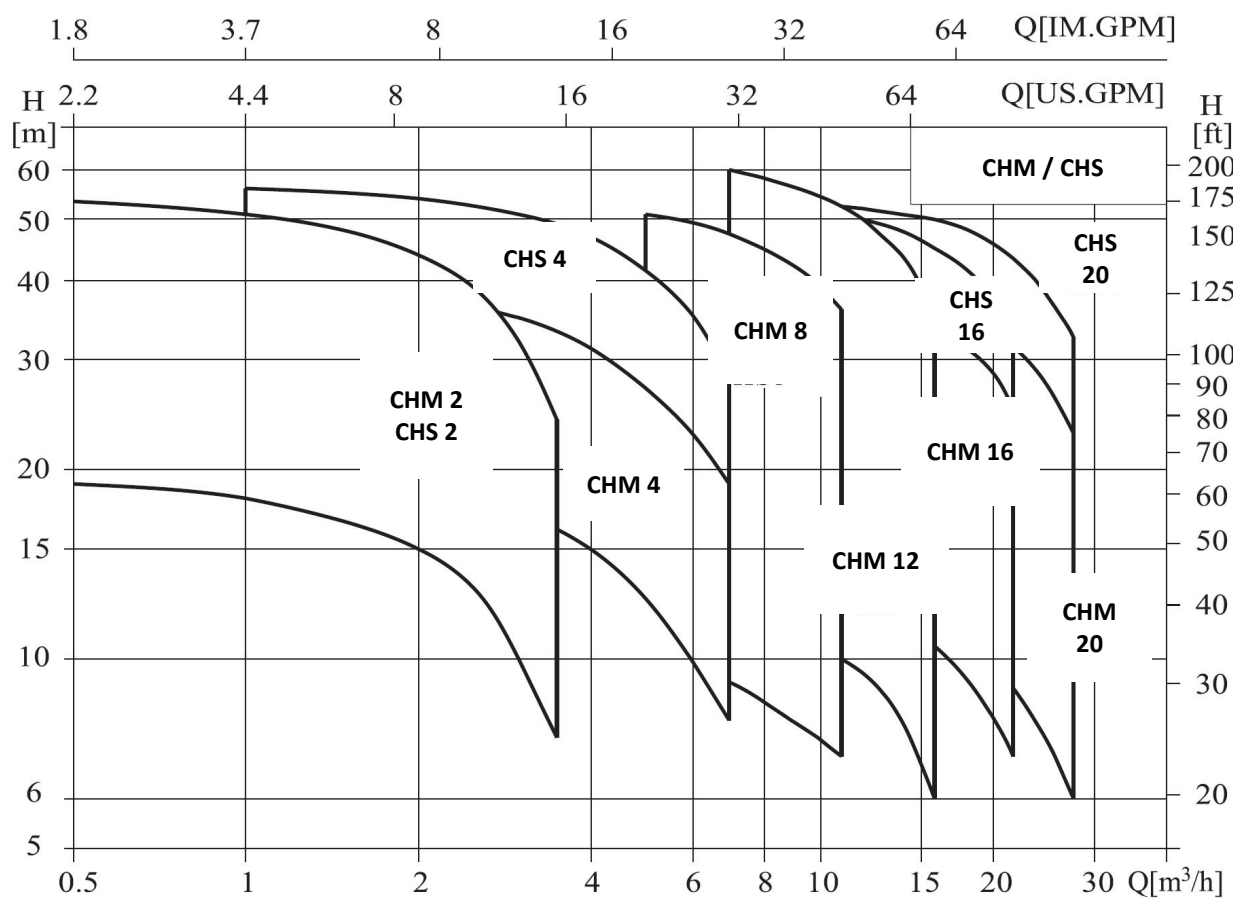




HORIZONTAL STAINLESS STEEL MULTISTAGE PUMP

Selection charts



Application

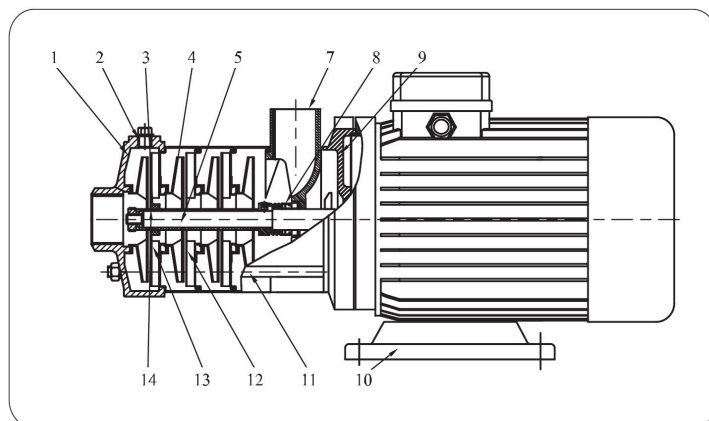
- Cooling water systems
- Domestic water supply
- Industrial cleaning
- Agriculture
- Pesticide dosing systems
- Environmental protection
- Water treatment
- Boosting & circulation systems

Technical Date

- a. Ambient Temperature
Maximum: +40°C
- b. Liquid Temperature
Standard design: -15°C to +70°C
For hot water design: -15°C to +110°C
- c. Max operating pressure is limited by max operating pressure
Axial inlet and radial outlet
- d. Electric Motor standard be supplied as:
50HZ, single phase 220V~240V or three phase 380V~415V, aluminum casing,
IP55, class F. Single pahse motor up to 2.2KW
- e. Pump's material can be supplied in 304 or 316 stainless steel.
- f. **CHM CHS** max operation pressure: 10bar. **CHM Max operation is 8bar.**
- g. Max suction pressure is limited by max operation pressure.



General Arrangement Drawings



CHM

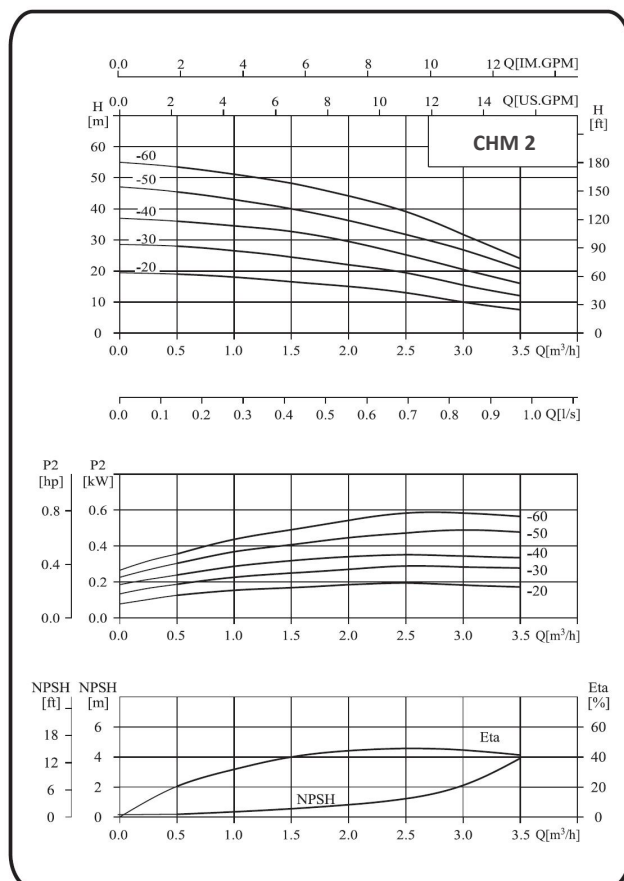
CHM

Part No.	Name	Material	AISI/ASTM
2	Vent	Stainless steel	304
3	Bearing	Tungsten carbide	
4	Impeller	Stainless steel	304
5	Shaft	Stainless steel	
6	Discharge diffuser	Stainless steel	
8	Mechanical seal		
9	Motor end cover	Aluminum alloy	304
10	Base frame	Cast iron	304
11	Pull-rod	Stainless steel	304
12	Diffuser	Stainless steel	304
13	Support diffuser	Stainless steel	
14	Sleeve	Stainless steel	
CHS			
1	Suction head	Stainless steel	304
7	Discharge head	Stainless steel	304
CHM			
1	Suction head	Cast iron	ASTM25B
7	Discharge head	Cast iron	ASTM25B

316 stainless steel are available for the above pump on request.

Technical Data(50HZ)

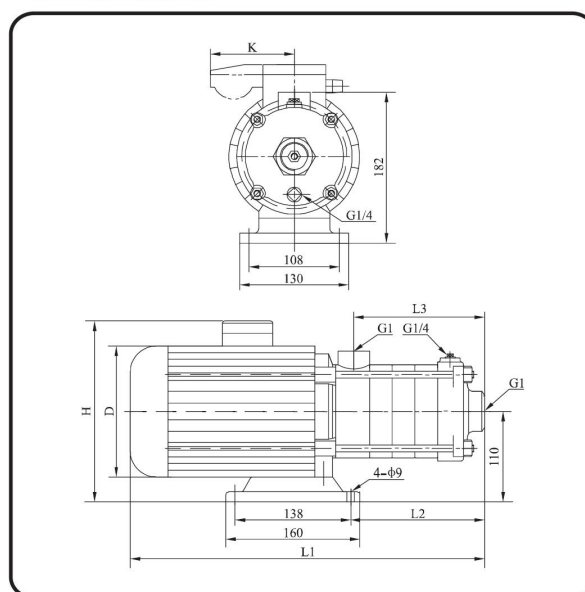
Performance curve



ISO9906 Annex A

CHM 2

Dimensions



Size and weight

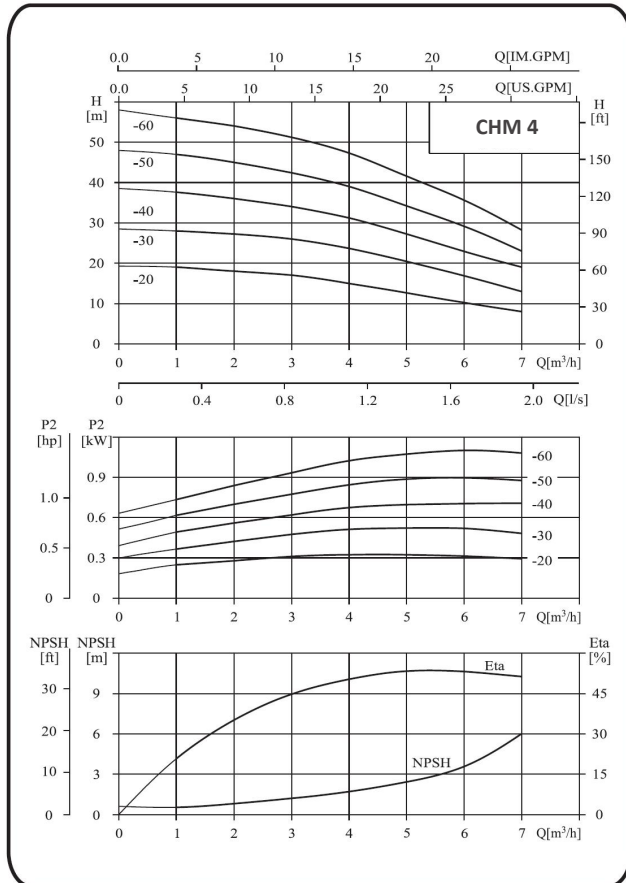
Model	Size(mm)						Weight (kg)
	L1	L2	L3	D	H	K	
CHM 2-20	305	87	84	145	215/230	/96	15
CHM 2-30	323	105	102	145	215/230	/96	15
CHM 2-40	341	123	120	145	215/230	/96	15
CHM 2-50	359	141	138	145	215/230	/96	15
CHM 2-60	422	159	156	170	225/245	/100	17

Performance table

Model	Driving motor		Q (m³/h)	0.5	1	1.5	2	2.5	3	3.5
	(kW)	(hp)								
CHM 2-20	0.37	0.5	H (m)	19	18	16.5	15	13	10	7.5
CHM 2-30	0.55	0.75		28	26.5	24.5	22	19	15.5	12
CHM 2-40	0.55	0.75		36	34.5	33	29	25	20.5	16
CHM 2-50	0.55	0.75		45.5	43	40	36	31.5	26.5	20.5
CHM 2-60	0.75	1		53.5	51	48	44	39	32	24

Technical Data(50HZ)

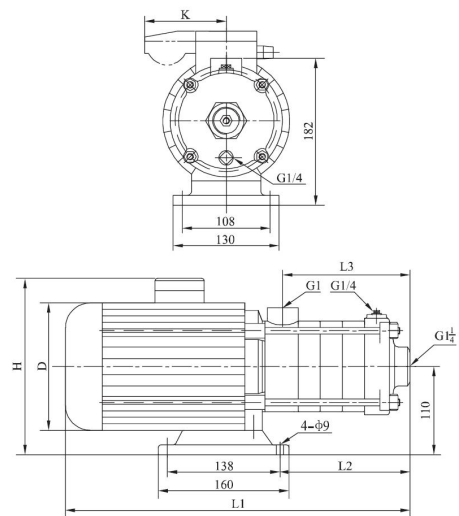
Performance curve



ISO9906 Annex A

CHM 4

Dimensions



Size and weight

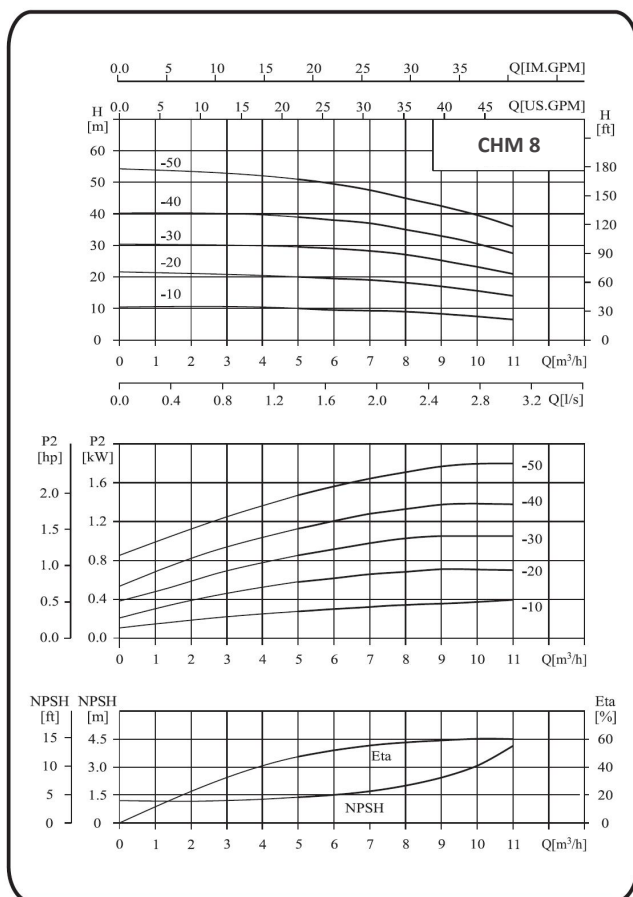
Model	Size(mm)						Weight (kg)
	L1	L2	L3	D	H	K	
CHM 4-20	329	105	102	145	215/230	/96	15
CHM 4-30	356	132	129	145	215/230	/96	15
CHM 4-40	416	162	156	170	225/245	/100	17
CHM 4-50	455	188	183	170	225/245	/100	17
CHM 4-60	482	213	210	170	225/245	/100	17

Performance table

Model	Driving motor		Q (m³/h)	1	2	3	4	5	6	7
	(kW)	(hp)								
CHM 4-20	0.55	0.75	H (m)	19	18	17	15	12.5	10	8
CHM 4-30	0.55	0.75		28	27	26	23.5	20.5	17	13
CHM 4-40	0.75	1		37.5	36	34	31	27	23	19
CHM 4-50	1.1	1.5		47	45	42.5	39	34	29	23
CHM 4-60	1.1	1.5		56	54	51	47	41.5	35.5	28

Technical Data(50HZ)

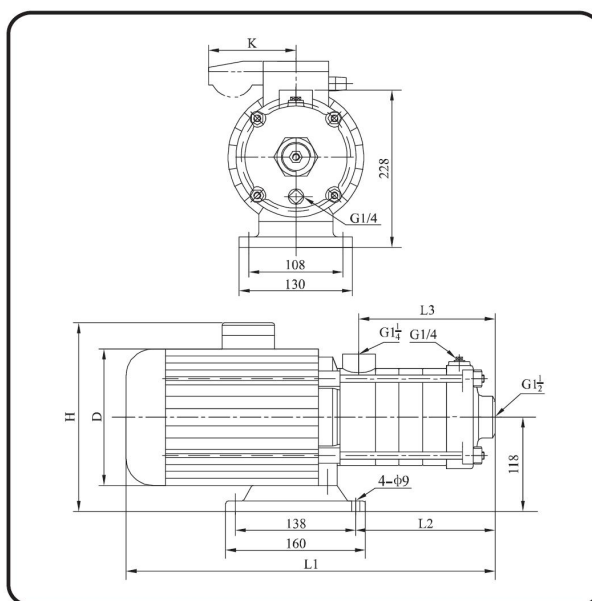
Performance curve



ISO9906 Annex A

CHM 8

Dimensions



Size and weight

Model	Size(mm)						Weight (kg)
	L1	L2	L3	D	H	K	
CHM 8-10	395	126	108	170	230/265	/100	20
CHM 8-20	395	126	108	170	230/265	/100	20
CHM 8-30	425	156	138	170	230/265	/100	25
CHM 8-40	490	186	168	180	240/270	/100	28
CHM 8-50	520	216	198	180	240/270	/100	30

Performance table

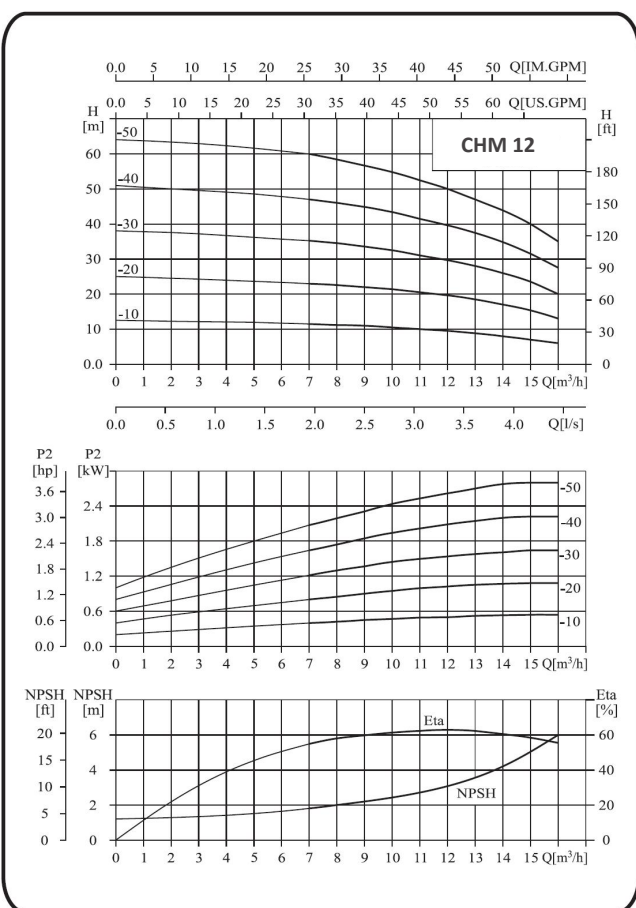
Model	Driving motor		Q (m³/h)	5	6	7	8	9	10	11
	(kW)	(hp)								
CHM 8-10	0.75	1	H (m)	10	9.5	9.3	9	8	7.5	7
CHM 8-20	0.75	1		20	19.5	19	18	17	15.5	14
CHM 8-30	1.1	1.5		29.5	29	28	27	25	23	21
CHM 8-40	1.5	2		39	38	37	35	33	30.5	27.5
CHM 8-50	2.2	3		51	49.5	47.5	45	42.5	39.5	36



CHEMNium

Technical Data(50HZ)

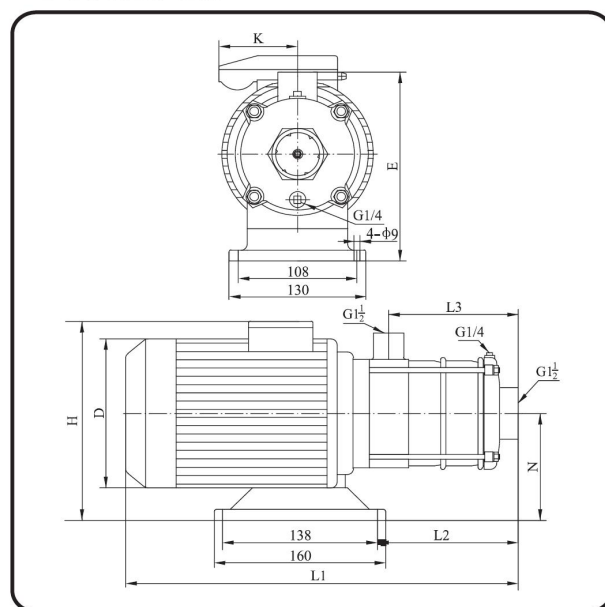
Performance curve



ISO9906 Annex A

CHM 12

Dimensions



Size and weight

Model	Size(mm)								weight (kg)
	L1	L2	L3	H	D	E	N	K	
CHM 12-10	395	126	108	230/265	170	228	118	/100	20
CHM 12-20	395	126	108	230/265	170	228	118	/100	21
CHM 12-30	460	156	138	240/270	180	228	118	/100	25
CHM 12-40	490	186	168	240/270	180	228	118	/100	29
CHM 12-50	555	216	198	270/	195	240	126		34

Performance table

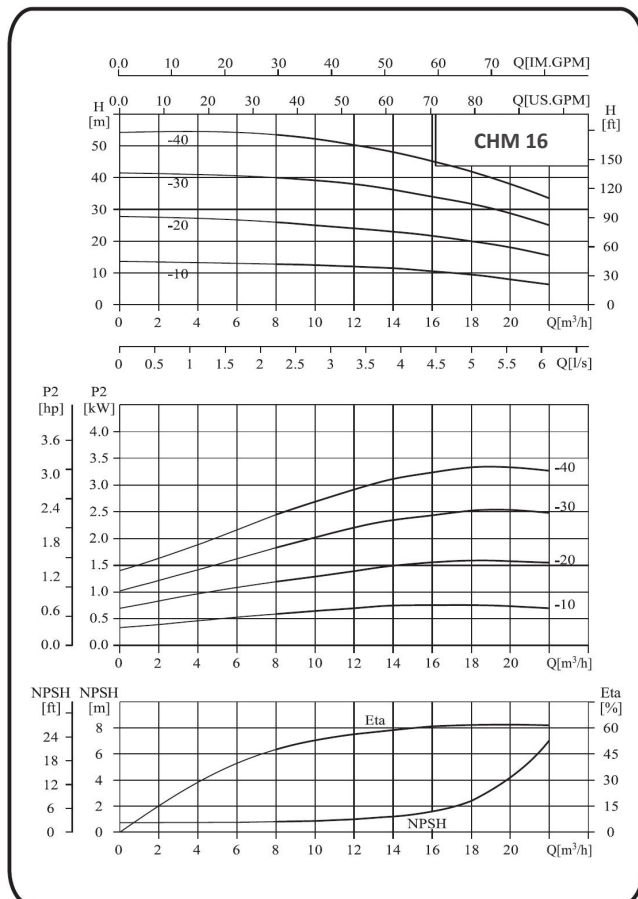
Model	Driving motor		Q (m³/h)	7	8	9	10	11	12	13	14	15	16
	(kW)	(hp)											
CHM 12-10	0.75	1	H (m)	11.5	11.2	11	10.5	10	9.5	9	8	7	6
CHM 12-20	1.2	1.6		23	22.5	22	21.5	20.5	19.5	18.5	17	15.5	13
CHM 12-30	1.8	2.4		35	34.5	33.5	32.5	31	29.5	28	26	23.5	20
CHM 12-40	2.4	3.3		47	46	45	43.5	41.5	39.5	37.5	35	31.5	27.5
CHM 12-50	3	4		60	58	56.5	55	52.5	50	47	44	40	35



CHEMNIUM

Technical Data(50HZ)

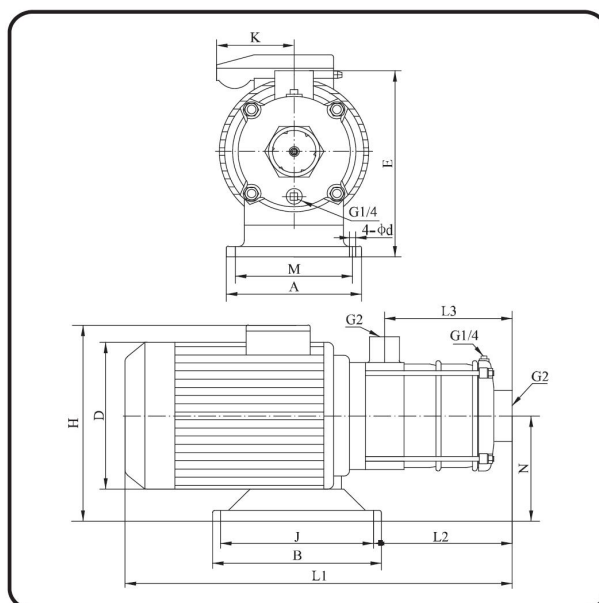
Performance curve



ISO9906 Annex A

CHM 16

Dimensions



Size and weight

Model	Size(mm)													Weight (kg)
	L1	L2	L3	H	D	E	N	A	M	B	J	d	K	
CHM 16-10	423	151	126	230/265	170	227	117	130	108	160	138	9	/100	17.5
CHM 16-20	455	151	126	240/270	180	228	118	130	108	160	138	9	/100	27
CHM 16-30	561	196	171	270/	195	240	130	130	108	160	138	9		33
CHM 16-40	621	340	216	270/	220	230	120	230	190	170	140	12		41

Performance table

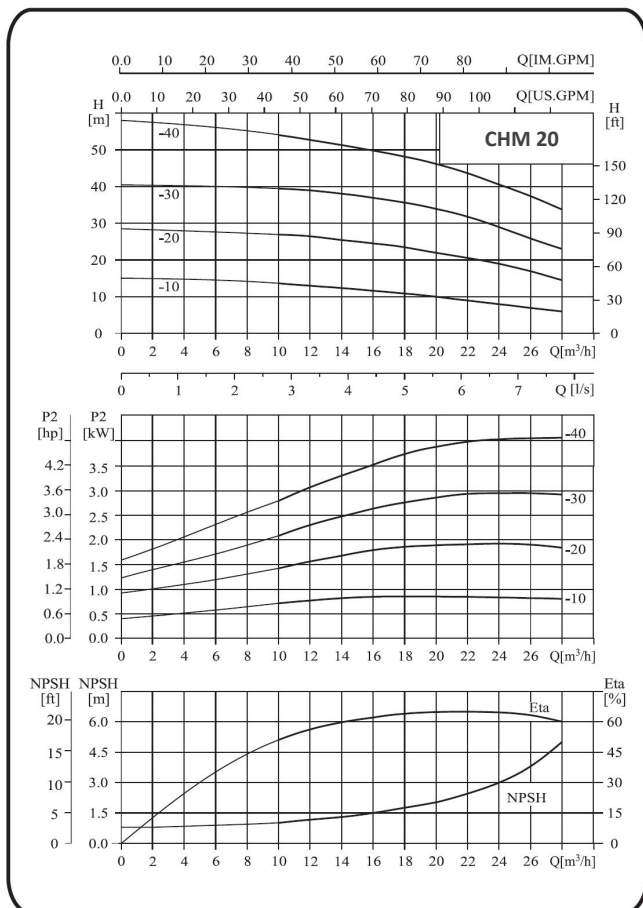
Model	Driving motor		Q (m³/h)	8	10	12	14	16	18	20	22
	(kW)	(hp)									
CHM 16-10	1.1	1.5	H (m)	12.8	12.5	12	11.5	10.5	9.5	8	7
CHM 16-20	2.2	3		26	25	24	23	21.7	20	18	15.5
CHM 16-30	3	4		40	39	38	36	34	31.5	29	25
CHM 16-40	4	5.5		53.5	52	50	48	45	42	38	33.5



CHEMNIUM

Technical Data(50HZ)

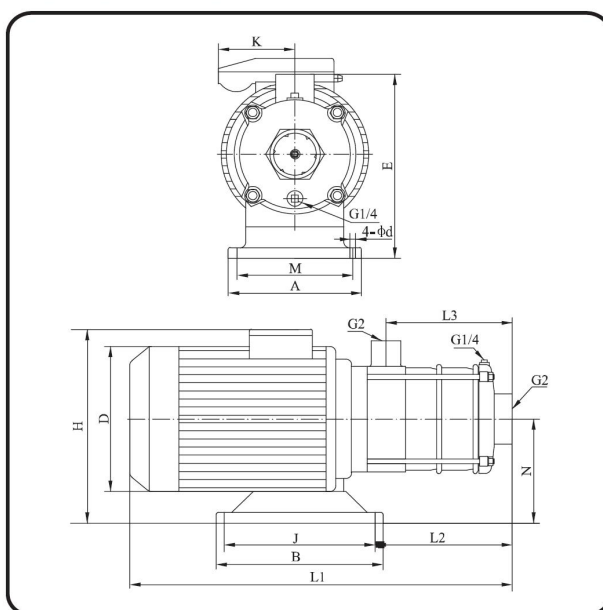
Performance curve



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CHM 20

Dimensions



Size and weight

Model	Size(mm)													Weight (kg)
	L1	L2	L3	H	D	E	N	A	M	B	J	d	K	
CHM 20-10	423	151	126	230/265	170	227	117	130	108	160	138	9	/100	17.5
CHM 20-20	455	151	126	240/270	180	228	118	130	108	160	138	9	/100	27
CHM 20-30	576	294	171	270/	220	230	120	230	190	170	140	12		41
CHM 20-40	621	340	216	270/	220	230	120	230	190	170	140	12		44

Performance table

Model	Driving motor		Q (m³/h)	10	12	14	16	18	20	22	24	26	28
	(kW)	(hp)											
CHM 20-10	1.1	1.5	H (m)	13.5	13	12.5	12	11	10	9	8	7	6
CHM 20-20	2.2	3		27	26.5	25.5	25	23.5	22	20.5	18.5	17	14.5
CHM 20-30	4	5.5		39.5	39	38	37.5	35.5	34	31.5	29	26	23
CHM 20-40	4.4	6		53	52	51	50	48.5	46.5	43	40	36	32.5