VERTICAL MULTISTAGE PUMPS “HMC-SV”



TECHNICAL FEATURES

- Water supply: pressure boosting for main pipes and high-rise buildings.
- Industrial pressure boosting: water systems, cleaning systems, high-pressure washing systems and firefighting systems.
- Pressure boosting for pressure tanks, sprinkler irrigation and trickle irrigation.
- Air-conditioning, cooling systems and industrial cleaning.



HBMC-SV (on request)



HMC-SV

ADDITIONAL FEATURES

- Economical vertical multistage pumps.
- Suitable for a wide range of temperatures, flow rates and pressures.
- Inlet and outlet can be rotated to suit the installation.
- Easy installation and maintenance.
- Advanced hydraulic design for stable operation and high efficiency.
- Cast iron inlet and outlet with special anti-rust treatment.
- High-strength engineering-plastic flow-passage components.
- Reliable stainless steel welded shaft.

MOTOR

- Single-phase 220 V / 50 Hz (60 Hz on request)
- Three-phase 380 V / 50 Hz (60 Hz on request)

WORKING CONDITION

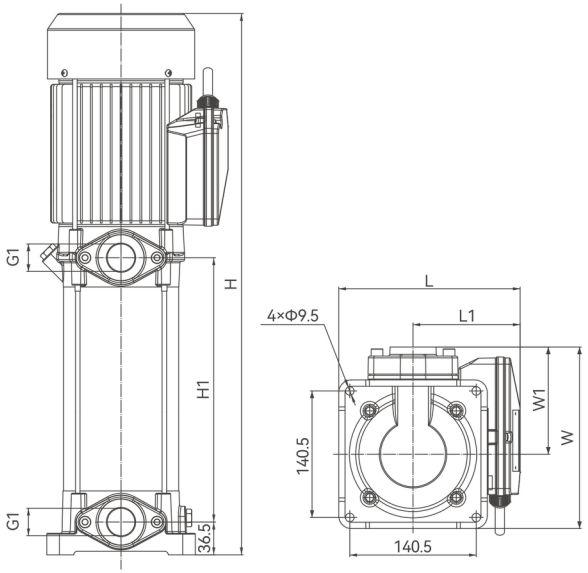
- Liquid temperature up to 75 °C
- Ambient temperature up to 40 °C
- Maximum operating pressure 15 bar
- Altitude up to 1000 m
- Motor speed: 2850 RPM

VERTICAL MULTISTAGE PUMPS “HMC-SV”

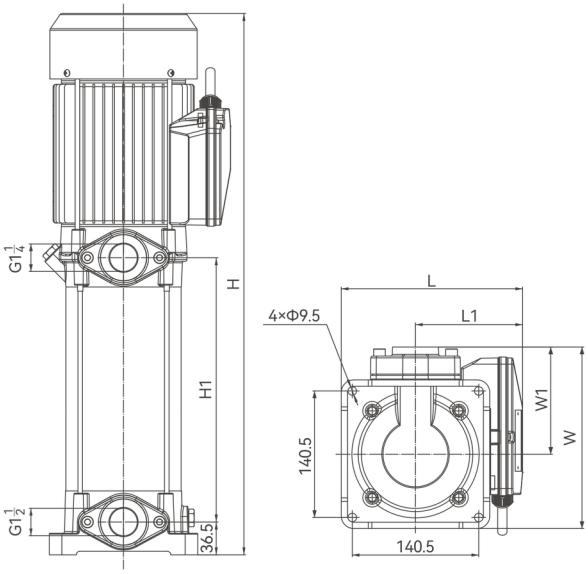
MATERIALS

COMPONENT	CONSTRUCTION
Pump body	Cast iron + Stainless steel
Pump support	Cast iron
Motor housing	Aluminium
Impeller	Techno-polymer
Motor shaft	AISI 304 SS
Mechanical seal	Ceramic / Graphite

OVERALL DIMENSION



HMC2-SV,HMC4-SV



HMC6H-SV

Dimensions in mm

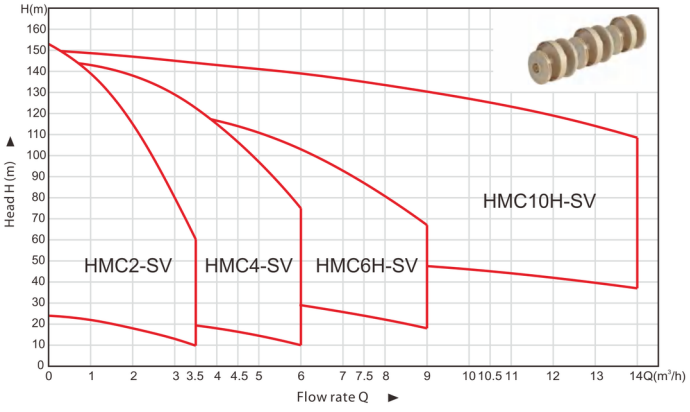
MODEL	H	H1	L	L1	W	W1
HMC2-2SV	388	130.5	182	99.5	202	119
HMC2-3SV	412	154.5	182	99.5	202	119
HMC2-4SV	436	178.5	182	99.5	202	119
HMC2-5SV	460	202.5	182	99.5	202	119
HMC2-6SV	484	226.5	182	99.5	202	119
HMC2-7SV	527	250	209	119	202	119

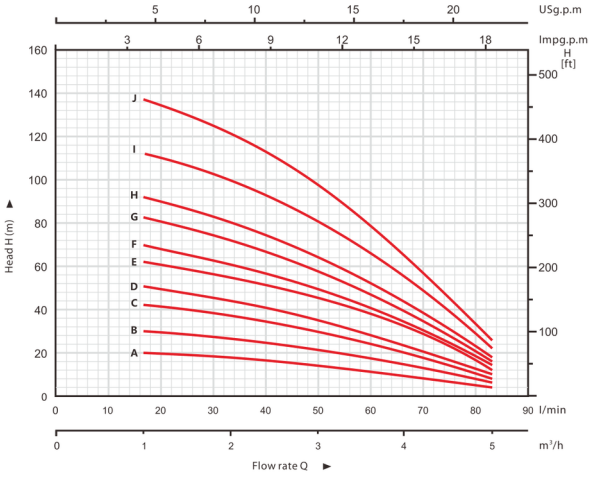
VERTICAL MULTISTAGE PUMPS “HMC-SV”

MODEL	H	H1	L	L1	W	W1
HMC2-8SV	551	274	209	119	202	119
HMC2-9SV	575	298	209	119	202	119
HMC2-11SV	654	346	209	119	202	119
HMC2-13SV	701	393.5	209	119	202	119
HMC4-2SV	388	130.5	182	99.5	202	119
HMC4-3SV	412	154.5	182	99.5	202	119
HMC4-4SV	436	178.5	182	99.5	202	119
HMC4-5SV	479	202.5	209	119	202	119
HMC4-6SV	503	226.5	209	119	202	119
HMC4-7SV	558	250	209	119	202	119
HMC4-8SV	582	274	209	119	202	119
HMC4-10SV	630	322	209	119	202	119
HMC4-12SV	733	376	236	134	216	119
HMC6H-3SV	439	162	209	119	201	118
HMC6H-4SV	465	189	209	119	201	118
HMC6H-5SV	523	215	209	119	201	118
HMC6H-6SV	549	242	209	119	201	118
HMC6H-8SV	658	300	236	134	215	118
HMC6H-10SV	711	353	236	134	215	118

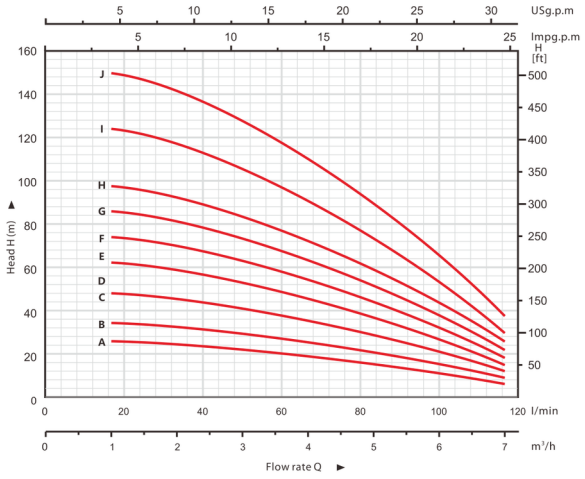
VERTICAL MULTISTAGE PUMPS “HMC-SV”

PERFORMANCE CHART AT n = 2850 RPM

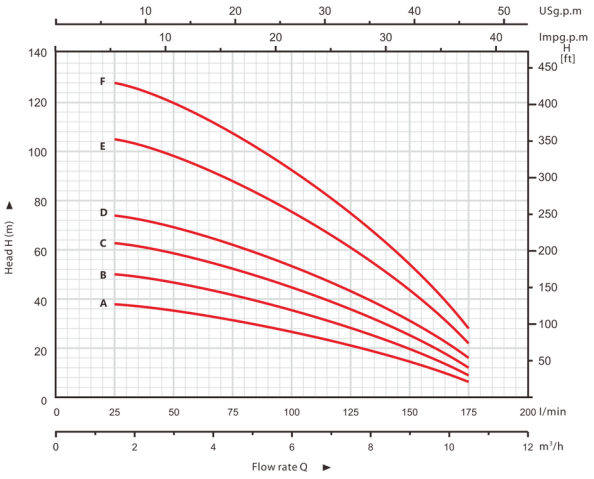




HMC2-SV

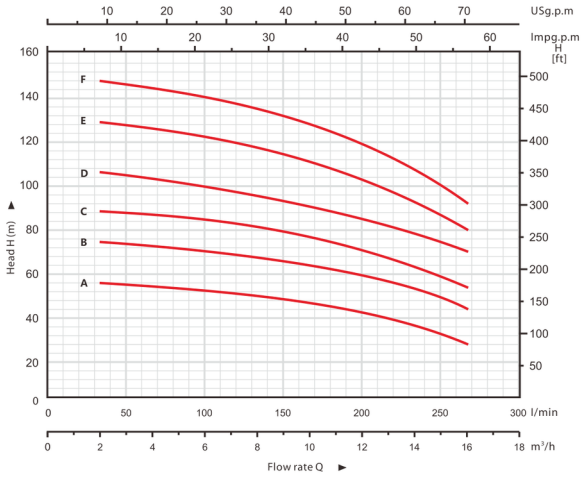


HMC4-SV



HMC6H-SV

VERTICAL MULTISTAGE PUMPS “HMC-SV”



HMC10H-SV

HMC2-SV

NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	1	2	3	4	5
				Q (l/min)	0	16.7	33.3	50	66.7	83.3
A	HMC2-2SV	0.37	0.5	H (m)	21	20	18	14	9	4
B	HMC2-3SV	0.55	0.75	H (m)	31	30	27	21	14	6
C	HMC2-4SV	0.75	1	H (m)	42	41	36	28	19	8
D	HMC2-5SV	1	1.3	H (m)	52	51	45	36	25	10
E	HMC2-6SV	1	1.3	H (m)	62	61	54	43	30	12
F	HMC2-7SV	1.1	1.5	H (m)	74	72	63	51	35	14
G	HMC2-8SV	1.5	2	H (m)	85	82	72	58	40	16
H	HMC2-9SV	1.5	2	H (m)	95	92	82	66	45	18
I	HMC2-11SV	1.8	2.5	H (m)	118	114	102	82	55	22
J	HMC2-13SV	2.2	3	H (m)	138	133	120	96	65	26

VERTICAL MULTISTAGE PUMPS “HMC-SV”

HMC4-SV

NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	1	2	3	4	5	6	7
				Q (l/min)	0	16.7	33.3	50	66.7	83.3	100	116.7
A	HMC4-2SV	0.55	0.75	H (m)	25	24	22.5	20	17	14	10	6
B	HMC4-3SV	0.75	1	H (m)	38	36	34	31	27	22	16	9
C	HMC4-4SV	1	1.3	H (m)	50	48	46	42	36	29	21	12
D	HMC4-5SV	1.5	2	H (m)	63	61	58	54	48	39	28	15
E	HMC4-6SV	1.5	2	H (m)	76	74	70	65	58	48	35	18
F	HMC4-7SV	2.2	3	H (m)	88	86	82	76	68	56	41	22
G	HMC4-8SV	2.2	3	H (m)	100	98	94	88	78	64	47	25
H	HMC4-10SV	2.2	3	H (m)	126	124	120	111	98	81	59	31
I	HMC4-12SV	3	4	H (m)	151	149	145	136	120	99	72	38

HMC6H-SV

NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	1.5	3	4.5	6	7.5	9	10.5
				Q (l/min)	0	25	50	75	100	125	150	175
A	HMC6H-3SV	1.1	1.5	H (m)	40	38	36	33	28	22	15	6
B	HMC6H-4SV	1.5	2	H (m)	53	50	47	43	38	30	20	9
C	HMC6H-5SV	1.8	2.5	H (m)	66	63	60	55	48	38	26	12
D	HMC6H-6SV	2.2	3	H (m)	79	76	72	67	59	48	33	16
E	HMC6H-8SV	3	4	H (m)	105	102	98	91	80	64	45	22
F	HMC6H-10SV	4	5.5	H (m)	132	128	121	112	100	83	59	28

HMC10H-SV

NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	2	4	6	8	10	12	14	16
				Q (l/min)	0	33	67	100	133	167	200	233	267
A	HMC10H-3SV	3	4	H (m)	56	55	54	52	49	46	42	37	29
B	HMC10H-4SV	4	5.5	H (m)	75	74	73	70.5	67.5	64	59	52.5	43
C	HMC10H-5SV	5.5	7.5	H (m)	93	90.5	88	85	81.5	77	71	63.5	55
D	HMC10H-6SV	5.5	7.5	H (m)	113	111.5	109	105.5	101	96	88	79	68
E	HMC10H-7SV	7.5	10	H (m)	132	130	127	123	118	112	104	94	81
F	HMC10H-8SV	7.5	10	H (m)	150	147	143	139	133.5	127	119	108.5	94

VERTICAL MULTISTAGE PUMPS “HMC-SV”

TECHNICAL DATA

NO.	MODEL	INLET / OUTLET (inch)	N.W. (kg)	L × W × H (mm)
A	HMC2-2SV	1" × 1"	14.2	440 × 245 × 255
B	HMC2-3SV	1" × 1"	14.8	465 × 245 × 255
C	HMC2-4SV	1" × 1"	16.9	490 × 245 × 255
D	HMC2-5SV	1" × 1"	17.3	510 × 245 × 255
E	HMC2-6SV	1" × 1"	18.4	535 × 245 × 255
F	HMC2-7SV	1" × 1"	20.8	575 × 245 × 265
G	HMC2-8SV	1" × 1"	22.2	600 × 245 × 265
H	HMC2-9SV	1" × 1"	23.5	625 × 245 × 265
I	HMC2-11SV	1" × 1"	25.0	705 × 245 × 265
J	HMC2-13SV	1" × 1"	26.8	750 × 245 × 265
A	HMC4-2SV	1" × 1"	14.8	440 × 245 × 255
B	HMC4-3SV	1" × 1"	16.5	465 × 245 × 255
C	HMC4-4SV	1" × 1"	17.6	490 × 245 × 255
D	HMC4-5SV	1" × 1"	20.7	530 × 245 × 265
E	HMC4-6SV	1" × 1"	21.9	555 × 245 × 265
F	HMC4-7SV	1" × 1"	23.5	610 × 245 × 265
G	HMC4-8SV	1" × 1"	24.0	635 × 245 × 265
H	HMC4-10SV	1" × 1"	26.1	680 × 245 × 265
I	HMC4-12SV	1" × 1"	38.2	805 × 290 × 300
A	HMC6H-3SV	1½" × 1¼"	19.1	490 × 245 × 265
B	HMC6H-4SV	1½" × 1¼"	21.1	515 × 245 × 265
C	HMC6H-5SV	1½" × 1¼"	23.2	575 × 245 × 265
D	HMC6H-6SV	1½" × 1¼"	24.6	600 × 245 × 265
E	HMC6H-8SV	1½" × 1¼"	36.0	730 × 290 × 300
F	HMC6H-10SV	1½" × 1¼"	39.9	780 × 290 × 300

Performance values at n = 2850 rpm, 50 Hz. Specifications are subject to change without notice.