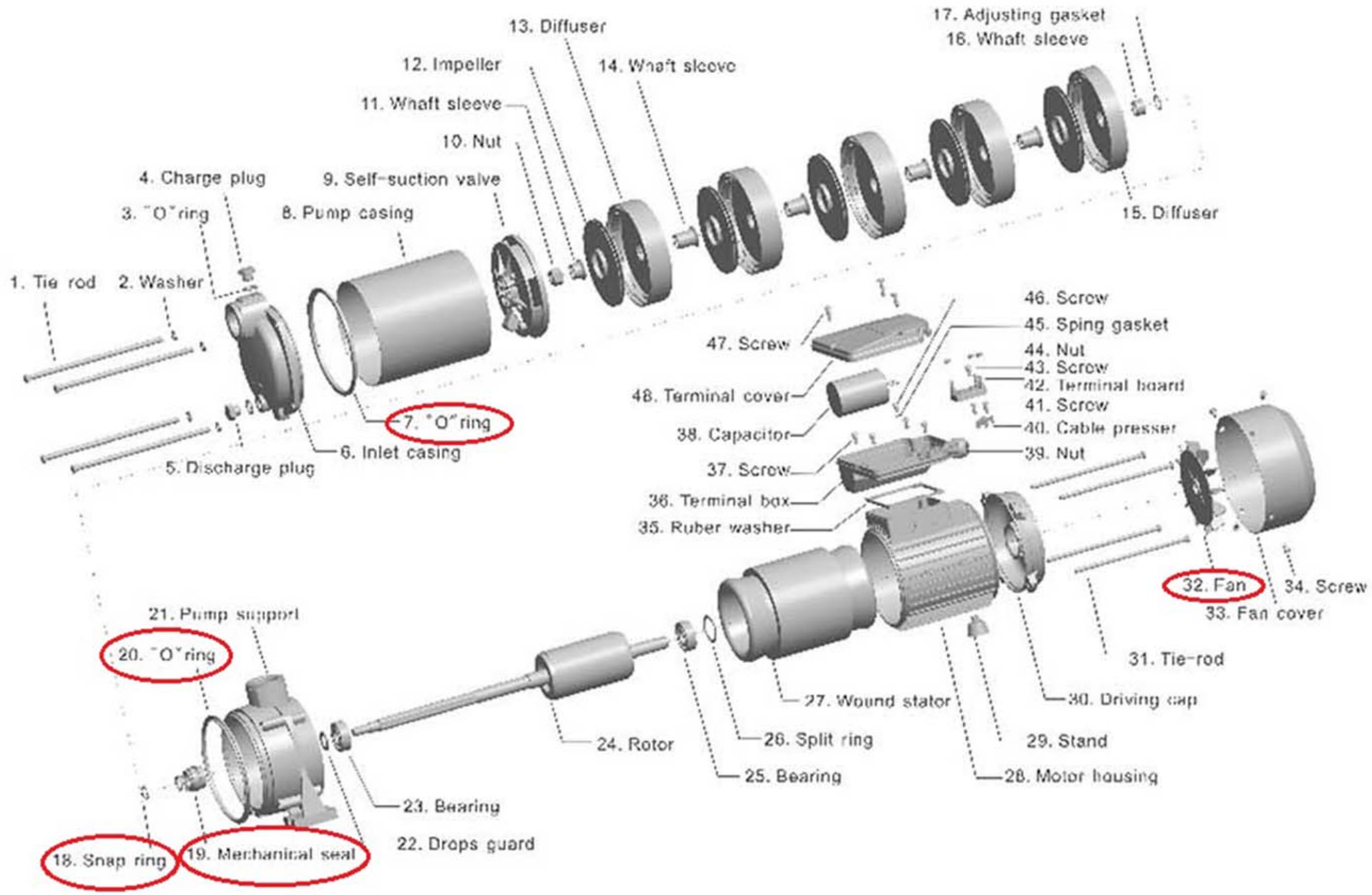
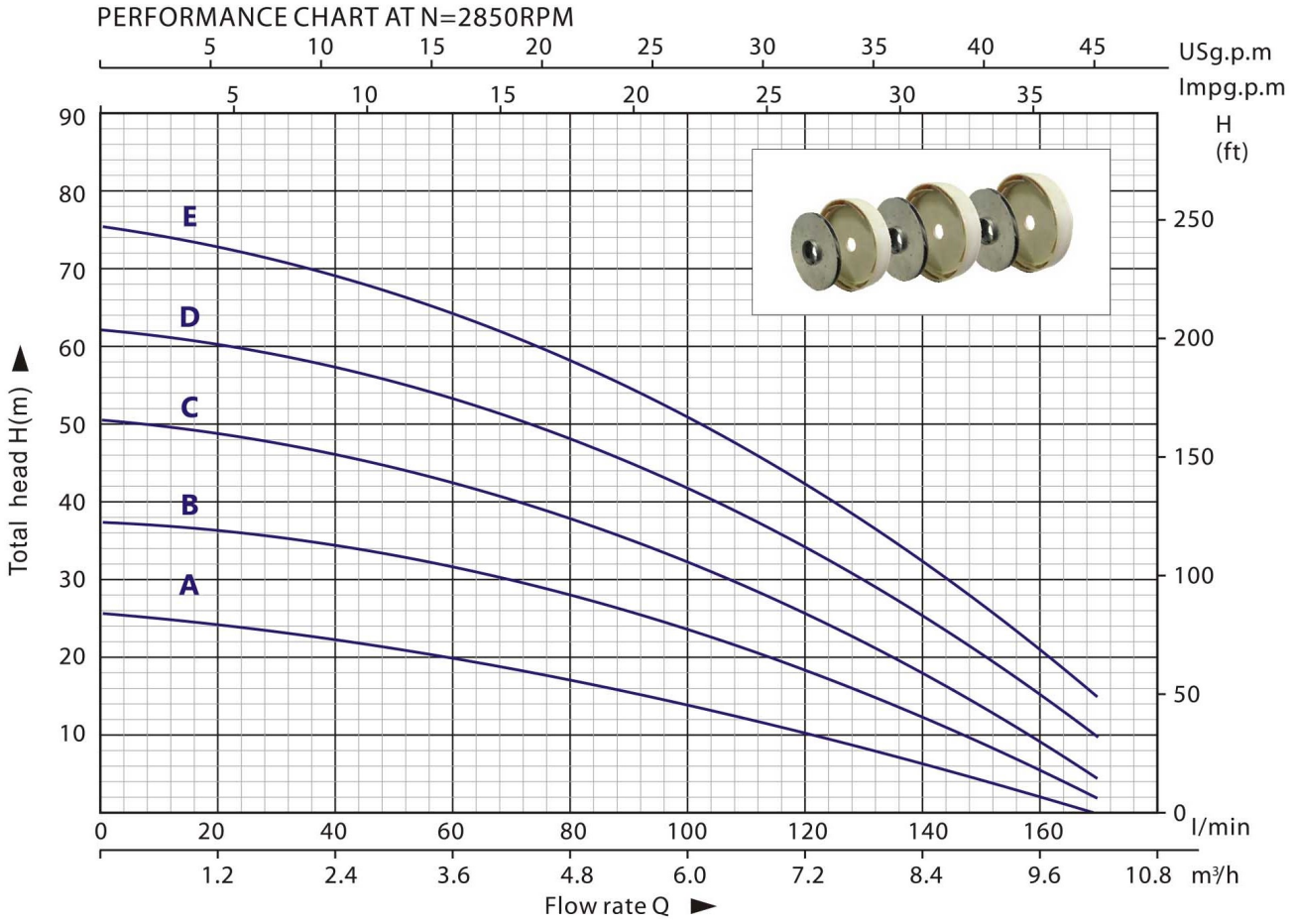
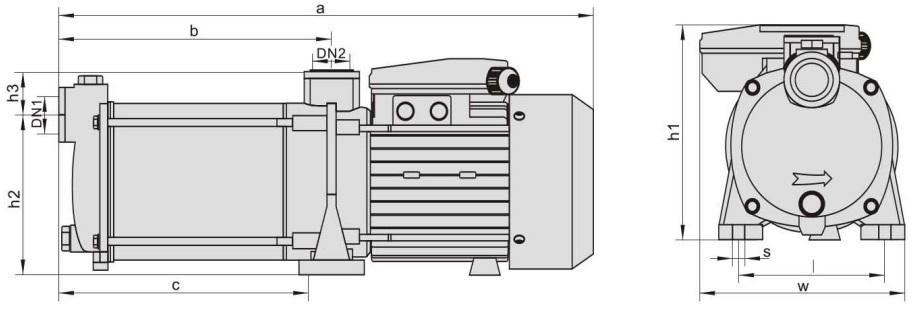
Explode drawing

HMC-SH HORIZONTAL MULTISTAGE PUMPS



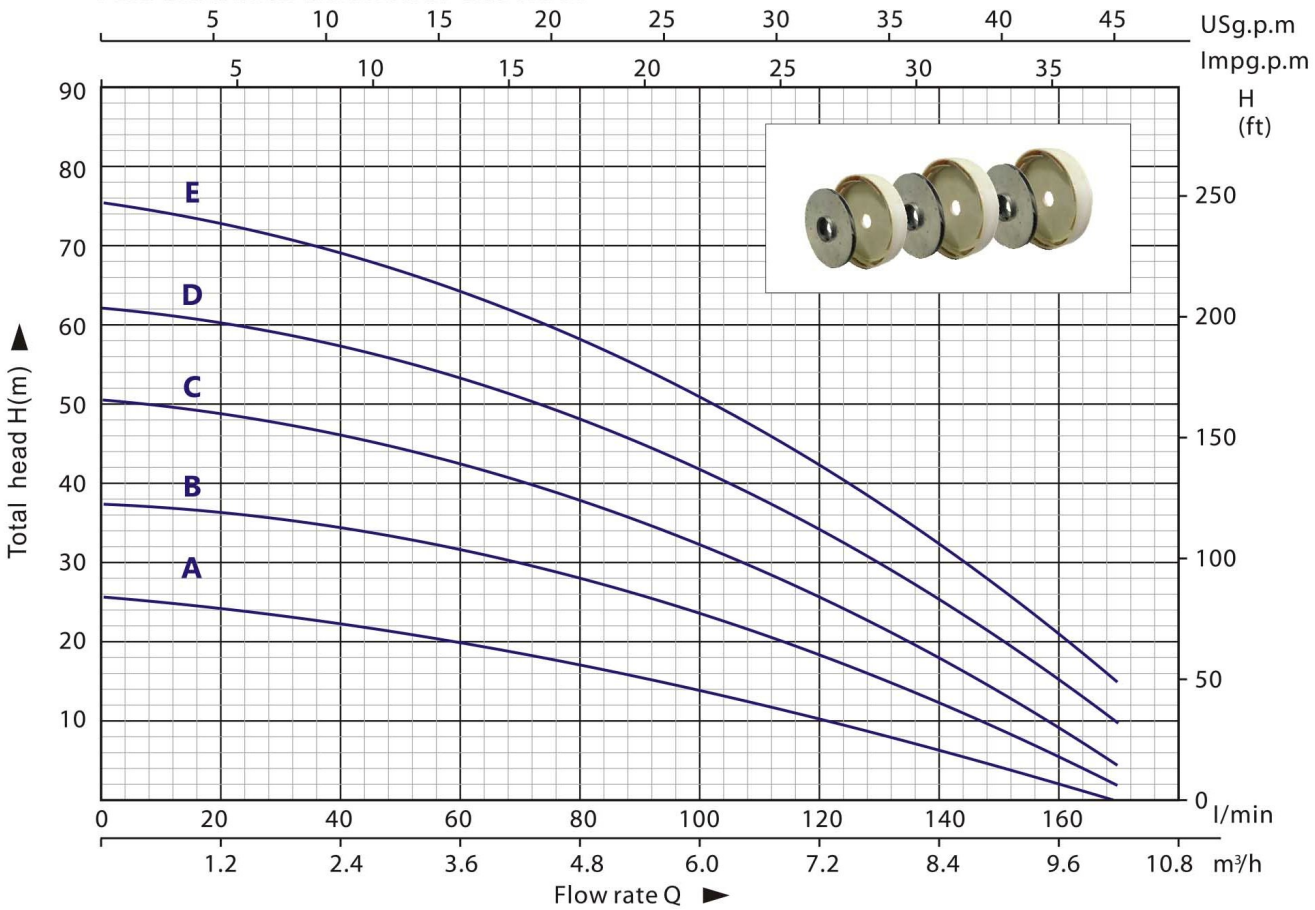


NO.	Model	Power		Q(m³/h)	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.2
		kW	HP	Q(l/min)	0	20	40	60	80	100	120	140	160	170
A	HMC170-2SH	0.75	1	H	25	24	23	20	17	13	10	6	2	0
B	HMC170-3SH	1	1.4		37	36	35	32	28	23	18	12	6	3
C	HMC170-4SH	1.35	1.8		50	49	46	43	38	32	25	17	9	5
D	HMC170-5SH	1.65	2.2		62	60	58	54	48	42	34	25	15	10
E	HMC170-6SH	2.1	2.8		75	73	70	65	58	50	42	32	21	15

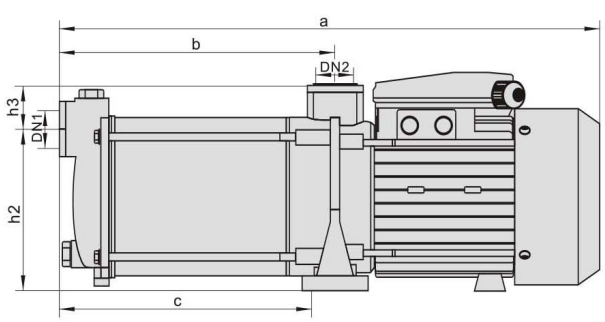


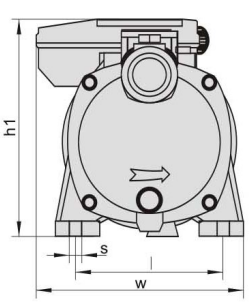
Model	Dn1	Dn2	DIMENDION								
			a	b	c	h1	h2	h3	w	l	s
HMC170-2SH	1.25"	1.25"	360	143.5	150	176	129	35	168	118	10
HMC170-3SH	1.25"	1.25"	385	168	150	176	129	35	168	118	10
HMC170-4SH	1.25"	1.25"	460	218	192	208	144	45	193	130	10
HMC170-5SH	1.25"	1.25"	460	218	192	208	144	45	193	130	10
HMC170-6SH	1.25"	1.25"	525	245	220	225	154	45	193	130	10

PERFORMANCE CHART AT N=2850RPM



NO.	Model	Power		Q(m³/h)	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.2
		kW	HP	Q(l/min)	0	20	40	60	80	100	120	140	160	170
A	HMC170-2SH	0.75	1		25	24	23	20	17	13	10	6	2	0
B	HMC170-3SH	1	1.4		37	36	35	32	28	23	18	12	6	3
C	HMC170-4SH	1.35	1.8	H	50	49	46	43	38	32	25	17	9	5
D	HMC170-5SH	1.65	2.2		62	60	58	54	48	42	34	25	15	10
E	HMC170-6SH	2.1	2.8		75	73	70	65	58	50	42	32	21	15





Model	Dn1	Dn2	DIMENDION								
			a	b	c	h1	h2	h3	w	l	s
HMC170-2SH	1.25"	1.25"	360	143.5	150	176	129	35	168	118	10
HMC170-3SH	1.25"	1.25"	385	168	150	176	129	35	168	118	10
HMC170-4SH	1.25"	1.25"	460	218	192	208	144	45	193	130	10
HMC170-5SH	1.25"	1.25"	460	218	192	208	144	45	193	130	10
HMC170-6SH	1.25"	1.25"	525	245	220	225	154	45	193	130	10

Exp Sn:20170914182525

Pump performance experiment

Model:HMC-10SC	Meter Coeff(f/l):111.1145	inlet D(m):	0.00
Prod Sn:	Meter H Dist(m):1.30	outlet D(m):	0.04

Idx	Measured value					Calculated value				Converted to standard rotate=2850.00(r/min)				emp (K)
	Inlet P (kPa)	Outlet P (kPa)	Flow (m^3/h)	R Speed (r/min)	In Power (W)	Axial pow. (W)	Head (M)	Water Pow. (W)	Mach Effic (%)	Flow (m^3/h)	Head (M)	Axial pow. (W)	Pump Effic (%)	
1	0.01	1086.12	0.29	2909.23	1561.23	1343.43	112.13	89.80	5.75	0.29	107.61	1263.04	6.68	0.00
2	0.01	1009.76	0.62	2872.36	1949.82	1691.84	104.34	176.91	9.07	0.62	102.72	1652.64	10.46	0.00
3	0.01	906.20	1.34	2852.90	2174.38	1889.74	93.77	342.81	15.77	1.34	93.58	1883.97	18.14	0.00
4	0.01	808.88	2.14	2842.21	2262.70	1964.66	83.85	488.36	21.58	2.15	84.31	1980.85	24.86	0.00
5	0.02	702.82	2.92	2840.96	2296.14	1994.97	73.04	580.54	25.28	2.93	73.50	2014.08	29.10	0.00
6	0.03	599.13	3.67	2837.97	2312.79	2008.30	62.47	624.06	26.98	3.69	63.00	2033.95	31.07	0.00
7	-0.01	500.51	4.31	2840.97	2303.17	2001.46	52.42	614.78	26.69	4.32	52.75	2020.61	30.72	0.00
8	0.00	398.58	4.95	2844.61	2235.11	1940.65	42.03	566.85	25.36	4.96	42.19	1951.70	29.21	0.00
9	0.00	300.74	5.52	2848.19	2185.67	1897.08	32.06	481.99	22.05	5.53	32.10	1900.70	25.41	0.00
10	0.00	197.65	6.06	2854.14	2133.00	1851.85	21.56	355.83	16.68	6.05	21.50	1843.81	19.21	0.00
11	0.00	88.51	6.33	2859.44	2065.86	1792.51	10.43	179.63	8.70	6.31	10.36	1774.82	10.02	0.00
12	0.01	6.50	6.37	2865.02	1999.89	1734.17	2.06	35.78	1.79	6.34	2.04	1707.03	2.06	0.00