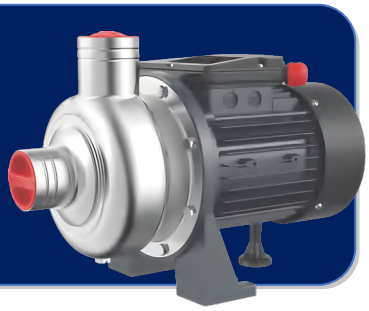
CENTRIFUGAL STAINLESS STEEL PUMPS “HBK”

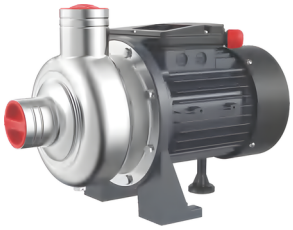


TECHNICAL FEATURES

- For clean, non-combustible, non-explosive liquids free of solid particles and fibres.
- Suitable for tap water, alkaline mineral water, softened water and mildly corrosive media.
- A higher-power motor should be considered when the density or viscosity of the pumped medium is higher than that of water.



HBK50



HBK75

MOTOR

- Two-pole induction motor (n = 2850 rpm)
- Insulation class B; protection IP44
- Continuous service S1
- Thermal protector on single-phase versions
- Single-phase 220 V / 50 Hz (60 Hz on request)
- Three-phase 380 V / 50 Hz (60 Hz on request)

WORKING CONDITION

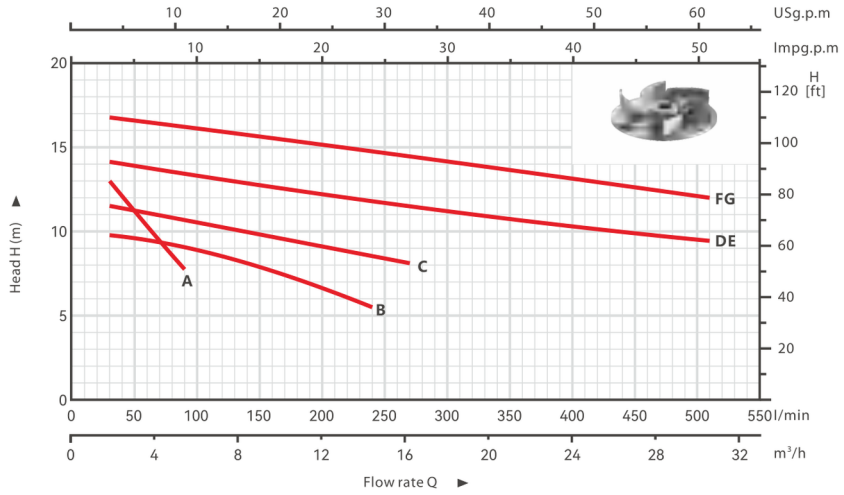
- Liquid temperature up to 60 °C
- Ambient temperature up to 40 °C
- Total suction lift up to 8 m

MATERIALS

COMPONENT	CONSTRUCTION
Pump body	AISI 304 SS
Pump support	Aluminium (0 37 kW), Cast iron (0.55~1.85 kW)
Motor housing	Aluminium
Impeller	AISI 304 SS
Motor shaft	AISI 304 SS
Mechanical seal	Ceramic / Graphite

CENTRIFUGAL STAINLESS STEEL PUMPS “HBK”

PERFORMANCE CHART AT n = 2850 RPM



NO.	MODEL	kW	HP	Q (m³/h)	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18	19.8	21.6	23.4	25.2	27	28.8	30.6
				Q (l/min)	0	30	60	90	120	150	180	210	240	270	300	330	360	390	420	450	480	510
A	HBK50	0.37	0.5	H (m)	13.5	13	10.4	7.8														
B	HBK75	0.55	0.75	H (m)	10	9.8	9.5	9.1	8.6	8	7.3	6.5	5.5									
C	HBK100	0.75	1	H (m)	12	11.4	11	10.6	10.2	9.8	9.4	9	8.6	8.2								
D	HBK200A	1.5	2	H (m)	14.5	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12	11.7	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.3
E	HBK200B	1.5	2	H (m)	14.5	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12	11.7	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.3
F	HBK250A	1.85	2.5	H (m)	17	16.8	16.5	16.2	15.9	15.6	15.3	15	14.7	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12
G	HBK250B	1.85	2.5	H (m)	17	16.8	16.5	16.2	15.9	15.6	15.3	15	14.7	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12

TECHNICAL DATA

NO.	MODEL	INLET / OUTLET (inch)	N.W. (kg)	L × W × H (mm)
A	HBK50	1¼" × 1"	5.9	310 × 195 × 225
B	HBK75	1½" × 1½"	9.7	360 × 195 × 260
C	HBK100	1½" × 1½"	11.3	360 × 195 × 260
D	HBK200A	2½" × 2"	18.2	425 × 235 × 285
E	HBK200B	2" × 2"	18.2	425 × 235 × 285
F	HBK250A	2½" × 2"	20	445 × 235 × 285
G	HBK250B	2" × 2"	20	445 × 235 × 285

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