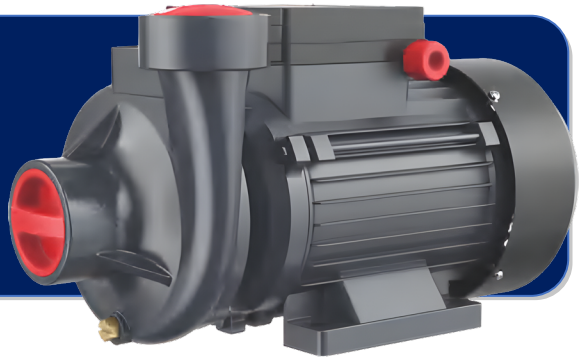
CENTRIFUGAL PUMPS “DK”

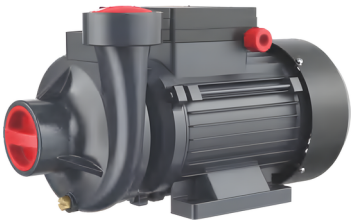


TECHNICAL FEATURES

- Suitable for clean water and liquids that are not chemically aggressive to the pump materials.
- Reliable and easy to use: widely used in domestic and civil applications such as water distribution with small and medium-sized pressure sets, liquid transfer, and the irrigation of gardens and allotments.
- Install in an enclosed area, or at least sheltered from bad weather.



1.5DK-20



2DK-20

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

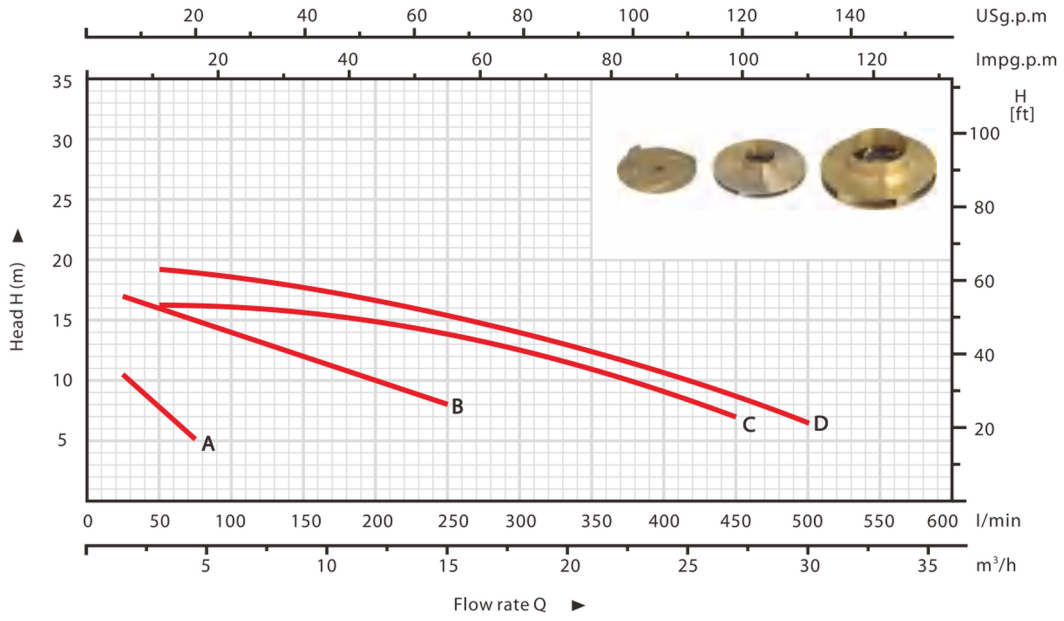
- Liquid temperature up to 60 °C
- Ambient temperature up to 40 °C
- Total suction lift up to 8 m

MATERIALS

COMPONENT	CONSTRUCTION
Pump body	Cast iron
Pump support	Cast iron
Motor housing	Aluminium
Impeller	Brass
Motor shaft	Carbon steel, AISI 304 SS on request
Mechanical seal	Ceramic / Graphite

CENTRIFUGAL PUMPS “DK”

PERFORMANCE CHART AT n = 2850 RPM



NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	1.5	3	4.5	6	9	12	15	18	21	24	27	30
				Q (l/min)	0	25	50	75	100	150	200	250	300	350	400	450	500
A	1DK-14	0.37	0.5	H (m)	13	10.5	8	5.5									
B	1.5DK-20	0.75	1	H (m)	18	17	16	15	14	12	10	8					
C	2DK-16	1.1	1.5	H (m)	17		16.5	16.3	16	15.5	15	14	12.5	11	9	7	
D	2DK-20	1.5	2	H (m)	20		19.3	19	18.5	17.7	16.7	15.5	14.2	12.5	10.5	8.5	6.5

TECHNICAL DATA

NO.	MODEL	INLET / OUTLET (inch)	N.W. (kg)	L × W × H (mm)
A	1DK-14	1" × 1"	7.3	275 × 180 × 195
B	1.5DK-20	1½" × 1½"	10.7	320 × 185 × 210
C	2DK-16	2" × 2"	16	445 × 245 × 255
D	2DK-20	2" × 2"	17	445 × 245 × 255

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