

FIRE FIGHTING MONOBLOC PUMPS

MATERIAL OF CONSTRUCTION (AS APPLICABLE)

Standard Supply

Impeller/Diffuser : Cast iron
Motor Body : Cast iron
Delivery Casing : Cast iron
Shaft : Carbon Steel
Protection : IP 44
Sealing : Mechanical seal/
Gland Packed

Optional Supply

Bronze I
Stainless Steel
IP 55

ATTRIBUTES

- Flatter efficiency curve for efficient operation
- Mechanical seal fitted for reliable operations
- Design for automatic air release during priming
- High speed pump
- Replace wearing parts
- Designed to prevent overloading
- Dynamically balanced rotating parts ensuring minimum vibration during running
- KDS (FF) impeller and delivery casing are C.E.D coated

BENEFITS OF MECHANICAL SEAL

- Instant & definite operation even after long idle time
- No leakage in pump
- Less chances of corrosion due to zero leakage
- More reliable, less maintenance & downtime
- Less power consumption
- Longer life

DIRECTION OF ROTATION

When viewed from suction side
Anticlockwise: KDS (FF)
Clockwise: SRF

APPLICATIONS

- Fire Fighting
- Boosting pump in fighting system

SRF (Three Phase Monobloc Pump)



RANGE AND TECHNICAL SPECIFICATIONS

Head range : Upto 94 meters
Discharge range : Upto 29 LPS
Power Rating : 18.3 - 22 kW (25 - 30 HP)
Voltage Range : 300 - 440 V (Three Phase)

Approximate performance of SRF series, 2 pole, Monobloc Pumps, at rated Voltage, 50 Hz, three phase A.C. Power supply:

Pump Model	Power Rating kW	Pipe Size (mm)	TOTAL HEADS IN METERS												Rated Voltage (volts)							
			28	32	36	40	44	48	52	56	60	64	68	72		76	80	84	90	94		
			CAPACITY IN LITRES PER SECOND																			
SRF-2570	18.3	100	100	-	-	23	21.5	20.2	19.2	18	16	14.3	12	8	-	-	-	-	415			
SRF-3085	22	30	100	100	-	28.5	28	26.5	25	24	22.8	21.5	20	18.3	17.2	15.8	13.6	11.5	3.5	415		
SRF-3095	22	30	100	100	-	-	-	-	-	-	-	-	-	-	-	19.25	19.1	17.5	16	10	6	415

KDI (Industrial Monobloc Pump)



RANGE AND TECHNICAL SPECIFICATIONS

Head range : Upto 76 meters
Discharge range : Upto 35.3 LPS
Power Rating : 1.5 - 22 kW
(2.0 - 30.0 HP)
Voltage Range : 350 - 440 V (Three Phase)

Power Model	Pipe Size (mm)	Suct. Del.	DISCHARGE IN LITRES PER SECOND																	Rated Voltage (volts)									
			6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	40		44	48	52	56	60	64	68	72	76
KDI-216	1.5	2	65	50	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-225	1.5	2	50	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-235	1.5	2	50	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-318	2.2	3	65	50	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-318	2.2	3	60	50	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-325	2.2	3	65	50	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-335	2.2	3	50	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-515	3.7	5	80	80	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-520	3.7	5	80	80	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-527	3.7	5	80	80	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-538	3.7	5	65	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-550	3.7	5	50	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-822	5.5	7.5	100	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-830	5.5	7.5	80	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-837	5.5	7.5	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-844	5.5	7.5	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-852	5.5	7.5	65	65	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-1030	7.5	10	100	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-1040	7.5	10	80	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-1050	7.5	10	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-1065	7.5	10	65	65	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-1331	9.3	12.5	100	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-1348	9.3	12.5	80	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-1360	9.3	12.5	65	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-1570	11	15	65	65	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-1575	11	15	65	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-2050	15	20	100	100	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-2560	18.3	25	100	80	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDI-3068	22	30	100	100	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415

Approximate performance of KDI, 2 Pole, Monobloc IP 55, Monobloc Pumps, at rated voltage, 50 Hz, Three Phase A.C. power supply: