



Enriching Lives

PERFORMANCE CHART FOR 'SRF' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																					
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS														
		kW	HP	SUC.	DEL.		32	36	40	44	48	52	56	60	64	68	72	76	80	90	94
1	SRF-2570	18.3	25	100	100	415	-	-	23.0	21.5	20.2	19.2	18.0	16.0	14.3	12.0	8.0	-	-	-	
2	SRF-3085	22	30	100	100	415	28.5	28.0	26.5	25.0	24.0	22.8	21.5	20.0	18.3	17.2	15.8	13.6	11.5	3.5	
3	SRF-3095	22	30	100	100	415	-	-	-	-	-	-	-	-	-	19.3	19.1	17.5	16.0	10.0	6.0

PERFORMANCE CHART FOR 'KS+' SERIES, 4 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																				
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	Rated Speed (RPM)	TOTAL HEAD IN METERS												
		kW	HP	SUC.	DEL.			5	6	8	10	12	14	16	18	20	22			
1	KS-316+	2.2	3	65	50	415	1400	-	-	-	-	13.4	11.6	9.3	-	-	-	-	-	-
2	KS-513+	3.7	5	100	100	415	1420	-	34.0	30.9	27.0	22.0	-	-	-	-	-	-	-	-
3	KS-516+	3.7	5	80	65	415	1420	-	-	-	-	23.7	20.8	17.5	13.2	-	-	-	-	-
4	KS-810+	5.5	7.5	150	150	400	1420	66.0	63.5	55.0	43.5	-	-	-	-	-	-	-	-	-
5	KS-817+	5.5	7.5	100	100	400	1420	-	-	-	34.4	31.8	29.0	25.3	19.2	-	-	-	-	-
6	KS-823+	5.5	7.5	100	80	400	1420	-	-	-	-	27.3	25.0	22.2	18.8	14.5	-	-	-	-
7	KS-1012+	7.5	10	150	150	400	1420	-	72.5	67.0	59.5	49.5	30.0	-	-	-	-	-	-	-
8	KS-1022+	7.5	10	100	100	400	1430	-	-	-	-	-	-	36.0	33.0	29.0	24.2	17.5	-	-

Note: All pumps except KS-810+ & KS-1012+ are ISI certified.



**THREE PHASE MONOBLOC PUMPS**



Enriching Lives

**KIRLOSKAR BROTHERS LIMITED**  
A Kirloskar Group Company  
Established 1888

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Global Presence:  
Cambodia | Egypt | India | Lao PDR | Senegal | South Africa | Thailand | The Netherlands  
United Arab Emirates | United Kingdom | United States of America | Vietnam

OUR COMPANIES

United Kingdom	U.S.A.	South Africa	India	The Netherlands
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SP-10-2017-01

**KIRLOSKAR BROTHERS LIMITED**  
A Kirloskar Group Company  
Established 1888

Service Toll-Free No.

**1800 103 4443**

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**KIRLOSKAR BROTHERS LIMITED**  
A Kirloskar Group Company  
Established 1888

TECHNICAL SPECIFICATION					
	KDS	KDI	KDT	KS	SRF
Head Range	Upto 76 meters	Upto 76 meters	Upto 110 meters	Upto 22 meters	Upto 94 meters
Discharge Range	Upto 49 lps	Upto 39 lps	Upto 20 lps	Upto 72.5 lps	Upto 28.5 lps
Power Rating	0.37 to 22 kW (0.5 to 30 HP)	1.5 to 22 kW (2 to 30 HP)	3.7 to 15 kW (5 to 20 HP)	2.2 to 7.5 kW (3 to 10 HP)	18.3 to 22 kW (25 to 30 HP)
Voltage Range	300 to 440 Volts ( Three phase)	350 to 440 Volts ( Three phase)	300 to 440 Volts ( Three phase)	300 to 440 Volts ( Three phase)	300 to 440 Volts ( Three phase)
Insulation	B class (upto 7.5 HP) / F Class(above 7.5 HP)	F Class	B / F Class	B / F Class	F Class
Protection	IP 44 / IP 55	IP 55	IP 44 / IP 55	IP 44 / IP 55	IP 55

MATERIAL OF CONSTRUCTION						
	KDS/GMC	KDI	KDT	KS	SRF	
Impeller	KDS Cast Iron/ Bronze /Stainless Steel	GMC Cast Iron/ Bronze /Noryl	Cast Iron/ Bronze /Stainless Steel	Cast Iron/ Bronze /Stainless Steel	Cast Iron/ Bronze /Stainless Steel	Cast Iron
Delivery Casing	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Motor Body	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Pump Shaft	Carbon Steel /Stainless Steel	Carbon Steel /Stainless Steel	Stainless Steel	Carbon Steel /Stainless Steel	Carbon Steel /Stainless Steel	Carbon Steel
Sealing	Gland Packed /Mechanical seal	Mechanical seal	Mechanical seal	Gland Packed	Gland Packed	Gland Packed

### APPLICATIONS

- Air conditioning and refrigeration system
- Cooling Towers
- Clear water handling at high pressure in industries
- Irrigation in horticulture & agriculture
- Fire fighting system

### FEATURES

#### Flatter Efficiency Curve

Minimum variations in efficiency during entire operating range increases the utility of pumpset for variable conditions.

#### Design to Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

#### Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which provides ease of maintenance thereby extending the life of the pump.

#### Dynamically balanced rotating parts

Minimum vibrations protect components from damages during the operations, consistent performance as concentricity is maintained.

#### CED – Cathode Electro Deposition Coating

CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life.

#### Automatic Air Release

Eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

#### High efficiency and energy saving design

Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

PERFORMANCE CHART FOR 'KDS+ / KDS++ / GMC' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																										
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS																			
		kW	HP	SUC.	DEL.		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	40			
							DISCHARGE IN LITRES PER SECOND																			
1	KDS0510*	0.37	0.5	50	40	415	3.4	2.6	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	GMC-112*	0.75	1.02	50	50	415	6.9	5.5	3.9	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	GMC-116+*	0.75	1.02	50	40	415	5.4	5.0	4.6	4.2	3.6	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-
4	GMC-123+*	0.75	1.02	32	25	415	-	-	4.0	3.6	3.2	2.7	2.2	1.6	0.9	-	-	-	-	-	-	-	-	-	-	-
5	GMC-128+*	0.75	1.02	25	25	415	-	-	-	-	1.9	1.8	1.7	1.5	1.4	1.1	0.8	0.4	-	-	-	-	-	-	-	-
6	GMC-134*	0.75	1.02	25	25	415	-	-	-	-	-	1.7	1.6	1.5	1.4	1.2	1.0	0.9	0.7	0.4	-	-	-	-	-	-
7	GMC-1.514+*	1.1	1.5	50	50	415	-	8.3	7.1	5.7	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	GMC-1.522+*	1.1	1.5	50	40	415	-	6.3	5.9	5.5	5.1	4.5	3.9	3.1	1.8	-	-	-	-	-	-	-	-	-	-	-
9	GMC-1.525+*	1.1	1.5	50	40	415	2.6	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.8	1.6	-	-	-	-	-	-	-	-	-
10	GMC-1.540*	1.1	1.5	32	25	415	-	-	-	-	-	-	-	-	2.0	1.9	1.7	1.6	1.5	1.3	1.1	0.9	0.6	-	-	-
11	KDS-212+**	1.5	2	80	80	415	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	KDS-216+**	1.5	2	65	50	415	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	KDS-225+**	1.5	2	50	40	415	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	-	-	-	-	-	-	-	-	-	-
14	KDS-235+*	1.5	2	50	40	415	-	4.1	4.1	4.1	4.0	3.9	3.7	3.5	3.3	3.0	2.9	2.3	2.0	1.3	0.5	-	-	-	-	-
15	KDS-314+*	2.2	3	80	80	415	19.0	18.0	16.4	14.5	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	KDS-318+**	2.2	3	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-
17	KDS-325+**	2.2	3	65	50	415	-	-	-	-	9.7	9.5	9.2	8.8	7.7	6.7	5.2	-	-	-	-	-	-	-	-	-
18	KDS-335+*	2.2	3	50	40	415	-	-	-	5.7	4.9	4.8	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.2	2.7	2.0	-	-	-	-
19	KDS-515+*	3.7	5	100	100	400	32.8	31.0	28.0	24.2	19.0	12.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	KDS-520+**	3.7	5	80	80	400	24.0	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0	-	-	-	-	-	-	-	-	-	-	-
21	KDS-527+**	3.7	5	80	65	400	-	-	-	-	-	14.3	13.5	12.5	11.6	10.3	8.7	6.4	-	-	-	-	-	-	-	-
22	KDS-538+**	3.7	5	65	50	400	-	-	-	-	-	-	8.5	8.4	8.3	8.1	7.8	7.6	7.1	6.5	5.8	-	-	-	-	-
23	KDS-822+**	5.5	7.5	100	100	400	-	-	27.3	25.6	24.0	22.2	20.1	17.6	14.5	-	-	-	-	-	-	-	-	-	-	-
24	KDS-830+**	5.5	7.5	80	65	400	-	-	-	-	19.0	18.2	17.3	16.4	15.4	14.2	12.7	11.1	-	-	-	-	-	-	-	-
25	KDS-837	5.5	7.5	65	65	400	-	-	-	-	-	-	-	12.6	12.5	12.2	11.8	11.1	10.3	9.0	-	-	-	-	-	-
26	KDS-1030+**	7.5	10	100	100	415	-	-	-	32.0	31.0	29.8	28.5	27.0	25.0	23.5	21.0	18.0	-	-	-	-	-	-	-	-
27	KDS-1040+**	7.5	10	80	65	415	-	-	23.5	23.0	22.6	22.2	21.6	20.9	20.3	19.5	18.7	17.9	17.0	15.7	14.6	13.4	9.6	-	-	-
28	KDS-1331+**	9.3	12.5	100	100	415	-	-	35.5	35.0	34.5	34.1	33.6	33.0	32.0	30.8	28.0	24.0	19.0	-	-	-	-	-	-	-
29	KDS-1537+**	11	15	100	100	415	-	-	36.5	36.4	36.2	36.1	36.0	35.9	35.6	35.2	34.8	33.7	31.5	28.0	24.2	16.0	-	-	-	-
30	KDS-2030+*	15	20	125	125	415	-	-	-	-	49.0	47.0	45.0	42.0	39.0	35.0	30.0	21.0	-	-	-	-	-	-	-	-

PERFORMANCE CHART FOR 'KDS+ / KDS++ / GMC' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																										
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS																			
		kW	HP	SUC.	DEL.		14	16	18	20	22	24	26	28	30	32	34	36	40	44	48	52	56			
							DISCHARGE IN LITRES PER SECOND																			
31	KDS-550+**	3.7	5	50	40	400	-	-	-	-	-	-	-	-	-	-	4.1	3.7	3.3	2.7	2.0	-	-	-	-	-
32	KDS-844	5.5	7.5	65	65	400	-	-	-	-	-	-	10.3	9.9	9.5	9.0	8.4	7.1	4.7	-	-	-	-	-	-	-
33	KDS-852+*	5.5	7.5	65	50	400	-	-	-	-	-	-	-	8.6	8.3	8.1	7.5	6.8	5.9	4.5	-	-	-	-	-	-
34	KDS-1050+**	7.5	10	65	65	415	-	-	-	-	-	-	12.5	12.2	12.0	11.7	11.4	10.7	9.6	8.1	6.0	-	-	-	-	-
35	KDS-1348+*	9.3	12.5	80	65	415	-	-	19.5	19.2	19.0	18.5	18.2	17.5	17.3	16.5	15.8	14.3	11.9	6.0	-	-	-	-	-	-
36	KDS-1360*	9.3	12.5	65	50	415	-	-	-	-	-	-	-	12.1	11.8	11.3	10.8	10.0	9.3	8.3	-	-	-	-	-	-
37	KDS-1555+**	11	15	80	65	415	-	-	-	19.9	19.8	19.6	19.5	19.4	19.2	18.8	18.5	17.4	16.0	14.5	12.2	-	-	-	-	-
38	KDS-2050+**	15	20	100	80	415	35.0	34.2	33.8	33.0	32.2	3.9	30.4	29.8	29.5	28.8	28.0	27.0	25.0	22.5	19.4	13.0	-	-	-	-

PERFORMANCE CHART FOR 'KDS+ / KDS++ / GMC' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																										
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS																			
		kW	HP	SUC.	DEL.		26	28	30	32	34	36	40	44	48	52	56	60	64	68	72	76	80			
							DISCHARGE IN LITRES PER SECOND																			
39	KDS-1065+	7.5	10	65	50	415	-	-	-	-	-	-	7.8	7.4	6.9	6.4	5.8	5.1	4.3	3.0	-	-	-	-	-	-
40	KDS-1570+*	11	15	65	50	415	-	13.4	13.2	13.0	12.8	12.7	12.5	11.7	11.5	10.7	9.7	9.0	8.0	6.5	-	-	-	-	-	-
41	KDS-1575+	11	15	65	50	415	-	-	-	-	-	-	-	-	8.1	7.7	7.4	6.9	6.4	5.8	4.9	-	-	-	-	-
42	KDS-2560+	18.5	25	100	80	415	-	-	-	-	-	-	-	24.5	22.0	18.6	13.0	-	-	-	-	-	-	-	-	-
43	KDS-3052	22	30	100	80	415	-	-	-	-	44.2	43.0	40.0	33.0	-	-	-	-	-	-	-	-	-	-	-	-
44	KDS-3068+	22	30	100	80	415	-	-	-	-	-	-	-	28.2	26.5	24.5	21.5	17.5	10.0	-	-	-	-	-	-	-

#### Note:

\* Marked pumps are ISI certified and \*\* Marked pumps are star rated.  
KDS-128+ can also be offered with pipe size 40x40 mm, 50x40 mm. KDS-318+ can also be offered with pipe size 65x50 mm.  
All the pump set from 0.5 H.P To 1.5 H.P in mechanical seal arrangement .  
2 H.P to 20 H.P in mechanical seal & gland pack arrangement except - KDS-212+ it is supplied only in mechanical seal arrangement.  
KDS-2030+ & KDS-3052 are supplied with gland packed arrangement.  
Performance applicable to liquid of specific gravity 1 and viscosity as of water.

PERFORMANCE CHART FOR 'KDI' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																									
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS																		
		kW	HP	SUC.	DEL.		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36			
							DISCHARGE IN LITRES PER SECOND																		
1	KDI-216	1.5	2	65	50	415	-	11.0																	