KDS+ / GMC

High Speed Monobloc Pump

RANGE AND TECHNICAL SPECIFICATIONS

Head Range : Upto 76 meters
Discharge Range : Upto 49 LPS
Power Rating : 0.37 - 22 kW (0.5 - 30 HP)
Voltage Range : 300 - 440 V (Three Phase)

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

Pump Model	Power Rating		Pipe Size (mm)		TOTAL HEAD IN METERS																			Rated Voltage (volts)	Current Star Status
					6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	40	44	48	52	
	kW	HP	Suc.	Del.	DISCHARGE IN LITRES PER SECOND																				
KDS 212E	1.5	2	80	80	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415	4 Star
KDS-216E	1.5	2	65	50	-	11	10	8.8	7.1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	415	5 Star
KDS-225E	1.5	2	50	40	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	2.2	-	-	-	-	-	-	-	-	415	4 Star
KDS-318E	2.2	3	80	65	-	13.4	12.6	11.7	10.7	9.2	7.5	-	--	-	-	-	-	-	-	-	-	-	-	415	5 Star
KDS-520E	3.7	5	80	80	24	23	22	20.8	19.5	17.9	16	14	11	-	-	-	-	-	-	-	-	-	-	400	5 Star
KDS-527E	3.7	5	80	65	-	-	-	-	-	14.3	13.5	12.5	11.6	10.3	8.7	6.4	-	-	-	-	-	-	-	400	5 Star
KDS-538E	3.7	5	65	50	-	-	-	-	-	-	-	8.5	8.4	8.3	8.1	7.8	7.6	7.1	6.5	5.8	-	-	-	400	5 Star
KDS-822E	5.5	7.5	100	100	-	-	-	27.3	25.6	24	22.2	20.1	17.6	14.5	-	-	-	-	-	-	-	-	-	400	4 Star
KDS-830E	5.5	7.5	80	65	-	-	-	-	-	19	18.2	17.3	16.4	15.4	14.2	12.7	11.1	-	-	-	-	-	-	400	5 Star
KDS-844E	5.5	7.5	65	65	-	-	-	-	-	-	-	-	-	-	10.8	10.3	9.9	9.5	9	8.4	7 .1	4.7	-	400	5 Star
KDS-1030E	7.5	10	100	100	-	-	-	32	31	29.8	28.5	27	25	23.5	21	18	-	-	-	-	-	-	-	415	5 Star
KDS-1040E	7.5	10	80	65	-	-	23.5	23	22.6	22.2	21.6	20.9	20.3	19.5	18.75	17.9	17	15.7	14.6	13.4	9.6	-	-	415	4 Star
KDS-1050E	7.5	10	65	65	-	-	-	-	-	-	-	-	-	-	-	12.5	12.2	12	11.7	11.4	10.7	9.6	8.1	6	5 Star
KDS-1331E	9.3	12.5	100	100	-	-	-	-	-	-	33.4	32	30.5	29	26.5	23.8	19.8	12.5	-	-	-	-	-	-	5 Star
KDS-1348E	9.3	12.5	80	65	-	-	-	-	-	-	-	-	-	-	-	18.2	17.8	17.3	16.5	15.8	14.3	11.4	6	-	4 Star
KDS-1537E	11	15	100	100	-	-	-	-	-	-	-	35.3	34.5	33	31.6	30	28	25	22	17	-	-	-	-	5 Star
KDS-1555E	11	15	80	65	-	-	-	-	-	-	-	-	-	-	-	-	-	19.2	18.8	18.5	17.4	16.0	14.5	12.2	5 Star
KDS-2050E	15	20	100	80	-	-	-	-	--	-	--	-	-	-	-	30.4	29.8	28.8	28	27	25	22.8	19.4	13	5 Star

Approximate performance of 'KDT+/ KDS+/++, 2 Pole, Monobloc Pumps, at rated voltage, 50 Hz, Three Phase A.C. power supply:

Power Model	Power Rating		Pipe Size (mm)		TOTAL HEAD IN METER																Rated Voltage (volts)
					6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	40	
	kW	HP	Suc.	Del.	DISCHARGE IN LITRES PER SECOND																	
KDS0510	0.37	0.5	50	40	3.37	2.62	0.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDS/GMC	0.75	1.02	50	50	6.9	5.5	3.9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDS/GMC116+ +	0.75	1.02	50	40	5.35	5	4.63	4.2	3.62	3	2	-	-	-	-	-	-	-	-	-	-	415
KDS/GMC 123+	0.75	1.02	32	25	-	-	4	3.6	3.2	2.65	2.2	1.6	0.9	-	-	-	-	-	-	-	-	415
KDS/GMC 128+	0.75	1.02	25	25	-	-	-	-	1.9	1.82	1.72	1.57	1.37	1.1	0.77	0.4	-	-	-	-	-	415
KDS/GMC 134	0.75	1.02	25	25	-	-	-	-	-	1.66	1.59	1.5	1.38	1.24	1.06	0.87	0.66	0.4	-	-	-	415
KDS/GMC 1.514+	1.1	1.5	50	50	-	8.5	7.25	5.75	3.6	-	-	-	-	-	-	-	-	-	-	-	-	415
KDS/GMC 1.522++	1.1	1.5	50	40	-	6.35	5.95	5.55	5.1	4.5	3.9	3.1	1.8	-	-	-	-	-	-	-	-	415
KDS/GMC 1.525+	1.1	1.5	50	40	2.6	2.55	2.52	2.48	2.4	2.34	2.22	2.12	1.97	1.82	1.6	1.32	-	-	-	-	-	415
KDS/GMC 1.540	1.1	1.5	32	25	-	-	-	-	-	-	-	-	2	1.87	1.74	1.59	1.45	1.3	1.1	0.9	0.64	415
KDS 212+	1.5	2	80	80	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	415
KDS-216+ +	1.5	2	65	50	-	11	10	8.8	7.15	4	-	-	-	-	-	-	-	-	-	-	-	415
KDS-225+ +	1.5	2	50	40	-	5.3	5.18	4.9	4.75	4.5	4.25	3.9	3.56	3.1	2.25	-	-	-	-	-	-	415
KDS-235+	1.5	2	50	40	-	4.2	4.1	4	3.75	3.65	3.6	3.5	3.35	3.1	2.6	2.35	2	1.6	0.5	-	-	415
KDS-314+	2.2	3	80	80	19.1	17.8	16.2	13.8	10.4	-	-	-	-	-	-	-	-	-	-	-	-	415
KDS-318+ +	2.2	3	80	65	-	13.4	12.6	11.7	10.7	9.2	7.6	-	-	-	-	-	-	-	-	-	-	415
KDS-325+ +	2.2	3	65	50	-	-	9.2	8.8	8.4	7.9	7.4	7	6.4	5.8	4.9	-	-	-	-	-	-	415
KDS-335+ +	2.2	3	50	40	-	-	-	5	4.9	4.8	4.7	4.6	4.4	4.2	4	3.8	3.6	3.2	2.7	2	-	415
KDS-515+	3.7	5	100	100	32.8	31	28	24.2	19	12.9	-	-	-	-	-	-	-	-	-	-	-	400
KDS-520+	3.7	5	80	80	24	23	22	20.8	19.5	17.9	16	14	11	-	-	-	-	-	-	-	-	400
KDS-527+ +	3.7	5	80	65	-	-	-	-	-	14.3	13.5	12.5	11.6	10.3	8.7	6.4	-	-	-	-	-	400
KDS-538+	3.7	5	65	50	-	-	-	-	-	-	-	8.5	8.4	8.3	8.1	7.8	7.6	7.1	6.5	5.8	-	400
KDS-822+ +	5.5	7.5	100	100	-	-	-	27.3	25.6	24	22.2	20.1	17.6	14.5	-	-	-	-	-	-	-	400
KDS-830+ +	5.5	7.5	80	65	-	-	-	-	-	19	18.2	17.3	16.4	15.4	14.2	12.7	11.1	-	-	-	-	400
KDS-837	5.5	7.5	65	65	-	-	-	-	-	-	-	-	-	12.6	12.5	12.2	11.8	11.1	10.3	9	-	400
KDS-1030+ +	7.5	10	100	100	-	-	-	32	31	29.8	28.5	27	25	23.5	21	18	-	-	-	-	-	415
KDS-1040+	7.5	10	80	65	-	-	23.5	23	22.6	22.2	21.6	20.9	20.35	19.5	18.75	17.9	17	15.7	14.6	13.4	9.6	415
KDS-1331+	9.3	12.5	100	100	-	-	-	-	-	-	33.4	32	30.5	29	26.5	23.8	19.8	12.5	-	-	-	415
KDS-1537+	11	15	100	100	-	-	-	-	-	-	-	35.3	34.5	33	31.6	30	28	25	22	17.6		415
KDS-2030+	15	20	125	125	-	-	-	-	-	49	47	45	42	39	35	30	21	-	-	-	-	415

Note: KDS+: All pumps except KDS - 837 are ISI marked. KDS / GMC 128+ can also be offered with pipe size 40 x 40,50x40mm. KDS-318+ + can also be offered with pipe size 65 x 50.All the pumps set from 0.5 HP to 1.5 HP is supplied in Mechanical Seal arrangement, 2 HP to 20 HP is supplied in mechanical seal and Gland pack arrangements except KDS 212+ it is supplied in mechanical seal, KDS -2030+ & 3052 are supplied with Gland Packed arrangement. Performance applicable to liquid of specific gravity 1 and viscosity as of water.