



MONOBLOC PUMPS

Direction of Rotation:

When viewed from suction side
 Anticlockwise : KDS and KDT
 Clockwise : KS

Applications:

- Air conditioning system
- Refrigeration
- Cooling towers
- Fire fighting
- Industries for clear water handling at high pressures

Material of Construction:

(as applicable)

	Standard Supply	Optional Supply
Impeller/ Diffuser	Cast iron (FG 200)	Bronze (LTB2)/ Stainless Steel (AISI 304)
Delivery Casing	Cast Iron (FG 200)	
Motor Body	Cast Iron (FG 200)	
Shaft	Carbon Steel (C 40)	Stainless Steel (AISI 410)
Shaft Sleeve	Bronze (LTB2)	Stainless Steel
Protection	IP 44	IP 55 (2HP & Above)
Class of Insulation	B (7.5 HP & Below) F (10 HP & above)	F (2HP & Above)
Sealing	Gland Packed Mechanical Seal (below 2 HP)	Mechanical Seal

Note: In case of any deviation in requirements, please contact at our nearest regional office.



Enriching Lives

KDS+/ GMC

Three Phase Monobloc Pumps

High speed monobloc pump

Head range : Upto 76 metres

Discharge range : Upto 49 lps

Power rating : 0.37 - 22 kW
(0.5 - 30 HP)

Voltage range : 300 - 440 V (3 Ph)



KS+

Monobloc Pumps

Head range : Upto 22 metres

Discharge range : Upto 72 lps

Power rating : 2.2 - 7.5 kW
(3 - 10 HP)

Voltage range : 300-440 V (3 Ph)



Attributes:

- Flatter efficiency curve for efficient operation
- Designed to prevent overloading and motor burning
- Designed for automatic air release during priming
- Efficiency at par with international pumps
- Dynamically balanced rotating parts ensuring minimum vibration during running
- Class 'B' / 'F' insulation
- Replaceable wearing parts
- Models with IP55 protection

KDT+

Monobloc Pumps

Two stage high speed monobloc pump

Head range : Upto 110 metres

Discharge range : Upto 20 lps

Power rating : 3.7 - 15 kW
(5 - 20 HP)

Voltage range : 300-440 V (3 Ph)



KDS+ / GMC

Three Phase Monobloc Pumps

KS+

Monobloc Pumps

Approximate performance of 'KDS+ / ++ / KS+' Series, 2/ 4 Pole Monobloc Pumps, at rated voltage, 50 Hz, Three Phase A.C. power Supply:

PUMP MODEL	POWER RATING		PIPE SIZE (mm)		TOTAL HEAD IN METRES																RATED VOLTAGE (VOLTS)																		
					6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36		40																	
	kW	HP	SUC.	DEL.	CAPACITY IN LITRES PER SECOND																																		
KDS0510	0.37	0.5	50	40	3.37	2.62	0.94																														415		
KDS/GMC 112	0.75	1.02	50	50	6.9	5.5	3.9	2.0																														415	
KDS/GMC116++	0.75	1.02	50	40	5.35	5.0	4.63	4.2	3.62	3.0	2.0																											415	
KDS/GMC 123+	0.75	1.02	32	25			4.0	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+	1.10	1.5	50	50		8.5	7.25	5.75	3.6																													415	
KDS/GMC 1.522++	1.10	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+	1.10	1.5	50	40	2.55	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	1.10	1.5	32	25										2.0	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	2.0	65	50		11.0	10.0	8.8	7.15	4.0																												415	
KDS-225++	1.5	2.0	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	2.0	50	40		4.2	4.1	4.0	3.75	3.65	3.6	3.5	3.35	3.1	2.6	2.35	2.0	1.6	0.5																			415	
KDS-314+	2.2	3.0	80	80	19.1	17.8	16.2	13.8	10.4																														415
KS-316+	2.2	3.0	65	50				13.4	11.6	9.3																												415	
KDS-318++	2.2	3.0	80	65		13.4	12.6	11.7	10.7	9.2	7.5																											415	
KDS-325++	2.2	3.0	65	50			9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9																							415	
KDS-335++	2.2	3.0	50	40				5.0	4.9	4.8	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.2	2.7	2.0																		415	
KS-513+	3.7	5.0	100	100	34.0	30.9	27.0	22.0																														415	
KDS-515+	3.7	5.0	100	100	32.8	31.0	28.0	24.2	19.0	12.9																												400	
KS-516+	3.7	5.0	80	65				23.7	20.8	17.5	13.2																												415
KDS-520+	3.7	5.0	80	80	24.0	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0																									400	
KDS-527++	3.7	5.0	80	65						14.3	13.5	12.5	11.6	10.3	8.7	6.4																						400	
KDS-538+	3.7	5.0	65	50								8.5	8.4	8.3	8.1	7.8	7.6	7.1	6.5	5.8																		400	
KS-810+	5.5	7.5	150	150	63.5	53.0	41.0																															400	
KS-817+	5.5	7.5	100	100			34.4	31.8	29.0	25.3	19.2																												400
KDS-822++	5.5	7.5	100	100				27.3	25.6	24.0	22.2	20.1	17.6	14.5																									400
KS-823+	5.5	7.5	100	80					27.3	25.0	22.2	18.8	14.5																										400
KDS-830++	5.5	7.5	80	65						19.0	18.2	17.3	16.4	15.4	14.2	13.0	11.1																						400
KDS-837	5.5	7.5	65	65										12.6	12.5	12.2	11.8	11.1	10.3	9.0																		400	
KS-1012+	7.5	10.0	150	150	72.5	67.0	59.5	49.5	30.0																													400	
KS-1022+	7.5	10.0	100	100					36.0	33.0	29.0	24.2	17.5																									400	
KDS-1030++	7.5	10.0	100	100				32.0	31.0	29.8	28.5	27.0	25.0	23.5	21.0	18.0																						415	
KDS-1040+	7.5	10.0	80	65			23.5	23.0	22.6	22.2	21.6	20.9	20.35	19.5	18.75	17.9	17.0	15.7	14.6	13.4	9.6																	415	
KDS-1331+	9.3	12.5	100	100								33.4	32.0	30.5	29.0	26.5	23.8	19.8	12.5																			415	
KDS-1537+	11.0	15.0	100	100									36.8	35.9	34.5	33.0	30.5	30.0	28.0	25.0	17.5	17																415	
KDS-2030+	15.0	20.0	125	125						49.0	47.0	45.0	42.0	39.0	35.0	30.0	21.0																					415	

Note: KDS+: All pumpsets except KDS-837 are ISI marked. KDS/GMC 128+ can also be offered with pipe size 40X40 , 50X40 mm. KDS-318++ can also be offered with pipe size 65 X 50 mm. All pump set above 2 HP can be supplied with stuffing box arrangement for mechanical seal or gland packed against the requirement. Below 2 HP except KDS-216++ , KDS-225++ can be supplied with stuffing box arrangement for mechanical seal only. KDS-2030+ is supplied with stuffing box arrangement for gland packed only.
KS+: Extended shaft version is also available on request. Above KS+ pumpsets can be supplied with stuffing box arrangement for gland packed or mechanical seal against the requirement. All KS+ pumps except KS-1012+ are ISI marked.

Performance applicable to liquid of specific gravity 1 and viscosity as of water.



Enriching Lives

KDS+
Three Phase Monobloc Pumps

KDT+
Monobloc Pumps

Approximate performance of *KDT+ / KDS+ / ++, 2 Pole, Monobloc Pumps, at rated voltage, 50 Hz, Three Phase A.C. Power Supply:

PUMP MODEL	POWER RATING		PIPE SIZE		TOTAL HEAD IN METRES																	RATED VOLTAGE (VOLTS)	
					28	32	36	40	44	48	52	56	60	64	68	72	76	80	90	94	98		110
	kW	HP	SUC.	DEL.	CAPACITY IN LITRES PER SECOND																		
KDT-544+	3.7	5.0	65	50	6.8	6.2	5.6	4.8	3.5														400
KDS-550++	3.7	5.0	50	40			4.1	3.7	3.3	2.7	2.0												400
KDT-568+	3.7	5.0	50	40			4.3	4.0	3.7	3.4	3.0	2.5	2.0	1.0									400
KDS-844++	5.5	7.5	65	65	10.3	9.5	8.4	7.1	4.7														400
KDT-844+	5.5	7.5	80	65	11.8	10.9	10.0	9.0	7.5														400
KDS-852++	5.5	7.5	65	50		8.6	8.1	7.5	6.8	5.9	4.5												400
KDT-864+	5.5	7.5	65	50			7.3	7.0	6.5	6.0	5.5	5.0	4.2	2.7									400
KDS-1050++	7.5	10.0	65	65	12.5	12.0	11.4	10.7	9.6	8.1	6.0												415
KDT-1050+	7.5	10	80	65	13.8	13.2	12.4	11.5	10.5	9.2	8.5												415
KDS-1065++	7.5	10.0	65	50				7.8	7.4	6.9	6.4	5.8	5.1	4.3	3.0								415
KDT-1078+	7.5	10.0	65	50			8.2	8.0	7.8	7.5	7.1	6.7	6.2	5.6	4.9	4.0	2.0						415
KDS-1348+	9.3	12.5	80	65	18.2	17.3	15.8	14.3	11.9	6.0													415
KDS 1360	9.30	13	65	50	12.2	11.9	11.7	11.0	11.0	9.6	8.8												415
KDT-1372+	9.3	12.5	65	65			11.5	11.0	10.5	9.5	9.2	9.0	7.8	7.0	6.0	5.5	2.5						415
KDT-1388+	9.3	12.5	65	50									7.5	6.9	6.5	6.2	5.8	5.4	3.8				415
KDS-1555+	11.0	15.0	80	65		19.2	18.5	17.4	16.0	14.5	12.2												415
KDS 1570+	11	15	65	50		13.0	12.7	12.5	11.7	11.5	10.7	9.7	9.0	8.0	6.5								415
KDS-1575+	11.0	15.0	65	50							8.1	7.7	7.4	6.9	6.4	5.8	4.9						415
KDT-1580+	11.0	15.0	65	65						11.2	10.5	10.1	9.5	9.0	8.3	7.8	7.1	6.2	3.2				415
KDT-1598+	11.0	15.0	65	50												7.8	7.1	6.7	5.7	5.3	4.8	1.75	415
KDS-2050+	15.0	20.0	100	80	30.4	28.8	27	25.0	22.8	19.4	2.0												415
KDT-2070+	15.0	20.0	80	65				20.0	19.0	17.8	16.5	15.1	13.9	12.0	10.0	8.0							415
KDT-2095+	15.0	20.0	65	65											12.0	11.5	10.9	10.2	8.0	7.0	5.5		415
KDS-2560+	18.7	25.0	100	80						24.5	22.0	18.6	13.0										415
KDS-3068+	22.0	30.0	100	80						28.0	26.5	24.5	21.5	17.5	10.0								415

Note: KDT+: All pumpsets except KDT-568+ and KDT-844+ are ISI marked.

KDS+: All pumpsets except KDS-1575+ are ISI marked. Above pumpsets can be supplied with stuffing box arrangement for gland packed or mechanical seal against the requirement.

Performance applicable to liquid of specific gravity 1 and viscosity as of water.