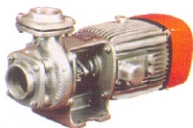


Kalshas

KDS+

Three Phase Monobloc Pumps



Features

- Can withstand wide voltage fluctuations- from 300-440 Volts
- Suction lift upto 7.5 metres
- Top flat efficiency curve: minimum variation in efficiency in entire operating range
- Efficiency at par with internationally available pumps- higher upto 10 points than minimum required by Indian Standards specifications
- Models are with IP- 44 protection. Models with IP- 55 protection are also available on request
- Class 'B' insulation (class 'F' for 9.3 kW and 11.0 kW ratings)
- Designed to prevent overloading and motor burning
- Dynamically balanced rotating parts ensure minimum vibrations
- Replaceable wearing parts and hence longer life
- Designed for automatic air release during priming

Material of Construction

Standard Supply

Impeller	: Cast Iron
Delivery Casing	: Cast Iron
Motor Body	: Cast Iron
Shaft	: Carbon Steel
Shaft Sleeve	: Bronze

Applications

- Irrigation
- Industries for clear water handling
- Water supply for domestic use in Apartments, Buildings and Hotels

Range

Head	: 6 - 76 metres
Capacity	: 47.0 - 2.0 LPS
Power Rating	: 1.5 kW - 22 kW (2.0 HP - 30.0 HP)

Approximate performance

PUMP MODEL	POWER RATING		PIPE SIZE (mm)		FULL LOAD CURRENT (in amps.)	RATED VOLTAGE (VOLTS)	TOTAL HEAD IN METRES																	
	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																								
KDS-216++	1.5	2.0	65	50	3.9	415	11.0	10.0	8.8	7.15	4.0													
KDS-225++	1.5	2.0	50	40	3.9	415	5.3	5.18	4.9	4.75	4.5	4.25	3.9	3.58	3.1	2.25								
KDS-314++	2.2	3.0	80	80	4.7	415	19.1	17.8	16.2	13.8	10.4													
KDS-318++	2.2	3.0	80	65	4.7	415	13.4	12.6	11.7	10.7	9.2	7.5												
KDS-325++	2.2	3.0	65	50	4.7	415	9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9									
KDS-335++	2.2	3.0	50	40	4.7	415	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					
KDS-515++	3.7	5.0	100	100	8.0	400	32.5	31.0	28.0	24.2	19.0	12.9												
KDS-520++	3.7	5.0	80	80	8.0	400	24.2	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0									
KDS-527++	3.7	5.0	80	65	8.0	400	14.4	13.5	12.5	11.6	10.3	8.7	6.4											
KDS-822++	5.5	7.5	100	100	11.4	400	27.3	25.6	24.0	22.2	20.1	17.6	14.5											
KDS-830++	5.5	7.5	80	65	11.4	400	19.0	18.2	17.3	16.4	15.4	14.2	13.0	11.1										
KDS-1030++	7.5	10.0	100	100	16.1	415	32.0	31.0	29.8	28.5	27.0	25.0	23.5	21.0	18.0									
KDS-538++	3.7	5.0	65	50	8.0	400	18	20	24	28	30	32	36	40	44	48	52	54	56	60	64	68	72	76
KDS-552++	3.7	5.0	50	40	8.0	400	8.5	8.3	7.8	7.6	7.1	5.8												
KDS-837	5.5	7.5	65	65	11.4	400	12.6	12.2	11.8	11.1	9.0													
KDS-844++	5.5	7.5	65	65	11.4	400	10.7	10.3	9.9	9.5	8.4	7.4	4.7											
KDS-852++	5.5	7.5	65	50	11.4	400	8.6	8.1	7.5	6.8	5.9	4.5	3.7											
KDS-1040++	7.5	10.0	80	65	15.0	415	21.6	20.9	19.5	17.9	17.0	15.7	13.4	9.6										
KDS-1050++	7.5	10.0	65	65	15.0	415	12.9	12.5	12.3	12.0	11.4	10.7	9.6	8.1	6.0									
KDS-1065++	7.5	10.0	65	50	15.0	415	7.8	7.4	6.9	6.4	6.1	5.8	5.1	4.3	3.0									
KDS-1331++	9.3	12.5	100	100	18.5	415	33.4	32.0	29.0	23.8	18.8	12.5												
KDS-1348++	9.3	12.5	80	65	18.5	415	19.6	18.9	18.2	17.8	17.3	15.8	14.3	11.9										
KDS-1360	9.3	13	65	50	18.5	415	12.8	12.6	12.4	12.2	12.1	11.9	11.7	11.0	11.0	9.6	8.8	8.2						
KDS-1537++	11.0	15.0	100	100	21.5	415	36.8	35.9	33.0	30.0	28.0	25.0	17.5											
KDS-1553++	11.0	15.0	80	65	21.5	415	19.4	19.2	18.5	17.4	16.0	14.5	12.2	10.5										
KDS-1570	11.0	15.0	65	50	21.5	415	13.1	13.0	12.7	12.5	11.7	11.5	10.7	10.2	9.7	9.0	8.0	6.5						
KDS-1575++	11.0	15.0	65	50	21.5	415	8.1	7.9	7.7	7.4	6.9	6.4	5.8	4.9										
KDS-2030++	15.0	20.0	125	125	21.5	415	47	45	39	30	21													
KDS-2050++	15.0	20.0	100	80	29.0	415	33.8	33.2	31.8	30.4	29.7	28.8	27.2	25.0	22.8	19.4								
KDS-2560++	18.7	25.0	100	80	-	415	24.5	22.0	20.5	18.6	13.0													
KDS-3068++	22.0	30.0	100	80	-	415	28.0	26.5	25.6	24.5	21.5	17.5	10.0											

All pumps except KDS-837+, KDS-1575+, KDS-2560++ and KDS-3068++ are ISI marked. KDS-318++ can also be offered with pipe size 65x50 mm. Above pumps except KDS-2560++ and KDS-3068++ can be supplied with stuffing box arrangement for GLAND PACKED or MECHANICAL SEAL against the requirement.

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