

Kirloskar 'KDS+ / KDS++' Series Three Phase Pumps

Single Stage, High Speed, Horizontal, Centrifugal, Monobloc with Volute Type Delivery Casing.

Range

Head : 6-76 metres.
Capacity : 37.0-2.0 litres per second.
Power Rating : 1.5 kW to 22 kW
(2.0 HP to 30.0 HP)

Material of Construction

Standard Supply

Impeller : Cast Iron
Delivery casing : Cast Iron
Motor body : Cast Iron
Shaft : Carbon Steel
Shaft Sleeve : Bronze

Optional Supply

Impeller : Bronze
Shaft : Stainless Steel
Shaft Sleeve : Chrome Steel

Direction of Rotation

Anticlockwise, when viewed from suction side.

Approximate performance of 'KDS+ / KDS++' Series, 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 METRES																RATED VOLTAGE (VOLTS)		
	kW	HP		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36		40	
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-314+	2.2	3.0	80	80	19.1	17.8	16.2	13.8	10.4												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	
KDS-515+	3.7	5.0	100	100	32.8	31.0	28.0	24.2	19.0	12.9											400	
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-822++	5.5	7.5	100	100				27.3	25.6	24.0	22.2	20.1	17.6	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-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
					18	20	24	28	30	32	36	40	44	48	52	54	56	60	64	68	72	76
KDS-538+	3.7	5.0	65	50		8.5	8.3	7.8	7.6	7.1	5.8										400	
KDS-550++	3.7	5.0	50	40						4.1	3.7	3.3	2.7	2.0							400	
KDS-837	5.5	7.5	65	65			12.6	12.2	11.8	11.1	9.0										400	
KDS-844++	5.5	7.5	65	65			10.7	10.3	9.9	9.5	8.4	7.1	4.7								400	
KDS-852++	5.5	7.5	65	50						8.6	8.1	7.5	6.8	5.9	4.5	3.7					400	
KDS-1040+	7.5	10.0	80	65	21.6	20.9	19.5	17.9	17.0	15.7	13.4										415	
KDS-1050++	7.5	10.0	65	65			12.9	12.5	12.3	12.0	11.4	10.7	9.6	8.1	6.0						415	
KDS-1065++	7.5	10.0	65	50								7.8	7.4	6.9	6.4	6.1	5.8	5.1	4.3	3.0	415	
KDS-1331+	9.3	12.5	100	100	33.4	32.0	29.0	23.8	19.8	12.5											415	
KDS-1348+	9.3	12.5	80	65		19.6	18.9	18.2	17.8	17.3	15.8	14.3	11.9								415	
KDS-1537+	11.0	15.0	100	100	36.8	35.9	33.0	30.0	28.0	25.0	17.5										415	
KDS-1555+	11.0	15.0	80	65					19.4	19.2	18.5	17.4	16.0	14.5	12.2	10.5					415	
KDS-1575+	11.0	15.0	65	50											8.1	7.9	7.7	7.4	6.9	6.4	5.8	4.9
KDS-2050+	15.0	20.0	100	80	33.8	33.2	31.8	30.4	29.7	28.8	27.2	25.0	22.8	19.4							415	
KDS-2560+	18.7	25.0	100	80										24.5	22.0	20.5	18.6	13.0			415	
KDS-3068+	22.0	30.0	100	80										28.0	26.5	25.6	24.5	21.5	17.5	10.0	415	

All pumpsets 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 pumpsets 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.

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KDS3-080200

Kirloskar

KDS+

Three Phase Monobloc Pumps

Kirloskar

Enriching Lives



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 of insulation 'B' ('F' class 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.

Applications

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

