



# Type: KCD

BELT DRIVEN, CENTER DELIVERY TYPE

## Design Features

- The pump is made for coupling with electric motor, high speed diesel engine.
- The direction of rotation is anti-clockwise viewing from drivers end.
- The pump is rigid in construction, vibration proof and easy in handling.
- The pump is supported with robust ball bearings and Tapper Roller bearings as per customers requirement.
- Casing is made of high quality close grained cast iron with well-designed volute way ensuring smooth flow with gradual changes in velocity and is hydraulically tested before final assembly.
- Impeller is of single end suction, shrouded type made of special Grey Iron with high finish and impeller is dynamically as well as statically balanced.
- Shaft is made from high quality steel and accurately ground finished within the manufacturing tolerances, and the size of the shaft is designed for transmitting maximum power without vibrations.
- Supporting frame is robustly constructed to carry shaft, single as well as double bearings and brass bush.
- Stuffing box is of liberal depth for accommodating sufficient gland packing. Easy access to stuffing box is an outstanding feature of Supporting Frame, Facilitating convenient replacement of Gland packing.

### APPLICATION

"Sefex" Centrifugal Power Driven Pump is desinated for handling both clean and non aggressive water.

- Water supply from fountains, lakes, rivers; water transport through the pipelines over long distances.
- Irrigation of the crops through channels.
- Water dewatering from the industrial channels with pipes, channels.

### TECHNICAL DATA

Suction / Discharge Diameter .....upto 4 .....inch  
 Capacity .....upto 42 .....lps  
 Pumping head .....upto 27 .....meter  
 Suction head.....Max.6 .....meter

Prime Mover Capacity ..... upto 5 to 10 .....hp  
 Revolution Per Minute ..... 1440 .....rpm  
 Max. Working Pressure ..... 3.5 .....Bar

SR. NO.	PUMP MODEL	PUMP SIZE MODEL	SPEED RPM	PRIME MOVER KW / HP.		H E A D I N M E T E R																					
						10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27				
1	KCD-2+	65 x50	1440	4.8/6.5	D I S C H A R G E				17		15		14		12		8										
2	KCDV-2++	65x65	1440	4.8/6.5					23		22		17		12		9										
3	KCD-3+	80x65	1440	5.9/8.0					26		24		23		18		16		14								
4	KCD-3	80x80	1440	5.9/8.0					26		25		24		19		16		12								
5	KCD-4+	100x80	1440	7.3/10.0					38		32		30		18		16										
6	KCD-4	100x100	1440	7.3/10.0					40		35		33		26		22										
7	KCDH-2++	65x65	1440	5.9/8.0		I N L P S								25		24		22		20		16					
8	KCDH-2++	65x65	1440	8.8/12.0												26		24		22		20		18			
9	KCDH-3	80x80	1440	7.3/10.0												28		26		24		20					
10	KCDH-3	80x80	1440	8.8/12.0													28		25		24		22		20		
11	KCDH-4	100x100	1440	11.0/15.0						42		38		32		27				22							
12	KCDH-4	100x100	1440	14.7/20.0											40		34		30		26				22		

### Imp Notes:

To get best performance use best frictionless Pipes & Foot Valves. \* The suction pipe should be as short as possible \* The weight of suction & delivery pipes should not be applied to pumps. \* The pump should be carefully aligned during its installation. \* The pump should not be operated dry. \* The gland should not permit more then 30 drops per minute, if it does please tighten it.

**Note:** The performance date are at rated R.P.M. and only indicative in view of continuous development the information / description / specification / illustration are subject to change without prior notice.



Manufactured by :

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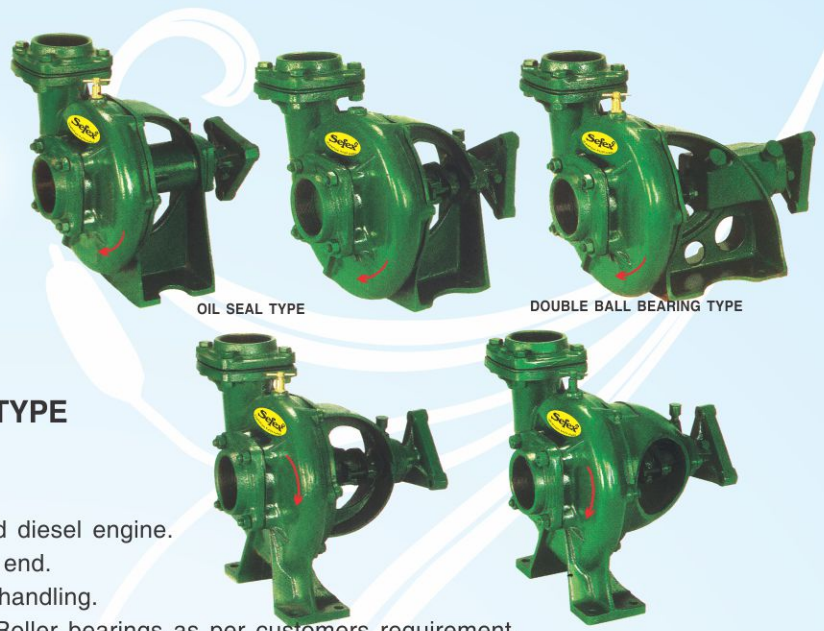


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# Type: KDSV

DIRECT COUPLE, SIDE DELIVERY VOLUTE CASING TYPE

## Design Features

- The pump is made for coupling with electric motor, high speed diesel engine.
- The direction of rotation is anti-clockwise viewing from drivers end.
- The pump is rigid in construction, vibration proof and easy in handling.
- The pump is supported with robust ball bearings and Tapper Roller bearings as per customers requirement.
- Casing is made of high quality close grained cast iron with well-designed volute way ensuring smooth flow with gradual changes in velocity and is hydraulically tested before final assembly.
- Impeller is of single end suction, shrouded type made of special Grey Iron with high finish and impeller is dynamically as well as statically balanced.
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- Irrigation of the crops through channels.
- Water dewatering from the industrial channels with pipes, channels.

## TECHNICAL DATA

Suction / Discharge Diameter.....upto 6 .....inch  
Capacity.....upto 73 .....lps  
Pumping head .....upto 25 .....meter  
Suction head.....Max.6 .....meter

Prime Mover Capacity..... upto 5 to 12.....hp  
Revolution Per Minute..... 1500.....rpm  
Max. Working Pressure..... 3.5 .....Bar

SR. NO.	PUMP MODEL	PUMP SIZE MODEL	SPEED RPM	PRIME MOVER KW / HP.	DISCHARGE IN LPS	H E A D I N M E T E R																				
						5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
1	KDSV3+A	80x65	1500	3.7/5.0								22	20.5	18.5	16.5	14	12	10								
2	KDSV3+	80x65	1500	4.8/6.5								23		22		17		14								
3	KDSV3	80x80	1500	3.7/5.0							22	20	17	15	13	9										
4	KDSV3	80x80	1500	4.8/6.5							23	22				17	15									
5	KDSV3	80x80	1500	5.9/8.0					27		26		24		22		20					16				
6	KDSV3	80x80	1500	7.3/10.0					28		27		26		25		24					22				
7	KDSV4	100x100	1500	3.7/5.0		32		26		18																
8	KDSV4	100x100	1500	4.8/6.5					34	31		23	17													
9	KDSV4	100x100	1500	5.9/8.0					38	35	30	26	23	18												
10	KDSV5	125x125	1500	4.8/6.5	48																					
11	KDSV5	125 x 125	1500	5.9/8.0		50	46	36	30	26																
12	KDSV5	125x125	1500	7.3/10.0			55	59	40	32																
13	KDSV6+	150x125	1500	4.8/6.5	51	47	39	27																		
14	KDSV6+	150x125	1500	5.9/8.0		53	47	38	32	24																
15	KDSV6+	150x125	1500	7.3/10.0	58		50	45	37	31	28															
16	KDSV6	150x150	1500	5.9/8.0	57	52		40	31																	
17	KDSV6	150x150	1500	7.3/10.0	68		57	52	45	37																
18	KDSV6	150x150	1500	8.8/12.0	73		63	57	51		42															