



Applications

- Agriculture
- Building services
- Aquaculture
- Salt water lake
- Water transportation

Benefits

- Most economical design
- Easy in maintenance
- Handy in transportation
- Easy availability of spares
- Non overloading power characteristics

Features

- Single stage impeller end suction pump
- Back pull out design
- Confirms to IS 6595
- Graphite lubricated gland packing
- Hydraulic design with high efficiency
- Stable head - flow curves for parallel operation

Operating Limits

- Belt Driven with Engine and/or Motors
- Discharge flange size 50 to 150 mm
- Suction flange size 50 to 150 mm
- Maximum flow rate 75 l/sec
- Maximum generated head 24 mtr
- Maximum temperature for bearing not to exceed 120°C
- Clean - cold water pump
- Working pressure 3.5 bar (max.)

PERFORMANCE TABLE

MEDIUM HEAD

MODEL NAME	SIZE	SPEED	PRIME MOVER
	(mm)	(rpm)	(kW / H.P.)
TSD 2+ (GW)	65 x 50	1440	5.3 / 7.5
TSD 2++ (GW)	65 x 65	1440	7.3 / 10
TSD 3+ (GW)	80 x 65	1440	7.3 / 10
TSD 3 (GW)	80 X 80	1440	7.3 / 10
TSD 4+ (GW)	100 x 80	1440	11 / 15
TSD 4 (GW)	100 x 100	1440	8.9 / 12
TSD 5+ (GW)	125 x 100	1440	11 / 15
TSD 5 (GW)	125 x 125	1440	11 / 15
TSD 6+ (GW)	150 x 125	1440	13.5 / 18
TSD 6 (GW)	150 x 150	1440	13.5 / 18

FLOW IN LPS

HEAD IN METERS							
8	10	12	14	16	18	20	24
		22.5	22	21.5	21	19	16
		22.5	22	21.5	21	19	16
		28	27	26	24	21	17
	26.5	25.5	24.5	22	19	16	8
42	40	38	36	32	28	16	
42	40.5	39	36.5	34	30	24	16
	44	40	38	36	31	27	
	46	42	40	38	32	28	
	72	66	60	51	42		
75	69	64	58	51	40		

HIGH HEAD

MODEL NAME	SIZE	SPEED	PRIME MOVER
	(mm)	(rpm)	(kW / H.P.)
TSDH 2+ (GW)	65 x 50	1440	5.5 / 7.5
TSDH 2++ (GW)	65 x 65	1440	5.9 / 8
TSDH 3+ (GW)	80 x 65	1440	8.9 / 12
TSDH 3 (GW)	80 x 80	1440	8.9 / 12
TSDH 4+ (GW)	100 x 80	1440	13.5 / 18
TSDH 4 (GW)	100 x 100	1440	13.5 / 18

FLOW IN LPS

HEAD IN METERS												
8	10	12	14	16	18	20	22	24	26	28	30	32
			19	18.5	18	18	17.5	17	12			
	19	18.5	18	18	18	17.5	16	13				
			21.5	21	20.5	20.5	20	19	17	15.5	13	
	21.5				21.5	20.5	19.5	18.5	17	12		
	44	42	41.5	40.5	40	39	37	34	31.5	26		
44	43	42.5	41.5	40.5	39	38	35	32.5	29.5			

As on continues Improvement and R&D, Performance data and any information furnished above are subject to change without notice.

