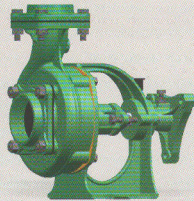
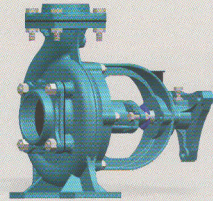


# TC / NDCV



GW  
Gland Pack



GL  
Gland Pack

समुद्र प्रकृति  
Enriching Nature

**DIRECT COUPLE CENTRIFUGAL PUMPS**

## TC/NDCV Direct Couple Centrifugal Pump



GL2  
Gland Pack



ML  
Mechanical/Oil Seal

### 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
- Conforms to IS 6595
- Graphite lubricated gland packing
- Hydraulic design with high efficiency
- Stable head - flow curves for parallel operation

### Operating Limits

- Direct Couple with Engine and/or Motors
- Discharge flange size 50 to 65 mm
- Suction flange size 50 to 80 mm
- Maximum flow rate 17 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 - TC

MODEL NAME	SIZE (mm)	SPEED (rpm)	PRIME MOVER (kW / H.P.)
TC 2+ (GW)	65 x 50	1500	2.57 / 3.5
TC 2+ (GW)	65 x 50	2050	3.3 / 4.5
TC 3+ (GW)	80 x 65	2200	3.7 / 5

FLOW IN LPS

HEAD IN METERS										
4	6	8	10	12	14	16	18	20	22	24
		12	11	9.5	3					
				16	15	13	10	10		
	18.5	17.5	16.5	15.5	14.5	14	13	11	4	

### PERFORMANCE TABLE - NDCV

MODEL NAME	SIZE (mm)	SPEED (rpm)	PRIME MOVER (kW / H.P.)
NDCV 2+ (GL)	65 x 50	1500	2.7 / 3.5
NDCV 2+ (GL)	65 x 50	2050	3.3 / 4.5
NDCV 3+ (GL)	80 x 65	1500	2.7 / 3.5
NDCV 3+ (GL)	80 x 65	1550	3.35 / 4.5
NDCV 3+ (GL)	80 x 65	1600	3.7 / 5
NDCV 3+ (GL)	80 x 65	1800	3.7 / 5
NDCV 3+ (GL)	80 x 65	2050	3.3 / 4.5
NDCV 3+ (GL)	80 x 65	2200	3.7 / 5
NDCV 3 (GL)	80 x 80	1500	2.7 / 3.5
NDCV 3 (GL)	80 x 80	2050	3.3 / 4.5
NDCV 3 (GL)	80 x 80	2200	3.7 / 5

FLOW IN LPS

HEAD IN METERS												
7	8	9	10	11	12	13	14	15	16	17	18	19
11.8	11.1	10.5	10	9	8							
18.2	17.5	16	14	11								
				21.2	18.5	16	12.8					
				20.8	19.3	18.4	17.2	15.8	14.8	10		
			19	18.4	17.5	16.3	15.4	14.5	13			
				20.5	19.5	18.2	17	15.2	13.8			
15.8	14.8	13.5	11.1									
				21.2	20.1	19	17.8	16.3	15	14	12.5	
				21.8	21	20.2	19.2	18.2	17	16	15	13

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



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