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Circular: CG/CPD-Pumps/22-23/Jun/09

Date: 04.06.2022

Product Name : CGDP – *Dewatering Pumps.*

Short Name : CGDP

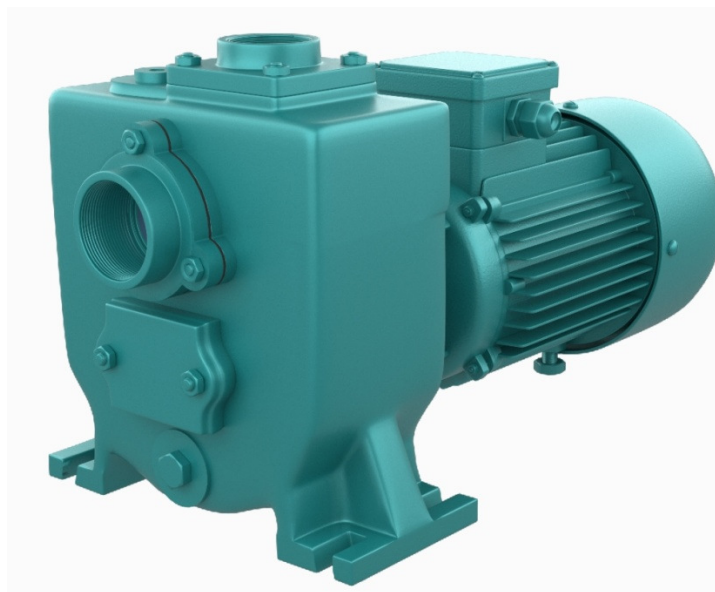
Product Features:

- Self priming dewatering pump, suction lift up to 7.5mtr
- Open type impeller design for handling of solid particles
- High Quality Mechanical seal/gland package used for long life.
- Robust Construction.
- Cast Iron Motor Body.
- Designed for High efficiency performance.
- Easy maintenance and spares availability
- Dynamically balanced impeller used
- Wide voltage band 180-240V(1PH) & 350-440V(3PH)

Product Photo



Bare Pump (10 to 25HP)



Monobloc Pumpset (1 to 5HP)



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Application and usage

- Transferring muddy water
- Flood water dewatering
- Waste food (hotel industries) & sludge waste handling
- Septic system dewatering
- Railway drainage
- Mining industry dewatering
- ETP & STP Plant
- Cooling tower application
- Surface irrigation
- Transferring canal water & aquaculture
- Construction & Road work dewatering.

Performance Table

Monobloc Pumpset

Cat ref	Power		Speed (rpm)	Sealing Type	Pipe size mm	Head in Meters						
	kW	HP				8	10	12	14	16	18	20
						Discharge in LPM						
CGDP01J-MM-1P*	0.75	1	2850	Mech Seal	40 X 40		340	300	230	150		
CGDP01J-MM	0.75	1	2850	Mech Seal	40 X 40		340	300	230	150		
CGDP02M-MM	1.50	2	2850	Mech Seal	40 X 40		430	330	240	120		
CGDP03M-MM	2.20	3	2850	Mech Seal	50 X 50			500	400	280	140	
CGDP05Q-MM	3.70	5	1450	Mech Seal	80 X 80	1100	1000	900	750	560	400	200

*CGDP01J-MM-1P, Supply 1Ph Pumpset

Bare Pump

Cat ref	Power (Recommended)		Speed (rpm)	Sealing Type	Pipe size mm	Head in Meters								
	kW	HP				10	12	14	16	18	20	22	24	26
						Discharge in LPM								
CGDP10S-BG	7.5	10	1450	Gland Pack	100 X 100	2000	1900	1800	1650	1500	1300	1050	750	
CGDP12S-BG	9.3	12.5	1450	Gland Pack	100 X 100	2400	2300	2150	2000	1800	1600	1350	1100	
CGDP20W-BG	15	20	1450	Gland Pack	150 X 150	4000	3800	3550	3200	2850	2400	1950	1400	
CGDP25W-BG	18.7	25	1450	Gland Pack	150 X 150	4300	4150	4000	3800	3500	3100	2700	2100	

Cat Ref Definition – Example

Cat Ref	CGPISL	Series Name	HP	Pipe Size	Pump Type
CGDP01J-MM	CG	DP	01	J	MM

Pump Type

MM- Monobloc Mechanical Seal,

BG - Bare Pump Gland Pack

Pipe Size

J-40 x 40

M - 50 x 50

Q - 80 x 80

S- 100 x 100, W-150 x 150

HP Indication (Example)

'01-1HP

10-10HP

12- 12.5HP etc..



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Corporate Identity Number: L99999MH1937PLC002641



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Product Offerings:-

Cat ref	Power		Speed (rpm)	Pipe size mm	Solid Handling Size mm	Head Range Mtr	Disch LPM	Pump Type	ALP	MRP
	kW	HP								
CGDP01J-MM-1P	0.75	1	2850	40 X 40	15	10-16	340-150	Monobloc Pumpset	24850	26100
CGDP01J-MM	0.75	1	2850	40 X 40	15	10-16	340-150	Monobloc Pumpset	24550	25800
CGDP02M-MM	1.50	2	2850	40 X 40	18	10-16	430-120	Monobloc Pumpset	36950	38800
CGDP03M-MM	2.20	3	2850	50 X 50	23	12-18	500-140	Monobloc Pumpset	44025	46250
CGDP05Q-MM	3.70	5	1450	80 X 80	15	8-20	1100-200	Monobloc Pumpset	70325	73850
CGDP10S-BG	7.5	10	1450	100 X 100	18	10-24	2000-750	Bare Pump	74650	78400
CGDP12S-BG	9.3	12.5	1450	100 X 100	23	10-24	2400-1100	Bare Pump	75650	79450
CGDP20W-BG	15	20	1450	150 X 150	34	10-24	4000-1400	Bare Pump	167850	176250
CGDP25W-BG	18.7	25	1450	150 X 150	40	10-26	4300-1400	Bare Pump	177100	185975

Material of Construction:-

Parts	Material
Casing	Cast Iron FG 200
Flange	Cast Iron FG 200
Motor Body	Cast Iron FG 200
Shaft	SS 410
Shaft Sleeve	SS 410
Impeller	Cast Iron FG 200
Impeller Ring	Cast Iron FG 200
Wear Plate	Cast Iron FG 200
Fan Cover	Powder Coated MS
Bearing	SKF / Equivalent
Gland Packing	Graphite asbestos
Winding	Copper



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Spare Material

Model No	CGDP01J-MM-1P	CGDP01J-MM	CGDP02M-MM	CGDP03M-MM	CGDP05Q-MM	CGDP10S-BG	CGDP12S-BG	CGDP20W-BG	CGDP25W-BG	SAP Code	Material Description
	Pipe Size										
Spare Parts	40 X 40	40 X 40	50 X 50	50 X 50	80 X 80	100 X 100	100 X 100	150 X 150	150 X 150		
Impeller	A	A								S-DPIMP001A	DP CI IMPELLER DP01J
			B							S-DPIMP002A	DP CI IMPELLER DP02M
				C						S-DPIMP003A	DP CI IMPELLER DP03M
					D					S-DPIMP004A	DP CI IMPELLER DP05Q
						E				S-DPIMP005A	DP CI IMPELLER DP10S
							F			S-DPIMP006A	DP CI IMPELLER DP12S
								G		S-DPIMP007A	DP CI IMPELLER DP20W
									H	S-DPIMP008A	DP CI IMPELLER DP25W
Wear Plate	A	A								S-DPWPL001A	DP CI WEAR PLATE DP01J
			B	B						S-DPWPL002A	DP CI WEAR PLATE DP02M , DP03M
					C					S-DPWPL003A	DP CI WEAR PLATE DP05Q
						D				S-DPWPL004A	DP CI WEAR PLATE DP10S
							E			S-DPWPL005A	DP CI WEAR PLATE DP12S
								F		S-DPWPL006A	DP CI WEAR PLATE DP20W
									G	S-DPWPL007A	DP CI WEAR PLATE DP25W
Paper Gasket	A	A								S-DPPGSC001	DP PAPER GASKET DP01J
			B	B						S-DPPGSC002	DP PAPER GASKET DP02M , DP03M
					C					S-DPPGSC003	DP PAPER GASKET DP05Q
						D	D			S-DPPGSC004	DP PAPER GASKET DP10S,DP12S
								E	E	S-DPPGSC005	DP PAPER GASKET DP20W,DP25W
Flange Rubber Gasket	A	A								S-DPGSC001	DP FLANGE RUBBER GASKET DP01J
			B	B						S-DPGSC002	DP FLANGE RUBBER GASKET DP02M , DP03M
					C					S-DPGSC003	DP FLANGE RUBBER GASKET DP05Q
						D	D			S-DPGSC004	DP FLANGE RUBBER GASKET DP10S,DP12S
								E	E	S-DPGSC005	DP FLANGE RUBBER GASKET DP20W,DP25W
Suction and delivery flange	A	A								S-DPSUF001	DP CI FLANGE DP01J 40X40
			B	B						S-DPSUF002	DP CI FLANGE DP02M,DP03M 50X50
					C					S-DPSUF003	DP CI FLANGE DP05Q 80X80
						D	D			S-DPSUF004	DP CI FLANGE DP10S,DP12S 100X100
								E	E	S-DPSUF005	DP CI FLANGE DP20W,DP25W 150X150
Mech Seal	A	A				NA	NA	NA	NA	S-MSL19F	MECHANICAL SEAL 19F
			B	B		NA	NA	NA	NA	S-MSL24F	MECHANICAL SEAL 24F
					C	NA	NA	NA	NA	S-MSL30F	MECHANICAL SEAL 30F
Gland Pack	NA	NA	NA	NA	NA	A	A			S-DPLTR8145	GLAND PACK GRAPHITE ASBESTOS 8X8X145
								B	B	S-DPLTR8160	GLAND PACK GRAPHITE ASBESTOS 8X8X160



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Spare Parts	Pipe Size										
	40 X 40	40 X 40	50 X 50	50 X 50	80 X 80	100 X 100	100 X 100	150 X 150	150 X 150		
Bare Pump Shaft	NA	NA	NA	NA	NA	A	A			S-DPSHF001	DP BARE PUMP SHAFT DP10S,DP12S
								B	B	S-DPSHF002	DP BARE PUMP SHAFT DP20W,DP25W
Shaft Sleeve	NA	NA	NA	NA	NA	A	A			S-DPSLV002	DP SHAFT SLEEVE DP10S,DP12S
	NA	NA	NA	NA	NA			B	B	S-DPSLV002	DP SHAFT SLEEVE DP20W,DP25W
Bearing DE				A						S-BBR6205ZZ	BALL BEARING 6205 2Z
					B					S-BBR6206ZZ	BALL BEARING 6206 2Z
	C	C	C							S-BBR6303ZZ	BALL BEARING 6303 2Z
								D	D	S-ABR6306ZZ	SELF ALIGNING BALL BEARING 6306 2Z
						E	E			S-BBR6306ZZ	BALL BEARING 6306 2Z
Bearing ODE	A	A								S-BBR6204ZZ	BALL BEARING 6204 2Z
			B							S-BBR6205ZZ	BALL BEARING 6205 2Z
						C	C			S-BBR6206ZZ	BALL BEARING 6206 2Z
				D						S-BBR6305ZZ	BALL BEARING 6305 2Z
					E					S-BBR6306ZZ	BALL BEARING 6306 2Z
								F	F	S-BBR6307ZZ	BALL BEARING 6307 2Z

Enclosed

1. GA Drawing
2. Performance curves

Happy Selling

Best Regards



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