

CENTROFLO

Centrifugal Pump
End Suction All St. Steel



DIN 24256-ISO 2858



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Stamping Centrifugal Process Pump All St. Steel
Horizontal Single Stage End Suction Back Pull Out

GENERAL:

- The Centroflo series fully conforms to the Pump Standard DIN 24256-ISO 2858
- All Pumps are mounted on the Standard Bearing assemblies given high part interchangeability to simplify maintenance and spare parts inventory.

DESIGN FEATURES:

- **Volute Casing.**
Stamped and manufactured from high grade Stainless Steel material with foot mounting and vertical centerline discharge for automatic self-venting.
- **Impeller.**
Both Closed and Semi-Opened impeller are made of thick stainless steel plate to suite different application.
- **Gland Packing and Mechanical Seal.**
Available in Gland Packing or Mechanical Seal configurations, and material combination to suite various applications.
- **Robust Bearing Housing.**
Cast from high Grade Cast Iron for maximum stability and corrosion resistance.
- **Angular Contact Bearing.**
Heavy duty, sealed, self-aligning angular contact ball bearings widely spaced on shaft offer maximum stability and long life.
- **Back Pull Out Features.**
Allow the whole rotating element to be removed for service and repair without disturbing pipe works.

SPECIAL FEATURING:

Advanced Manufacturing Technology

The Centroflo is precision-engineered Stamping Centrifugal Process pumps designed and manufactured to withstand the most demanding pumping application. Using advanced manufacturing and stamping technology, the Centroflo pumps are made from thick Stainless Steel Plate for Ultimate chemical resistance and durability.

The Superior lightweight construction and consistence in material quality has made Centroflo emerges as the preferred pumps over the traditional cast stainless steel Pumps on weight, pitting and crevice corrosion problem. The inherent smooth metal surface allows the pumps to achieve excellent hydraulic performance.

TECHNICAL DATA

The Centroflo pumps are being manufactured in accordance to ISO 2858 - DIN 24256. All pumps have been designed to modular concept to allow high parts interchangeability to simplify maintenance and spare part inventory.

PERFORMANCE

Capacity	: 3.2 m ³ /hr - 600 m ³ /hr
Discharge Pressure	: up to 125 meter
Operating Temperature	: -20° to 180° C
Maximum Suction Pressure	: 0.5 Mpa
Maximum Working Pressure	: 2.0 Mpa

MODEL DESIGNATION:

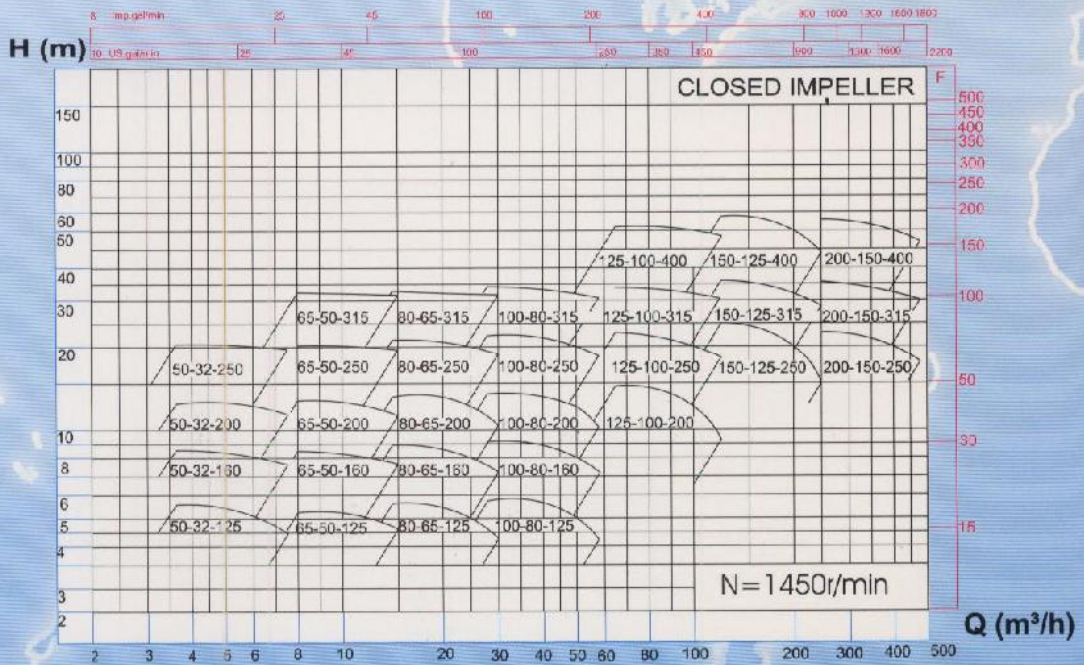
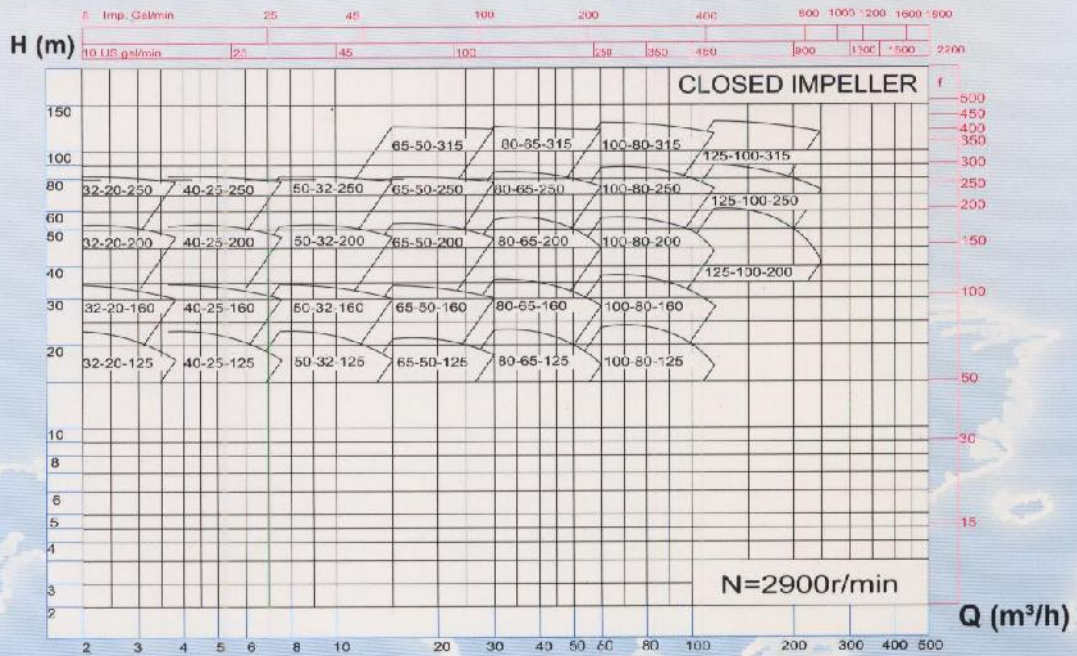
CFS 50 - 32 - 160 - C3 A M	P: Gland Packing
	M: Mechanical Seal
	A: ANSI D: DIN J: JIS
	Wetted parts
	Impeller type (C - closed S - Semi-opened)
	Impeller Dimension- Nominal (mm)
	Outlet Dimension (mm)
	Inlet Dimension (mm)
	CENTROFLO

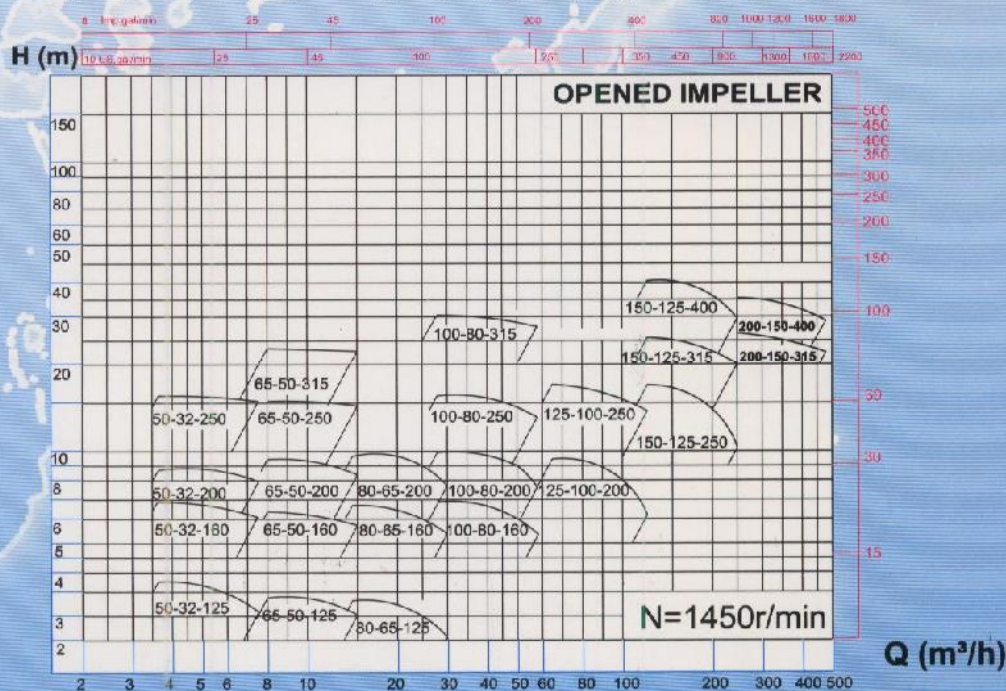
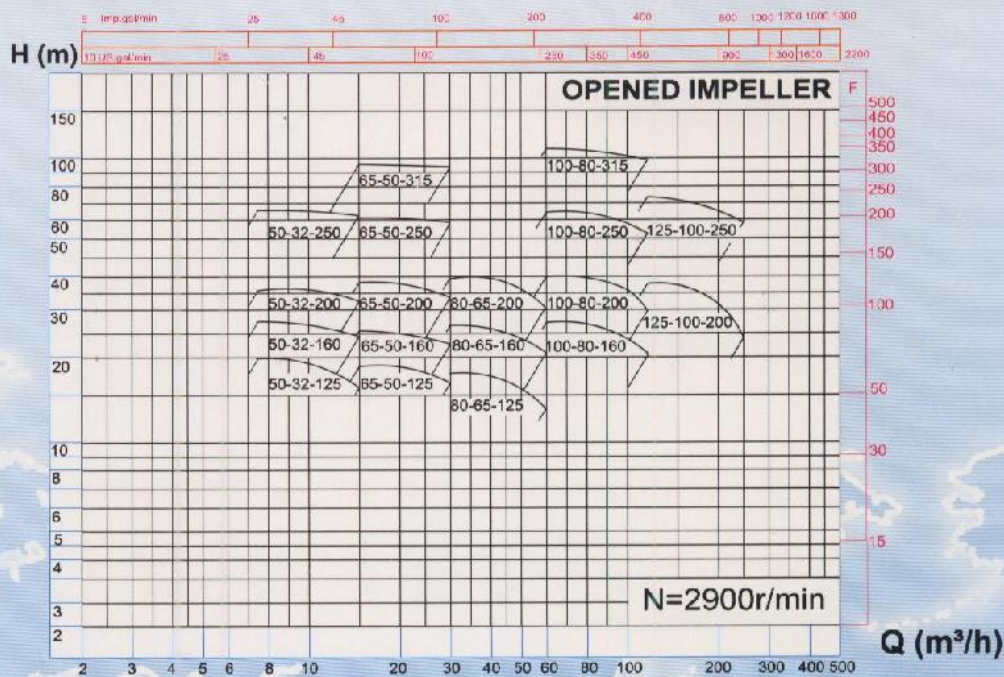


Wetted Parts	1	2	3
Material	SS304	SS316	SS316L

APPLICATION:

Centroflo pumps are designed to handle various liquids in the Chemical Industry, Waste Water Industry, Electronic Industry, Pharmaceutical Industry, Paper Mill Industry, Palm Oil Mill Industry, Textile Industry, Food & Beverage Industry, Sugar Plants, Oil & Fat Industry and Dairy Industry





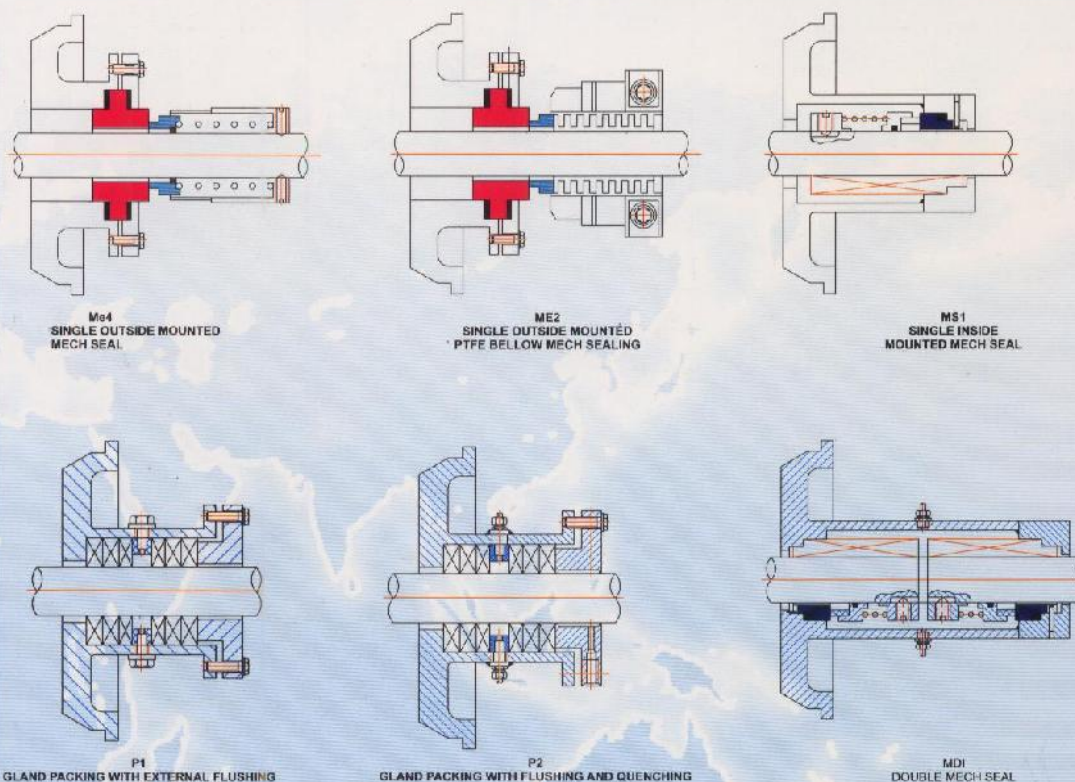
The technical drawing illustrates the geometry of a centrifugal pump assembly. The left view is a side profile showing the pump housing, impeller, and shaft. Key dimensions labeled include: a (flange width), f (total length), x (shaft extension), d (shaft diameter), l (impeller thickness), $M1$, $M2$, $M3$, $M4$ (mounting dimensions), $K1$, $K2$ (housing dimensions), and w (base width). The right view is a front elevation showing the circular pump housing with radial vanes. Dimensions include: $h1$, $h2$ (heights), $S1$, $S2$ (port dimensions), $N4$ (flange dimension), $n1$, $n2$, $n3$ (port spacing), and b (base width).

MODEL CFS	PUMP				PUMP BASE													BOLT HOLE		SHAFT		SPACE
	a	f	h1	h2	b	m1	m2	m3	m4	n1	n2	n3	n4	K1	K2	W	S1	S2	d	L	x	
32-20-125	80	310	112	130	50	100	70	35	60	190	140	145	110	12	10	234	± 14.5	± 14.5	18	28	14	
32-20-160	80	310	132	160	50	100	70	35	60	240	190	145	110	12	10	234	± 14.5	± 14.5	18	28	14	
32-20-200	80	310	160	180	50	100	70	35	60	240	190	145	110	12	10	234	± 14.5	± 14.5	18	28	14	
32-20-260	80	382	180	210	50	100	70	39	60	240	190	145	110	12	14	284	± 14.5	± 14.5	24	50	23	
40-25-125	80	310	112	130	50	100	70	35	65	190	140	145	110	12	10	234	± 14.5	± 14.5	18	28	14	
40-25-160	80	310	132	160	50	100	70	35	60	240	190	145	110	12	10	234	± 14.5	± 14.5	18	28	14	
40-25-200	80	310	160	180	50	100	70	35	60	240	190	145	110	12	10	234	± 14.5	± 14.5	18	28	14	
40-25-260	80	382	180	210	50	100	70	39	65	240	190	145	110	12	14	284	± 14.5	± 14.5	24	50	23	
50-32-125			112	140						190	140											
50-32-160			132	160																		
50-32-200	80	385	160	180	50	100	70	19	60	240	190	145	110	12	10	285	M12	M12	24	50	100	
50-32-250	100	500	180	225	65	125	95	25	65	320	250			16	14	370			32	80		
65-50-125			112	140						210	160											
65-50-160	80		132	160	50	100	70	19	60	240	190			12	10	285			24	50		
65-50-200		385	160	180						265	212											
65-50-250	100		180	225	65	125	95	25	65	320	250	145	110			370	M12	M12	32	80	100	
65-50-315	125		200	250						345	280			16	14							
80-65-125			132	160						240	190											
80-65-160			160	180	50	100	70	19	60	265	212			12	10	285			24	50		
80-65-200			180	225						320	250	145	110				M12	M12	32	80	100	
80-65-250	125	500	225	280	65	125	95	25	65	345	280			16	14	370			24	50		
80-65-315		385	160	200										12	10	285	M12	M12	32	80	100	
100-80-125			160	180	65	125	95		19	280	212								24	50		
100-80-160	100		180	200					24	60				10		285	M12				100	
100-80-200			160	225	65	125	95			320	250											
100-80-250		500	200	25																		

Choice Of Seal Arrangements :

Delfin's extensive experience in supplying Centroflo Pump for wide variety of industrial applications enables them to advise customers on the best seal for specified conditions.

These illustrations detail the most popular types but other options are available

**CHOICE OF SEAL ARRANGEMENTS**

Data shown is for guidance only. Due to continuous development and product improvement, we reserve the right to modify specification and designs without prior notice.

DELFIN CORPORATION
PUMP DIVISION
CENTROFLO PUMPS.

HQ : 196 PANDAN LOOP #07-21 PANTECH INDUSTRIAL COMPLEX
Singapore (128384)
Tel : 0065 - 677738533
Fax : 0065 - 67738531

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