



**SULZER**



**Standard Chemical Pumps**

ISO 2858

**CC**  
(Horizontal)

-

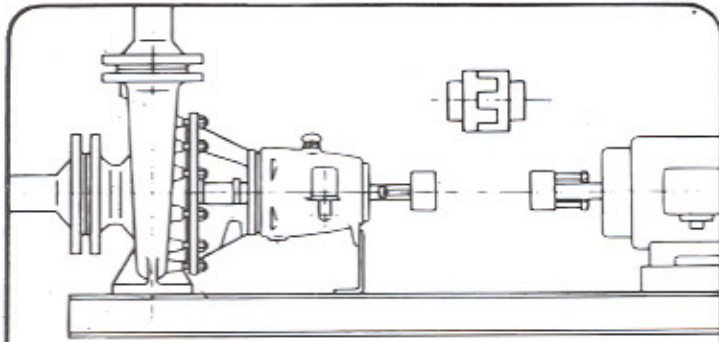
**CCV**  
(Vertical Submerged)

The Heart  
of Your  
Process

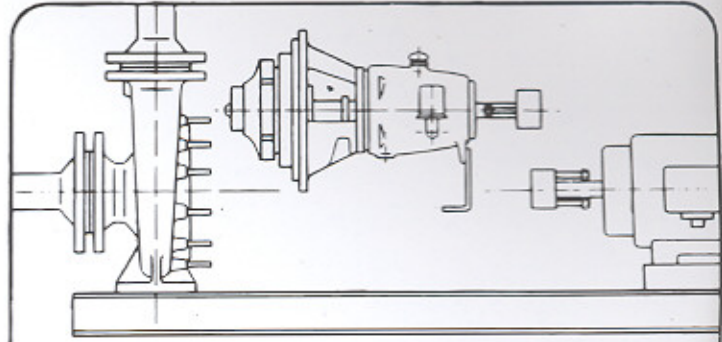


The pump arrangement with feet on casing and flanged bearing assembly permits simple dismantling of rotor assembly by using spacer type coupling. All the rotating parts most subject to wear & tear can be removed without disturbing the piping, the casing or the motor. If desired, a standby replacement assembly may be substituted and the unit set to work again with minimum delay.

The original assembly may be repaired at convenience under ideal shop conditions. Since the casing and motor are undisturbed during the whole operation, no realignment is necessary after reassembly.

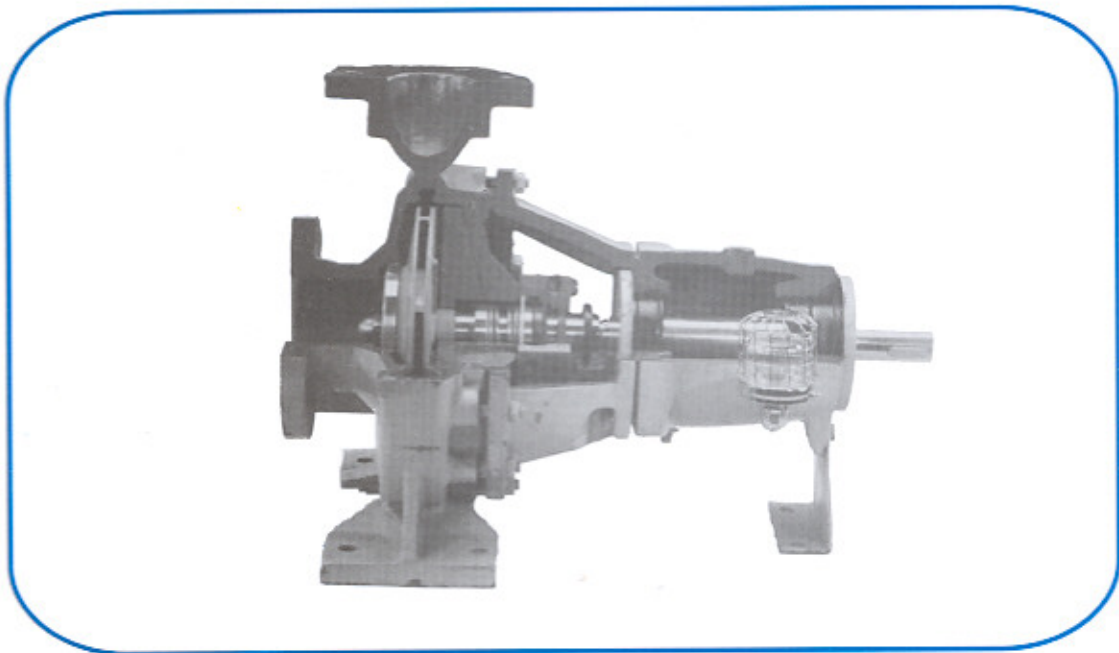


Dismantle the coupling guard and spacer and unbolt the support foot from the base plate. Remove the nuts securing the rotor assembly to the pump casing.

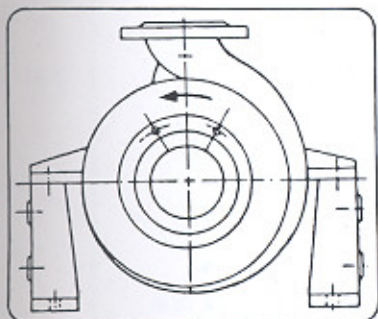


Withdraw the rotor assembly from the pump casing. The pump casing, piping connections and the motor need not be disturbed.

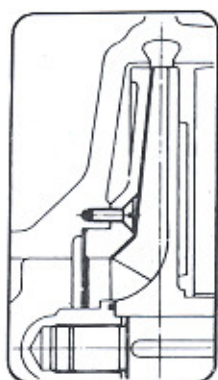
## 'CC' CUT SECTION



# Special Construction

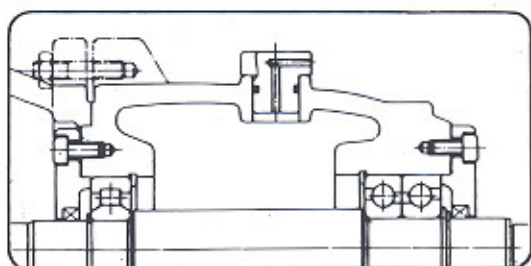
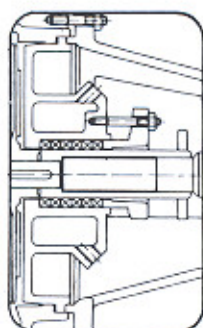


**Centre Mounted Casing**  
recommended for pumping temperatures beyond 177°C.

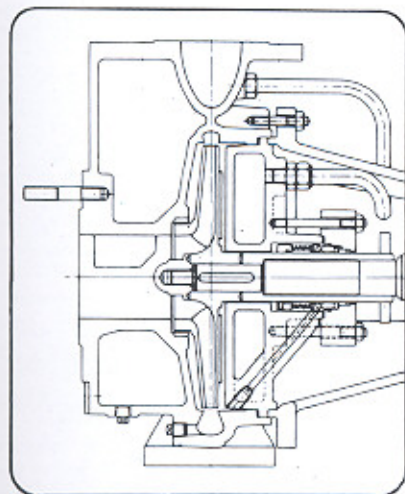


**Semi-Open Impeller**  
with replaceable wear plate for fluids having clogging tendencies.

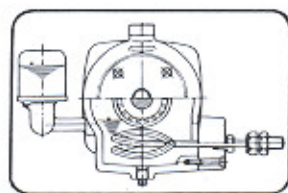
**Jacketed Stuffing Box**  
for handling fluids at high temperature, especially designed to cool along the shaft, saves heat-loss from pumped fluid.



**Reinforced Bearing Assembly**  
for higher thrust capability. Roller bearing at the inboard end and two single row angular contact bearing at the outboard end keeps the shaft end-play within permissible limits.

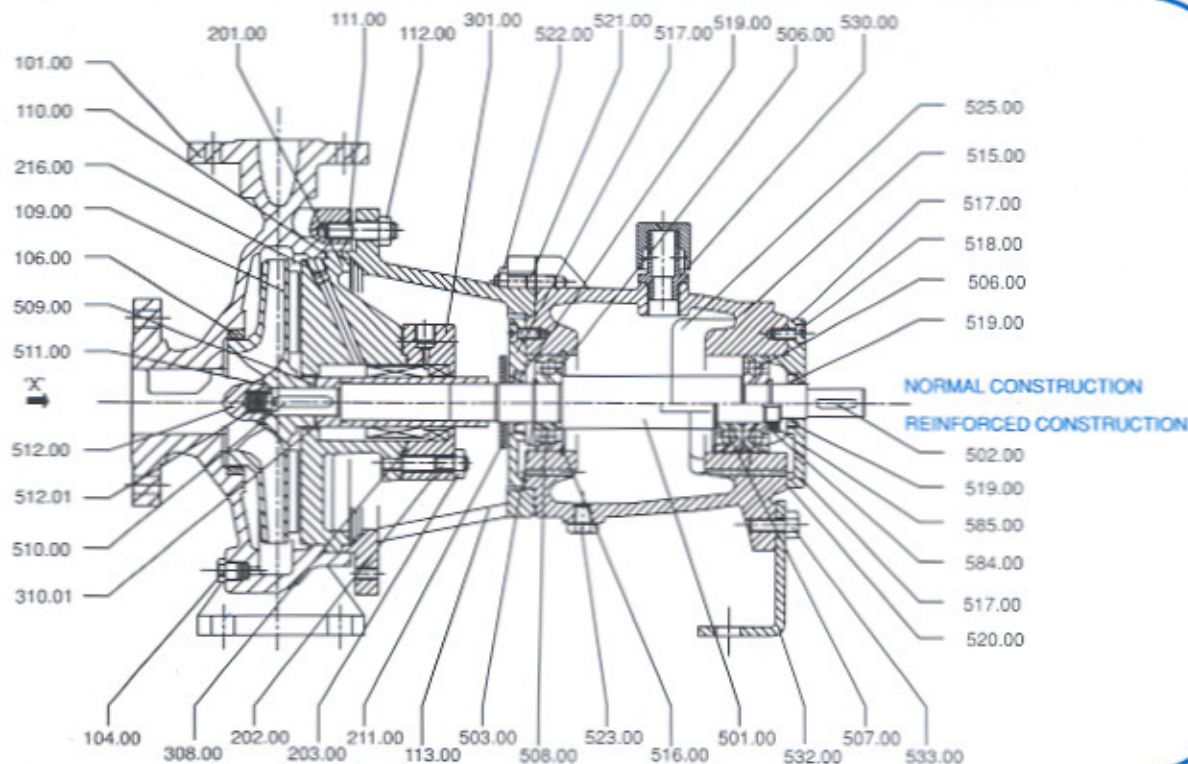


**Heating Chamber**  
on casing and stuffing box to handle congealing fluids which have to be pumped close to their solidifying temperature where intensive heating is required on both sides of the casing.



**Oil Bath Cooling**  
recommended for pumping temperatures in excess of 175°C and is a must beyond 260°C. Provision of cooling coil ensures most effective cooling.

# Part List-Normal Construction



PART NO.	NO. REQD. PER PUMP	PART NAME	MATERIAL					
			CI	CS	CF-8	CF-8M	A-20	HAST-B/C
101	1	CASING	CI	CS	CF-8	CF-8M	A-20	HAST-B/C
106	1	CASING WEAR RING	CI	CS	316 / CF-8M		A-20	HAST-B/C
109	1	IMPELLER	CI	CS	CF-8	CF-8M	A-20	HAST-B/C
110	1	GASKET, CASING	CAF-40					
111-112	4-8-12	STUD-NUT, CASING TO ADAPTER	STEEL			304		
113	1	ADAPTER	CI					
201	1	STUFFING BOX COVER	CI	CS	CF-8	CF-8M	A-20	HAST-B/C
202-203	2	STUD-NUT, ST. BOX COVER TO GLAND	304					
204	1 SET	PACKING RINGS	TEFLON-IMPREGNATED WHITE ASBESTOS					
205 - 301	1	GLAND, NORMAL FOR PACKED BOX / MECH. SEAL GLAND	CI	316 / CF-8M		A-20		HAST-B/C
310.01-208	1	SHAFT-SLEEVE	CI	410	316 / CF-8M		A-20	HAST-B/C
211	1	DEFLECTOR	PTFE/METALLIC					
213	1	PLUG, ST. BOX EXTERNAL SEALING	STEEL		316		A-20	HAST-B/C
215	1	LANTERN RING	CI		316		A-20	HAST-B/C
216	1	GRUB-SCREW, ST. BOX SELF-SEALING	STEEL		316		A-20	HAST-B/C
501	1	SHAFT	EN-8		316			
502	1	SHAFT KEY MOTOR SIDE	EN-8					
503	2	RETAINING RING	STEEL					
504	1	WASHER	STEEL					
506*	2	DEEP-GROOVE BALL BEARING-NORMAL CONSTRUCTION	STEEL					
507	2	ANGULAR CONTACT BEARING-REINFORCED CONSTRUCTION	STEEL					
508	1	CYLINDRICAL ROLLER BEARING-REINFORCED CONSTRUCTION	STEEL					
509	1	GASKET, SHAFT SLEEVE	PTFE					
510	1	IMPELLER KEY	EN-8		316		A-20	HAST-B/C
511	1	GASKET, IMPELLER NUT	PTFE					
512	1	IMPELLER NUT	CI		316		A-20	HAST-B/C
515	1	BEARING HOUSING	CI					
516	2	RETAINING RING	STEEL					
517	2	BEARING COVER	CI					
518	8-12	SCREW, BEARING COVER TO BEARING HOUSING	STEEL					
519 / 01	2	OIL-SEAL	BUNA RUBBER					
520	2	GASKET, BEARING COVER	OIL PAPER					
521-522	4	STUD-NUT, BEARING HOUSING TO ADAPTOR	STEEL					
523	1	BEARING OIL DRAIN PLUG	STEEL					
525	1	CONSTANT LEVEL OILER	PLEXIGLASS & ALUMINIUM					
530	1	BREATHER	STEEL					
532	1	SUPPORT FOOT	STEEL					
533	1	HEX, BOLT, BRG. HSG. TO SUPPORT FOOT	STEEL					
584	1	LOCK NUT	STEEL					
585	1	LOCK WASHER	SPRING STEEL					

CASING DRAIN & GAUGE CONNECTIONS SUPPLIED ON REQUEST

■ 202-203 4 Nos REQUIRED WITH MECH. SEAL

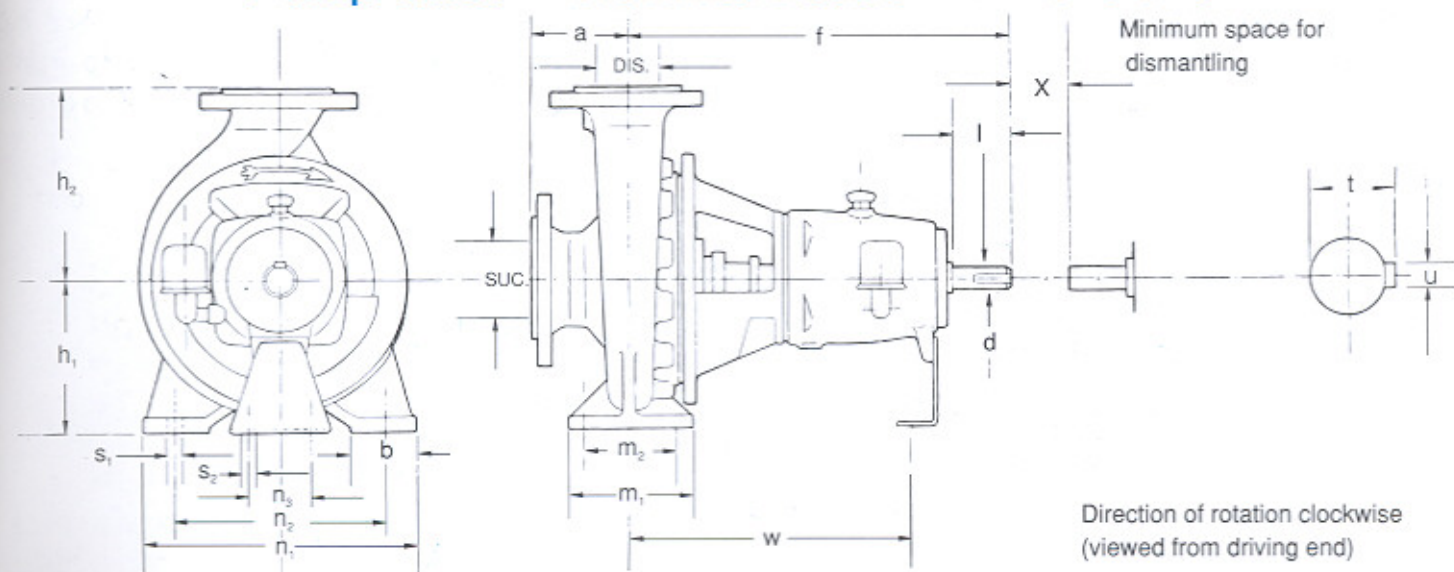
● 208 IN 410 MATL. HARDENED TO 350 BHN

● 208 WITH MECHANICAL SEAL (310.01) 316 IS USED INSTEAD OF CI

▼ PARTS OFFERED IN REINFORCED BRG. CONST. ONLY

▼ PARTS REPLACE \* PARTS IN REINFORCED BRG. CONST.

# Pump Sizes • Nominal Duties • Dimensions



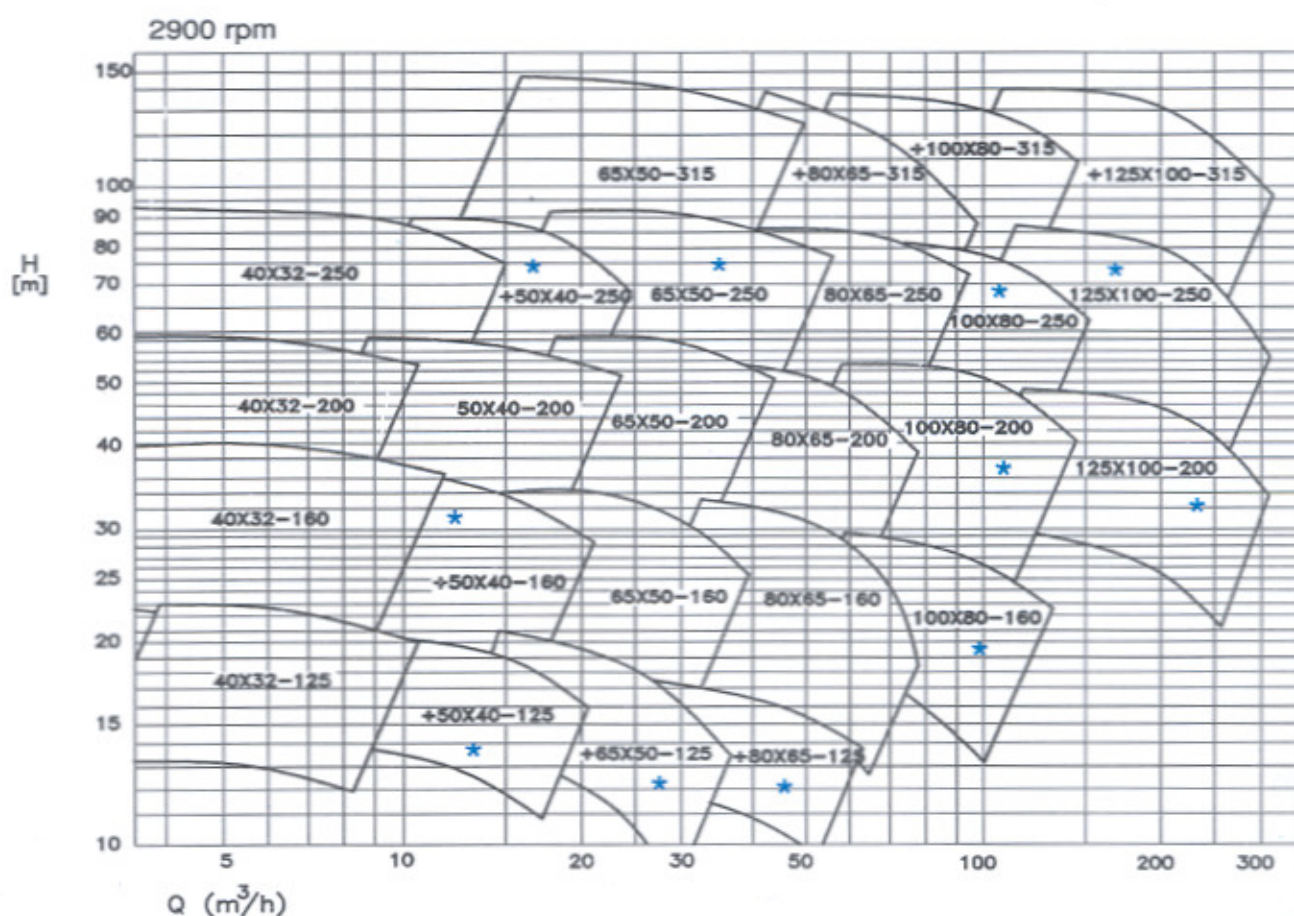
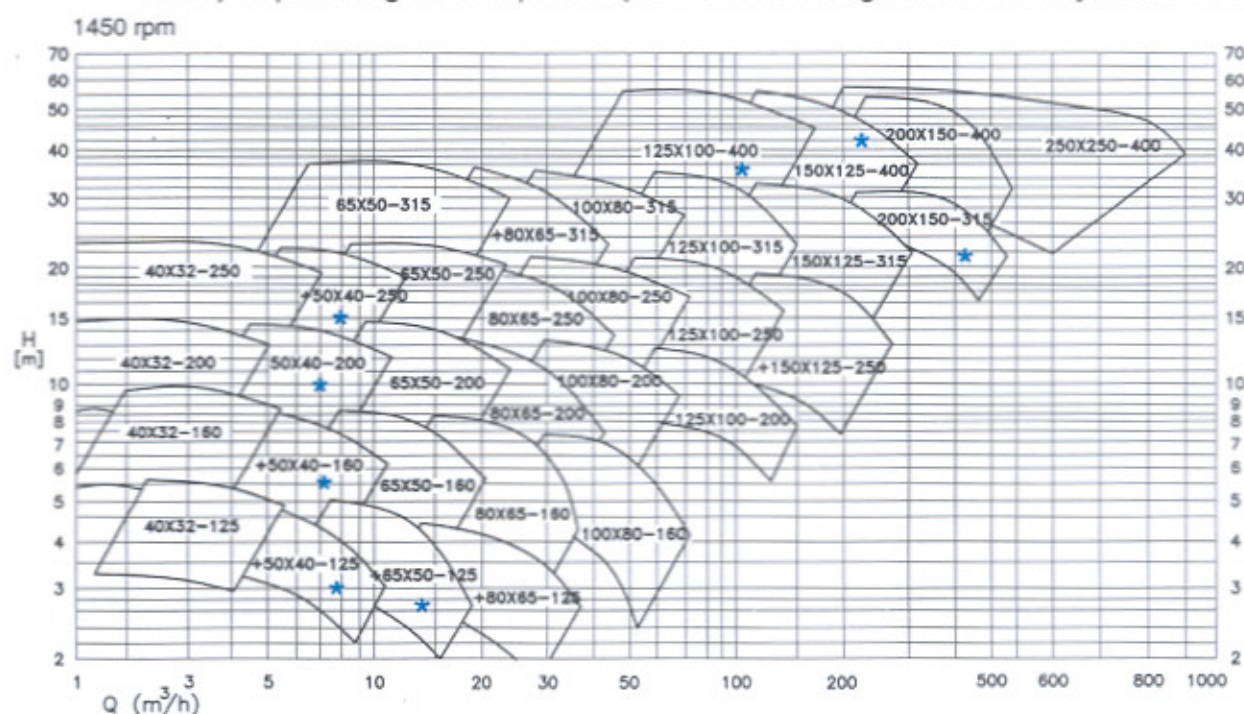
PUMP SIZE			NOMINAL DUTY				DIMENSION IN MILLIMETERS																												
Ø SUC. mm	Ø DIS. mm	Ø IMPELLER NOMINAL	1450 rpm		2900 rpm		PUMP				SUPPORT					BOLT HOLES		SHAFT END				x													
			Q m <sup>3</sup> /h	H m	Q m <sup>3</sup> /h	H m	a	f	h <sub>1</sub>	h <sub>2</sub>	b	m <sub>1</sub>	m <sub>2</sub>	n <sub>1</sub>	n <sub>2</sub>	n <sub>3</sub>	w	s <sub>1</sub>	s <sub>2</sub>	d	l		t	u											
40	32	125	3.2	5	6.3	20	80	385	112	140	50	100	70	190	140	110	285	M12	M12	19	40	21.5	6	100											
40	32	160		8		32			132	160				240	190					24	50	27	8												
40	32	200		12.5		50			160	180				265	212					32	80	35	10												
40	32	250		20		80			180	225				320	250					32	80	35	10												
50	40	125	6.3	5	12.5	20	80	385	112	140	50	100	70	190	140	110	285	M12	M12	19	40	21.5	6	100											
50	40	160		8		32			132	160				240	190					24	50	27	8												
50	40	200		12.5		50			160	180				265	212					32	80	35	10												
50	40	250		20		80			180	225				320	250					32	80	35	10												
65	50	125	12.5	5	25	20	80	385	112	140	50	100	70	210	160	110	285	M12	M12	19	40	21.5	6	100											
65	50	160		8		32			132	160				240	190					24	50	27	8												
65	50	200		12.5		50			160	180				265	212					32	80	35	10												
65	50	250		20		80			180	225				320	250					32	80	35	10												
65	50	315	32	125	125	500	200	250	345	280	65	125	95	345	280	370			32	80	35	10													
80	65	125	25	5	50	20	100	385	132	160	50	100	70	240	190	110	285	M12	M12	24	50	27	8	100											
80	65	160		8		32			160	200				265	212					32	80	35	10												
80	65	200		12.5		50			180	225				320	250					345	280	65	125		95	345	280	370			32	80	35	10	
80	65	250		20		80			180	225				320	250					345	280	65	125		95	345	280	370			32	80	35	10	
80	65	315	32	125	125	500	225	280	345	280	65	125	95	345	280	370			32	80	35	10													
100	80	160	50	8	100	32	100	500	160	200	65	125	95	280	212	110	370	M12	M12	32	80	35	10	140											
100	80	200		12.5		50			180	225				320	250					360	280	80	160		120	400	315	370			42	110	45	12	
100	80	250		20		80			200	250				360	280					400	315	80	160		120	400	315	370			42	110	45	12	
100	80	315		32		125			125	530				225	280					280	355	100	200		150	500	400	370			42	110	45	12	
125	100	200	100	12.5	200	50	125	500	200	280	80	160	120	360	280	110	370	M16	M12	32	80	35	10	140											
125	100	250		20		80			225	280				360	280					400	315	80	160		120	400	315	370			42	110	45	12	
125	100	315		32		125			140	530				250	315					280	355	100	200		150	500	400	370			42	110	45	12	
125	100	400		50		-			-	-				280	355					100	200	150	500		400	370					42	110	45	12	
150	125	250	200	20	-	-	140	530	250	355	80	160	120	400	315	110	370	M16	M12	42	110	45	12	140											
150	125	315		32		-			-	-				280	355					100	200	150	500		400	370					42	110	45	12	
150	125	400		50		-			-	-				315	400					100	200	150	500		400	370					42	110	45	12	
150	125	400		50		-			-	-				315	400					100	200	150	500		400	370					42	110	45	12	
200	150	315	400	32	-	-	160	670	315	400	100	200	150	550	450	140	500	M20	M12	48	110	51.5	14	180											
200	150	400		50		-			-	-				380	520					120	260	175	700		600	370					48	110	51.5	14	
250	200	400	720	40	-	-	-	-	380	520	120	260	175	700	600	370					48	110	51.5	14											

- These sizes are not included in ISO standard (Supplementary sizes)
- To prevent high friction losses in valves and piping a few models have been provided with a discharge nozzle of diameter one size higher than the standard. With this exception, the discharge nozzle is one size smaller than the suction nozzle.

# Performance Range Chart

Extensive coverage of Sulzer **Series 'CC' & 'CCV'** Pumps gives you more and better selection at any design point. This means, even at application points falling at the top or bottom of the chart, where efficiency is traditionally hard to come by, you can select a pump to reduce costs and do your job better.

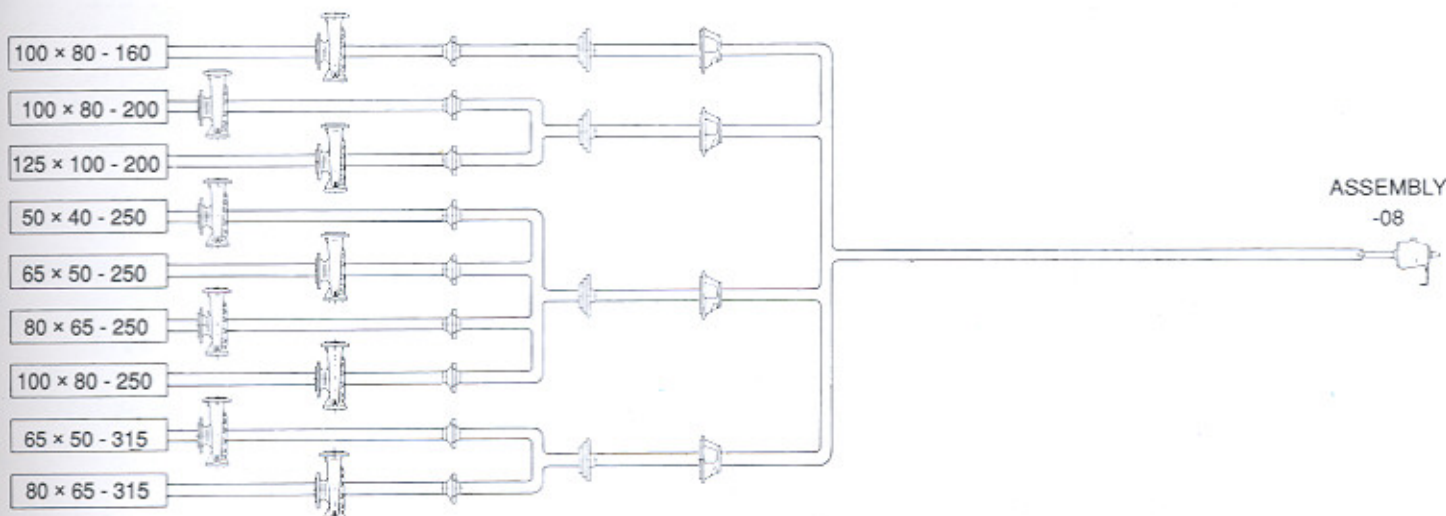
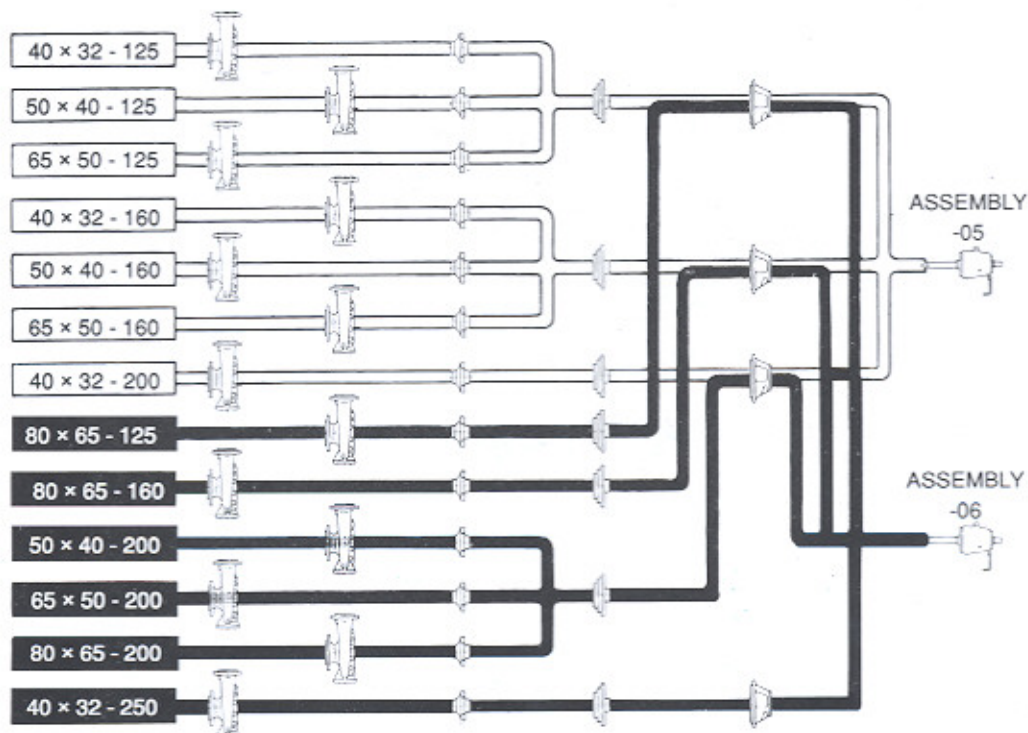
Each pump is designed for optimum performance with greatest reliability and lowest cost.



\* Only as 'CC'

# Interchangeability

The chart below shows 32 **SERIES 'CC'** Standard Models and their interchangeability within this pump line. The Interchangeability is realistic, Practical and based on the needs of the industry and not stretched beyond reasonable limits. Within 5 bearing assemblies, 12 adapters and 17 stuffing box covers, a large number of different combinations are possible to match your exact needs.

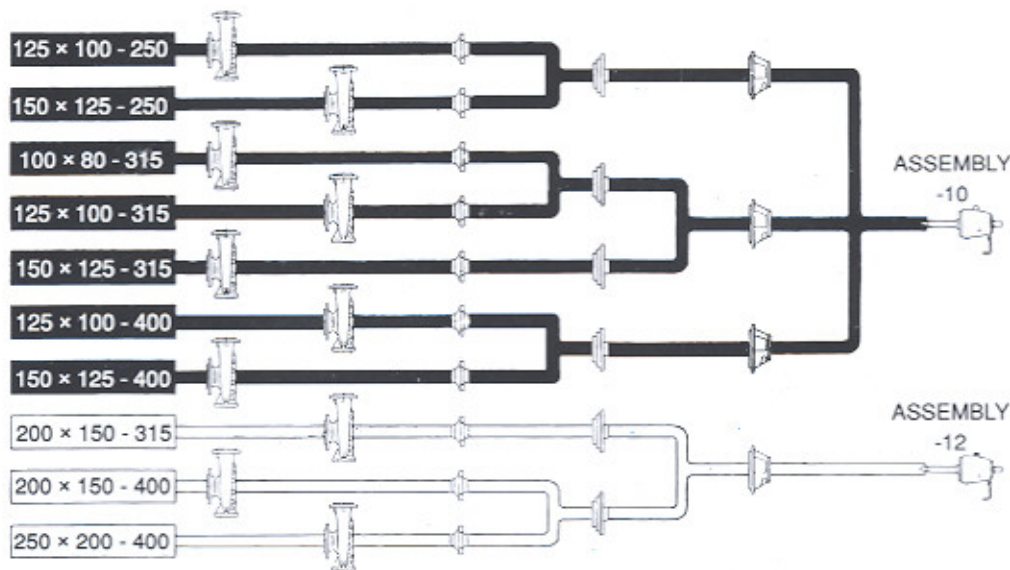


**5 BEARING ASSEMBLIES**

**12 ADAPTERS**

**17 ST. BOX COVERS**

**32 MODELS**

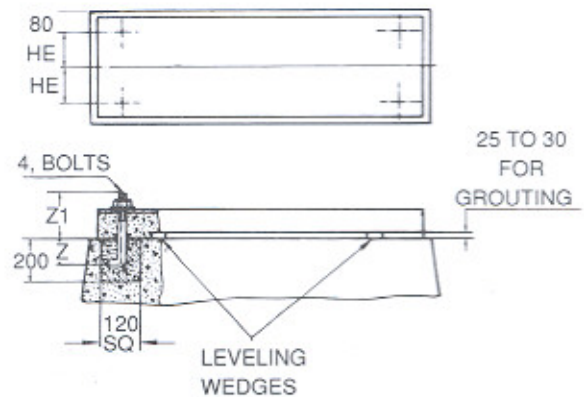
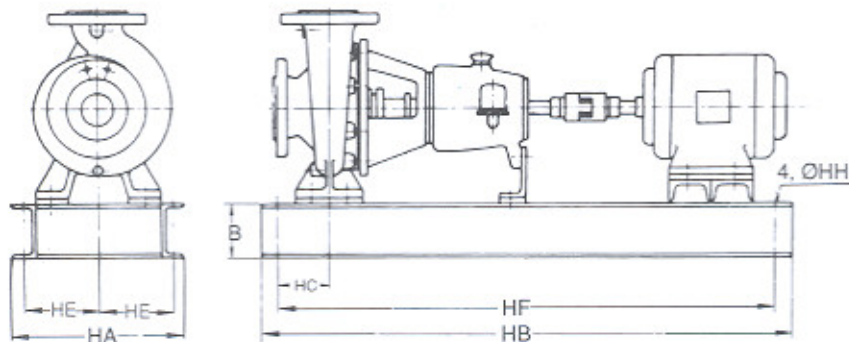


# Base Plate Selection Chart

M.F. SIZE MODEL	71	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S/2	225S/4	225M/2	225M/4	250	280S	280M	315S/M	
40 x 32 - 125																						
40 x 32 - 160																						
50 x 40 - 125								03														
50 x 40 - 160	01																					
65 x 50 - 125																						
65 x 50 - 160								03														
40 x 32 - 200						02			04													
80 x 65 - 125																						
80 x 65 - 160																						
50 x 40 - 200	02																					
65 x 50 - 200																						
80 x 65 - 200																						
40 x 32 - 250																						
100 x 80 - 160			02		03																	
100 x 80 - 200						04																
125 x 100 - 200																						
50 x 40 - 250																						
65 x 50 - 250																						
80 x 65 - 250																						
100 x 80 - 250																						
65 x 50 - 315																						
80 x 65 - 315																						
125 x 100 - 250																						
150 x 125 - 250																						
100 x 80 - 315																						
125 x 100 - 315																						
150 x 125 - 315																						
125 x 100 - 400																						
150 x 125 - 400																						
200 x 150 - 315																						
200 x 150 - 400																						
250 x 200 - 400																						
250 x 250 - 400																						

# Coupling Selection Chart

M.F. SIZE MODEL	71	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S/2	225S/4	225M/2	225M/4	250	280S	280M	315S/M	
40 x 32 - 125																						
40 x 32 - 160																						
50 x 40 - 125																						
50 x 40 - 160																						
65 x 50 - 125																						
65 x 50 - 160																						
40 x 32 - 200																						
80 x 65 - 125																						
80 x 65 - 160																						
50 x 40 - 200																						
65 x 50 - 200																						
80 x 65 - 200																						
40 x 32 - 250																						
100 x 80 - 160																						
100 x 80 - 200																						
100 x 80 - 200																						
125 x 100 - 200																						
50 x 40 - 250																						
65 x 50 - 250																						
80 x 65 - 250																						
100 x 80 - 250																						
65 x 50 - 315																						
80 x 65 - 315																						
125 x 100 - 250																						
150 x 125 - 250																						
100 x 80 - 315																						
125 x 100 - 315																						
150 x 125 - 315																						
125 x 100 - 400																						
150 x 125 - 400																						
200 x 150 - 315																						
200 x 150 - 400																						
250 x 200 - 400																						
250 x 200 - 400																						



# Base Plate Dimension & Recommended Foundation

BASE PLATE NO.	HA	HB	HE	HF	B	BOLTS	ØHH	Z	Z1	HC
01	240	900	100	826	75			160	140	
02		1000		926						83
03	290		115			M16	18			
04		1120		1046						
05	400	1380	150	1326						113
06		1400		1345	100			150	150	102.5
07	520		235	1526						122.5
08		1600				M20	23			123
09	550	1800	250	1726						130
10	600	2000	275	1900						160
11	700	2100	325	2000						

# Flange Dimensions

NORMAL BORE	STANDARD ND 16				OPTIONAL ANSI 150 lbs		
	OD	P.C.D.	NO. OF HOLES	HOLE SIZE	P.C.D.	NO. OF HOLES	HOLE SIZE
32	140	100	4	18	89	4	16
40	150	110			98.5		
50	165	125			120.5		
65	185	145			139.5		
80	200	160	8	23	152.5	19	
100	220	180			190.5		
125	250	210			216		
150	285	240			241.5		
200	340	295	12	26	298.5	23	
250	405	355			362		12



**Applications :**

SLURRIES OR CLEAR LIQUIDS,  
CORROSIVE LIQUIDS,  
EXTREME TEMPERATURE,  
THERMIC LIQUIDS, HAZARDOUS,  
INFLAMMABLE AND TOXIC LIQUIDS.

**Range :**

- CAPACITY UPTO 750 m<sup>3</sup>/h
- TOTAL HEAD UPTO 90 m
- WORKING PRESSURE UPTO 16 kg/cm<sup>2</sup>
- TEMPERATURE - 30°C TO 180°C
- PUMP SETTING DEPTH UPTO 6 m

**Design Features****Casing**

Volute type designed for high efficiency. Precision bored to provide locked fits and permanent alignment with bottom bearing housing. Jacketed construction can be offered to meet specific requirements.

- Closed as well as semi-open Impeller construction
- Simple mounting, no foundation needed
- Self-priming
- Axial adjustment maintains performance
- High temperature capability

**Shaft Coupling**

Designed on the principle of muffcoupling with modification of groove and split washers to support the weight. Machined to very close tolerances to reduce the run-out to negligible value.

**Impeller**

Closed impeller to operate at high efficiency. Impeller is keyed to shaft for secure fastening and locked by impeller nut which prevents it from loosening under reverse rotation. Semi-open impeller with replaceable wear plate can be offered for liquid having clogging tendencies.

**Column Pipe**

Fabricated from seamless pipes or integrally cast with flanges and machined for true parallelism. Lengths standardised for maximum interchangeability

**Steady Bearing**

Precision machined for positive alignment and secured in housing by press fitting. Available in CI, CFT, GFT.

**Support Plate**

Offered in mild steel as standard. If desired, cladding of competitive material can be given. Special construction for vapour proof application. Circular support plate conforming to ANSI B 16.5 are optional.

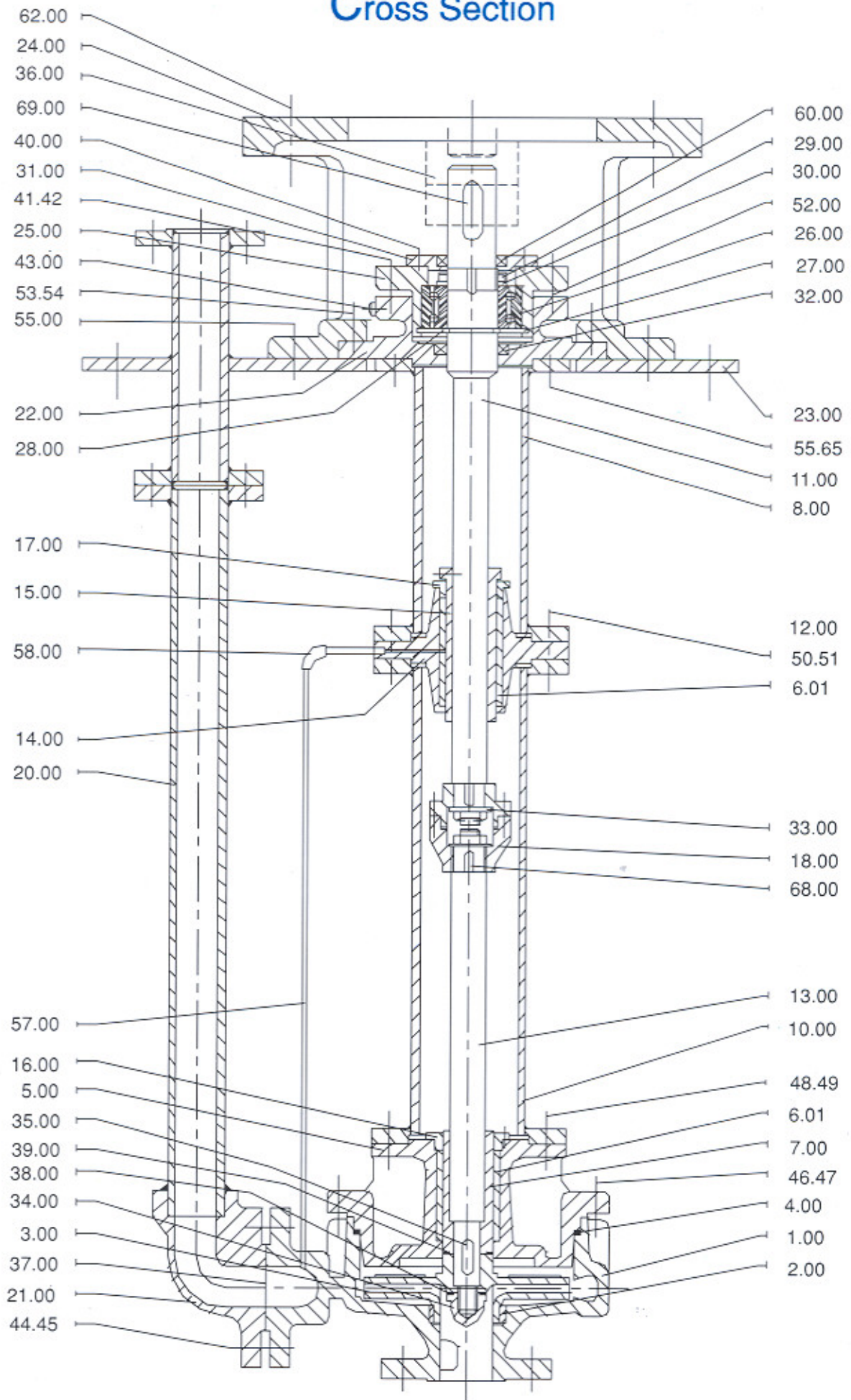
**Shaft**

Of more than ample strength and rigidity with proper span between bearings to keep deflection and vibrations to minimum. Machined to ensure minimum runout. Lengths standardised for maximum interchangeability and to reduce number of joints.

**Flushing**

Self from casing discharge nozzle to all steady bearings in case of clear cold pumped liquid and from external source by piping from support plate for handling liquids containing clogging material unaffected by mixing of flushing liquid.

# Cross Section



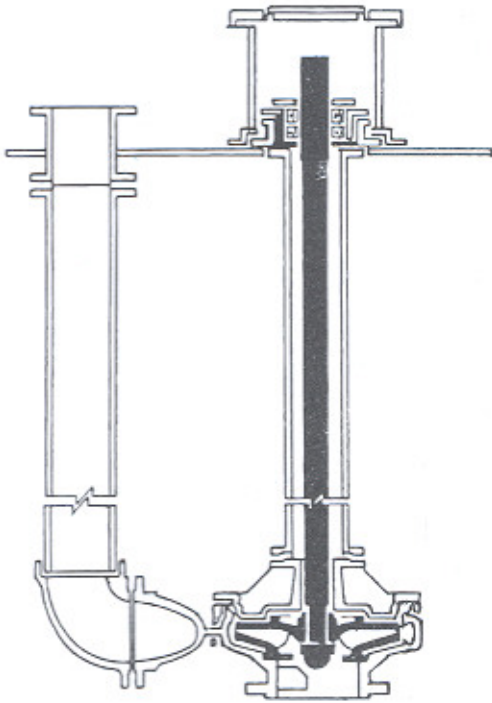
## Part List of Normal Construction

PART No.	No. of	PART NAME	MATERIAL				
			CI	CS	CF-8M	A-20	HAST - B/C
1	1	CASING	CI	CS	CF-8M	A-20	HAST - B/C
2	1	CASING WEAR RING	CI		CF-8M	A-20	HAST - B/C
3	1	IMPELLER	CI		CF-8M	A-20	HAST - B/C
4	1	GASKET CASING			CAF-40		
5	1	BOTTOM BEARING HOUSING	CI	CS	CF-8M	A-20	HAST - B/C
6A	1	STEADY BEARING (for bottom brg.hsg.)			CI/GFT/CFT		
6B	*	STEADY BEARING (for intermediate brg.hsg.)			CI/GFT/CFT		
7	1	SLEEVE (for bottom brg.hsg./Lower st. box cover)	CI		SS-316	A-20	HAST - B/C
8	1	HEAD COLUMN PIPE	STEEL		CF-8M	A-20	HAST - B/C
9	*	INTERMEDIATE COLUMN PIPE	STEEL		CF-8M	A-20	HAST - B/C
10	1	PUMP COLUMN PIPE	STEEL		CF-8M	A-20	HAST - B/C
11	1	HEAD SHAFT	EN-8			SS-316	
12	*	INTERMEDIATE SHAFT	EN-8			SS-316	
13	1	PUMP SHAFT	EN-8			SS-316	
14	*	INTERMEDIATE BEARING HOUSING	CI		CF-8M	A-20	HAST - B/C
15	*	SLEEVE (for intermediate brg.hsg.)	CI		SS-316	A-20	HAST - B/C
16	*	LOCK NUT, (bottom steady bearing)		CS	CF-8M	A-20	HAST - B/C
17	3	FLANGES	STEEL		SS-316	A-20	HAST - B/C
18	*	SHAFT COUPLING	EN-8		SS-316		
19	*	GRUB SCREW, (for int. brg.hsg. & upper st. box cov. Sleeve)	STEEL		SS-316	A-20	HAST - B/C
20	1	DISCHARGE PIPE	STEEL		CF-8M	A-20	HAST - B/C
21	1	DISCHARGE BEND	CI	CS	CF-8M	A-20	HAST - B/C
22	1	UPPER BEARING HOUSING			CI		
23	1	SUPPORT PLATE			STEEL		
24	1	MOTOR STOOL			CI		
25	1	BEARING CARTRIDGE			CI		
26	1	BALL BEARING			STEEL		
27	1	RETAINING RING (internal)			STEEL		
28	2	RETAINING RING (external)			STEEL		
29	1	LOCK NUT			STEEL		
30	1	LOCK WASHER			STEEL		
31 A	1	BEARING CARTRIDGE COVER			CI		
31 B	1	OIL SEAL BEARING CARTRIDGE COVER			BUNA RUBBER		
32	1	OIL SEAL UPPER BEARING HOUSING			BUNA RUBBER		
33	*	WASHER	STEEL		SS-316		
34	1	IMPELLER NUT	CI		CF-8M	A-20	HAST - B/C
35	1	IMPELLER KEY	EN-8		SS-316		
36	1	FLEXIBLE COUPLING			CI		
37	1	GASKET, DISCHARGE BEND			CAF-40		
38	1	GASKET, IMPELLER NUT			PTFE/CAF-40		
39	1	GASKET, (for sleeve bottom brg.hsg./lower st. box cov.)			PTFE/CAF-40		
40	1	HEX. BOLT (brg. Cartridge cover to brg. Cartridge)			STEEL		
41	3	JACK SCREW			STEEL		
42	3	JAM NUT			STEEL		
43	1	GREASE NIPPLE			STEEL		
44	4-8-12	STUD, DISCHARGE BEND	STEEL		SS-316	A-20	HAST - B/C
45	4-8-12	NUT, DISCHARGE BEND	STEEL		SS-316	A-20	HAST - B/C
46	4-8-12	STUD, CASING TO BOTTOM BRG. HSG./ADAPTER	STEEL		SS-316	A-20	HAST - B/C
47	4-8-12	NUT, CASING TO BOTTOM BRG.HSG./ADAPTER	STEEL		SS-316	A-20	HAST - B/C
48	6	STUD, (pump column pipe to bottom brg.hsg./adapter)	STEEL		SS-316	A-20	HAST - B/C
49	6	NUT, (pump column pipe to bottom brg.hsg./adapter)	STEEL		SS-316	A-20	HAST - B/C
50	*	STUD, (pump column pipe to head column pipe)	STEEL		SS-316	A-20	HAST - B/C
51	9	NUT, (pump column pipe to head column pipe)	STEEL		SS-316	A-20	HAST - B/C
52	3	HEX. (SCREW, bearing cartridge to upper brg.hsg.)			STEEL		
53	2-4	STUD, (motor stool to upper brg.hsg.)			STEEL		
54	2-4	NUT, (motor stool to upper brg.hsg.)			STEEL		
55	6	HEX. SCREW, (support plate to motor stool/spacer)			STEEL		
56	6	STUD; (head column pipe to upper brg.hsg./upper st.box cov.)			STEEL		
57	1	LUBRICATION FLUSH LINE	STEEL		SS-316		PTFE
58	*	MALE ELBOW, (bottom brg.hsg./steady beg.hsg.)	STEEL		SS-316		PTFE
59	*	MALE BRANCH TEE	STEEL		SS-316		PTFE
61	1	MALE CONNECTOR	STEEL		SS-316		PTFE
62	4-8	HEX. SCREW, (motor to motor stool)			STEEL		
65	6	NUT, (head column pipe to upper brg.hsg./upper st.box.cov)			STEEL		
68	*	KEY, (shaft coupling)	EN-8		SS-316		
69	1	KEY, (coupling)	EN-8				

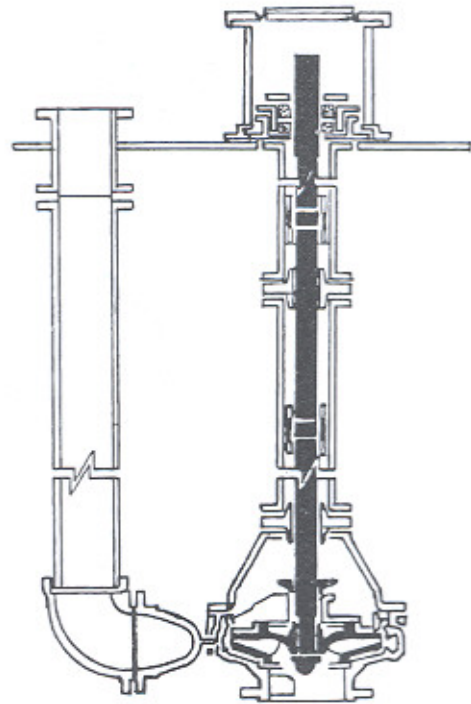
\* DEPENDENT ON PIT DEPTH

Less than 1.5 m setting depth, single shaft & Column pipe construction is offered

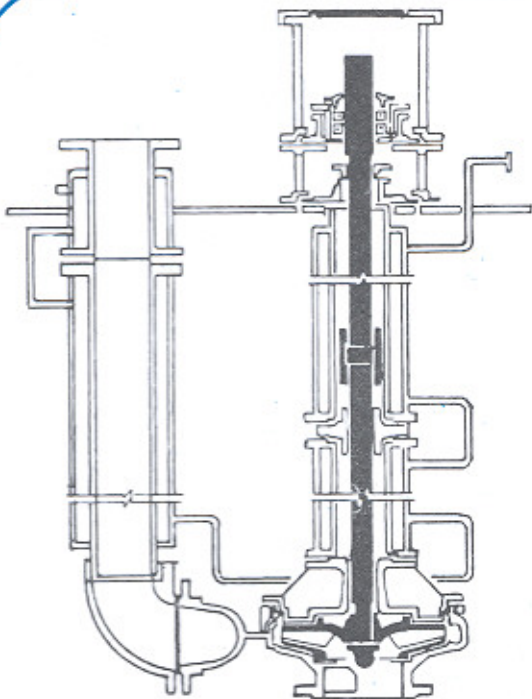
# Special Features



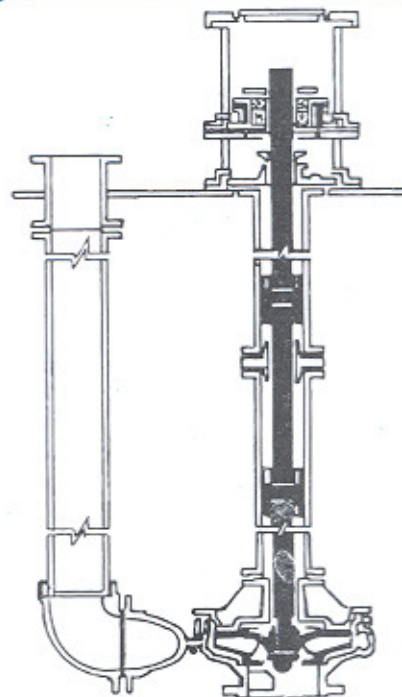
CCV-S : Single piece shaft between support plate and pump impeller, enhances mechanical rigidity. Can be offered upto 2m. pump setting



CCV-B : Drypit construction for eliminating necessity of costly alloy shafting and column pipes for reduction of cost.

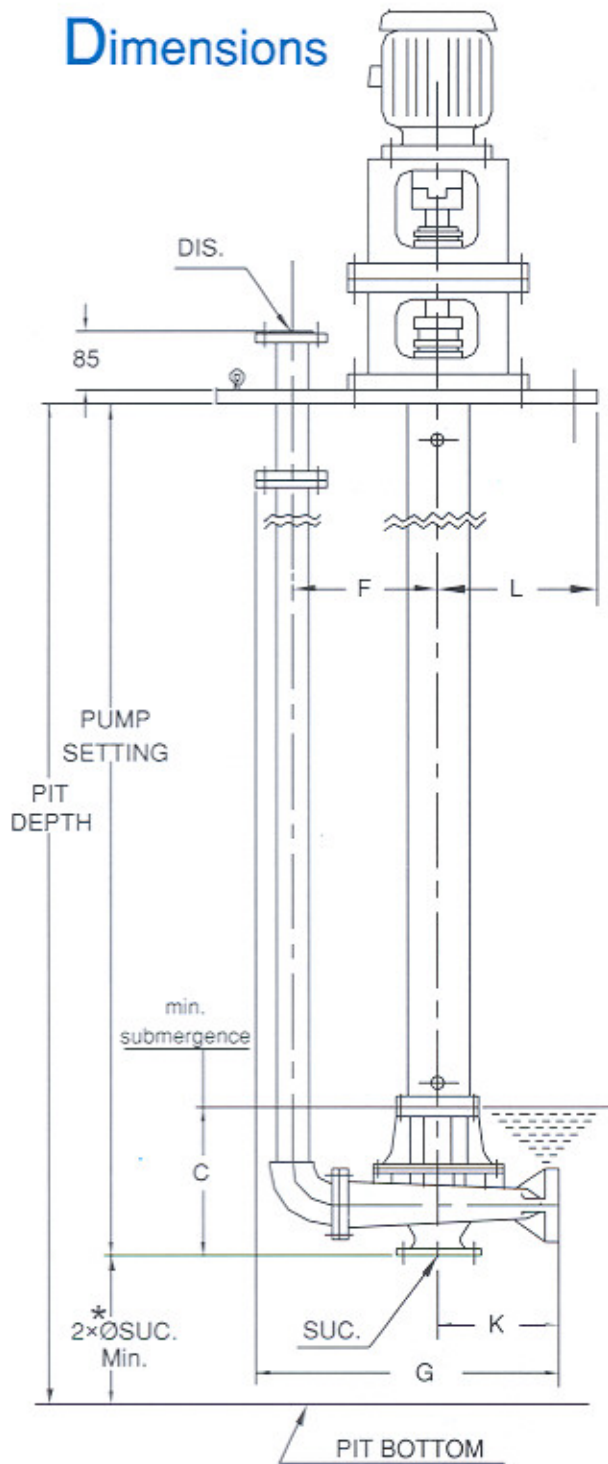


CCV-J : Jacketed construction of suitable welding for high temperature and pressure for pumping the liquids of low melting point.



CCV-P : Vapour proof arrangement at the support plate by means of gland packed/mechanical seal arrangement sandwiched between sp. Support plate and motor stool. Offered for liquids like  $H_2SO_4$  and Hydrocarbons emitting hazardous fumes and vapour.

# Dimensions



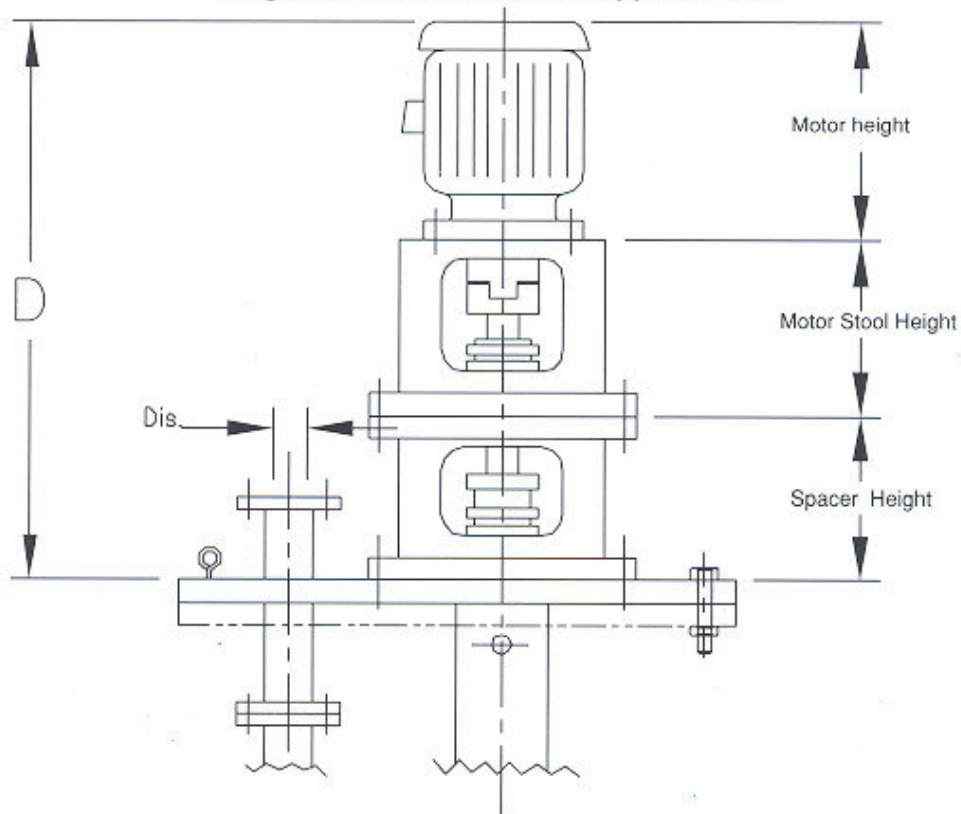
\* When suction strainer is provided the clearance of 2X ØSUC. (Min) is maintained below the strainer bottom

# Pump Overall Deminsions

Model	Assy.	Support Plate No.	F	G	C	K	L	
40 x 32 - 125	7	V-01	210	360	230	112	175	
40 x 32 - 160			210	410		132		
40 x 32 - 200			230	450		160	195	
65 x 50 - 160			220	440		132	175	
40 x 32 - 250		V-02	250	275	520	180	225	
50 x 40 - 200				235	460	160		
65 x 50 - 200				240	480	160	215	
80 x 65 - 160				245	500	160	210	
80 x 65 - 200	265			520	160	210		
65 x 50 - 250	11	V-03	285	550	250	180	220	
80 x 65 - 250			290	560	280	180		
100 x 60 - 160			287	550	250	160		
100 x 80 - 200		312	590	280	180	250		
65 x 50 - 315		310	600		200			
100 x 80 - 250		337	640	200	290			
100 x 80 - 315		367	690	290		225		
125 x 100 - 200		V-08	280	383	700	280	200	250
125 x 100 - 250				383	730	225		
125 x 100 - 315		V-09	300	418	790	300	250	400
150 x 125 - 250				470	850		250	
150 x 125 - 315				470	880		280	
125 x 100 - 400				458	880		280	
150 x 125 - 400				515	960		315	
200 x 150 - 400		13	V-10	580	1081	350	315	380
250 x 250 - 400				725	1300	470	355	

# Pump Overall Dimensions

Height of Motor end from Support Plate



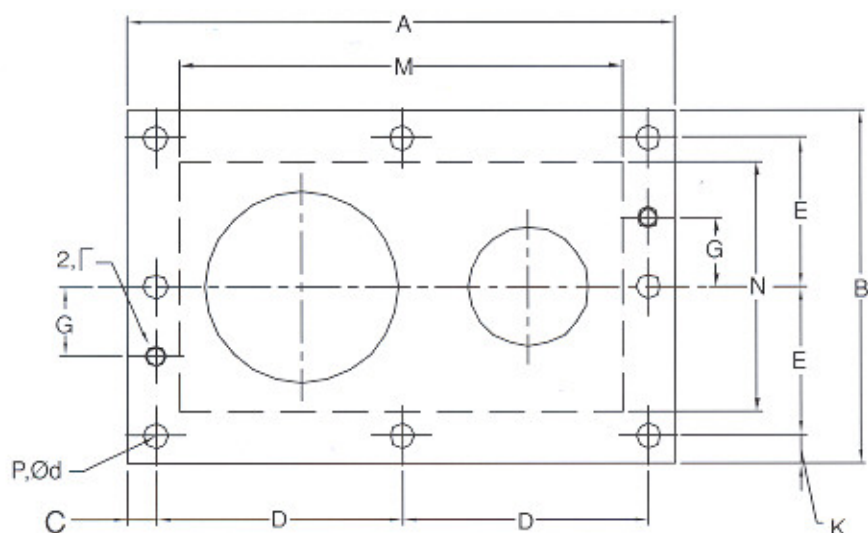
$H = \text{Motor Stool Height} + \text{Motor Height (For Std. Const.)}$

$D = \text{Motor Stool Height} + \text{Spacer Height} + \text{Motor Height (For VP Const.)}$

Motor Frame Size	Motor Stool Height			Spacer Height		App. Motor Height	
	7	11	13	7	11 & 13	TEFC	FLP
71	197	-	-	154	160	215	-
80	207	247	-			234	-
90S	217	257	-			278	-
90L						303	327
100L	227	267	-			315	355
112L						340	365
132S	251	287	334			380	-
132M						420	430
160M	281	317	364			486	-
160L						530	555
180M						552	-
180L						590	581
200L	-	-	-			828	628
225S	-	-	394			-	-
225M	-	-	-			692	700
250M	-	-	408			759	770
280M	-	-	-			889	890
315M	-	-	-			986	1000

(CGL Motor)

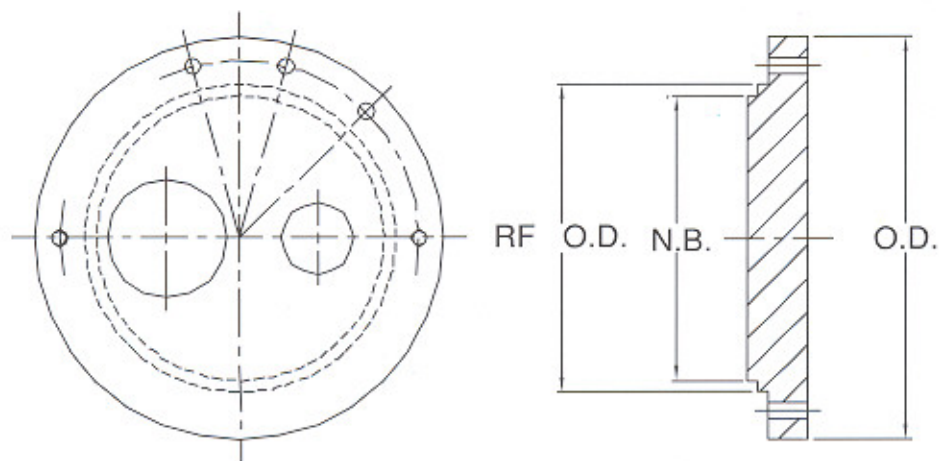
# Support Plate Construction Types



**Rectangular Support Plate**

Support Plate No.	Dimensions												
	A	B	C	D	E	K	THK.	$\varnothing d$	P	M	N	F	G
V-01	530	350	16	249	159	16	14	14	6	470	290	M 12	100
V-02	615	420	16	292	194	16	14	14	8	555	360	M 12	100
V-03	650	430	16	309	199	16	16	14	8	590	370	M 12	100
V-06	755	490	16	362	229	16	16	14	8	695	430	M 16	100
V-08	860	550	16	414	259	16	16	14	8	800	490	M 16	100
V-09	1130	740	20	545	350	20	20	18	8	1050	660	M 16	150
V-10	1200	750	30	570	345	30	25	23	8	1080	630	M 20	150

\* M & N Refers to Pit Dimension



**Circular Support Plate**

Optional (dimensions as specified by customer)



# SULZER

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