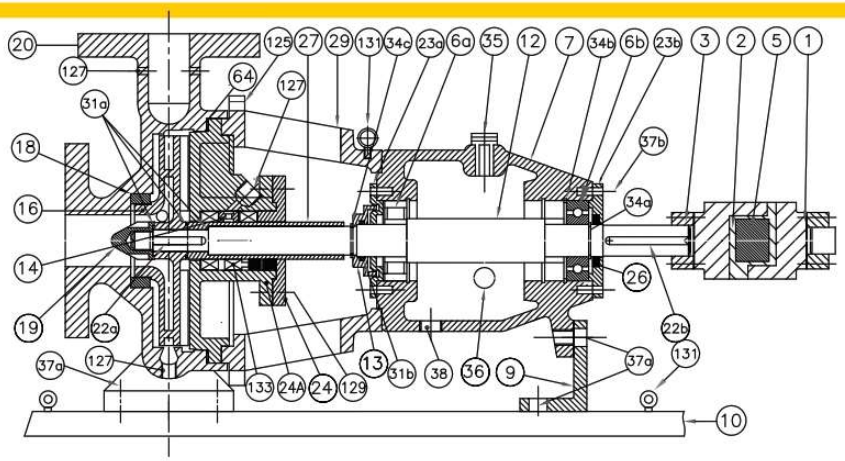
HORIZONTAL CHEMICAL PROCESS PUMPS

TÜV SÜD ISO 9001
Reg. No. 9910000526

CHEMLIN®

Designed To Meet Your Specifications !

PART LIST



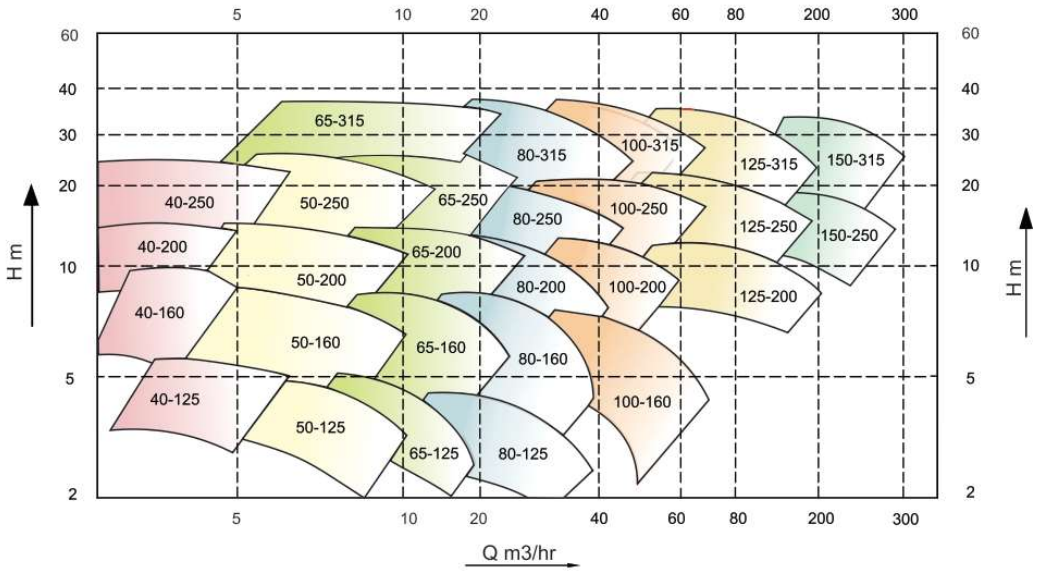
NO	PART	QTY	MATERIAL		
1	Motor Half Coupling	1	CI		CS
2	Spider / Snap Wrap	1	Rubber		
3	Pump Half Coupling	1	CI		CS
5	Coupling Spacer	1	AL		CI
6a	Inboard Roller Bearing	1	CS		
6b	Outboard Ball Bearing	1	CS		
7	Ball Bearing Housing	1	CI	CS	SS
9	Support Foot	1	CI	CS	SS
10	Base Plate	1	MS		SS
12	Shaft	1	CS		SS
13	Deflector	1	CS		SS
14	Lantern Ring	1	CS	MS	SS
16	Impeller	1	CI	CS	SS
18	Casing Ring	1	CI	CS	SS
19	Impeller Nut	1	CS		SS
20	Volute Casing	1	CI	CS	SS
22a	Impeller Key	1	CS		SS
22b	Coupling Key	1	CS		SS
23a	Inboard Ball Bearing Cover	1	CI		CS
23b	Outboard Ball Bearing Cover	1	CI		CS
24	Gland Plate / Pusher	1	CI	CS	SS
24A	Stuffing Box	1	CI	CS	SS
26	Oil Seal	2	Rubber		
27	Shaft Sleeve	1	CI	CS	SS
29	Adapter	1	CI	CS	SS
31a	'O' Ring	3	Viton		Rubber
31b	'O' Ring	1	Viton		Rubber
34a	Circlip External	1	CS		
34b	Circlip Internal	2	CS		
34c	Circlip External	1	CS		
35	Breather Plug	1	AL		CS
36	Oil Level Indicator / Leveller	1	AL		PL
37a	Full Thread Bolts	1 Set	MS		SS
37b	Full Thread Bolts	1 Set	MS		SS
38	Oil Drain Plug	1	CI		CS
64	Gasket Set	1 Set	ASBESTOS		PTFE
125	Studs & Nuts	1 Set	MS		SS
127	Plug	3	CI	CS	SS
129	Allen Bolts	2/4	MS		SS
131	Lifting Eye Bolt	3	MS		SS
133	Mechanical Seal or Gland Packing	1 Set	BEST INDIAN MAKE ASBESTOS / PTFE		

*Direction of rotation is clockwise as viewed from coupling end .

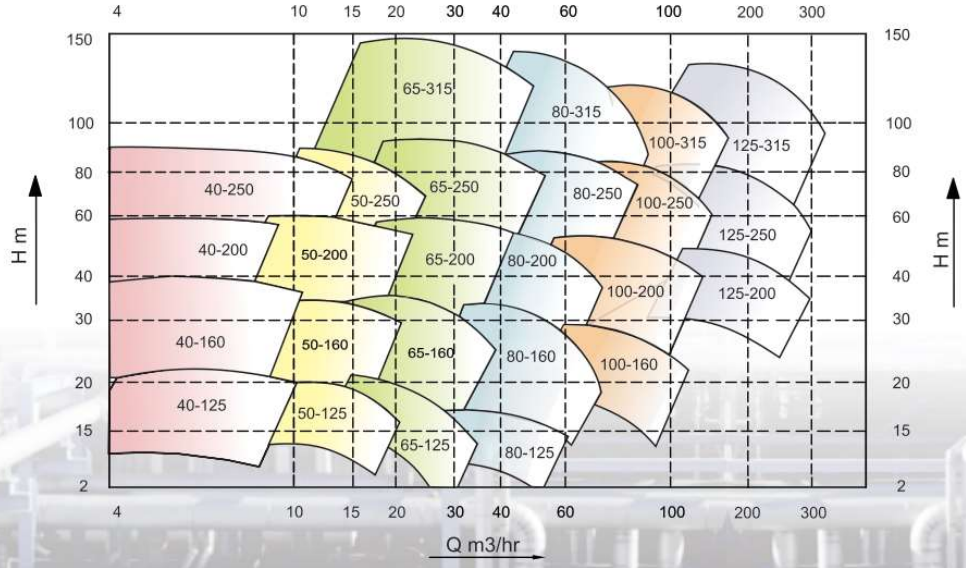
PERFORMANCE RANGE CHART

Excellent coverage of " CHEMLIN" Make Horizontal Centrifugal Pump Type "AB" gives you better selection at any design point. This means, even at application points falling at the top or bottom of the chart, where the efficiency is traditionally low, you can select a pump to reduce costs. Each pump is designed for optimum performance with reliability in operation at low cost.

1450 R.P.M.



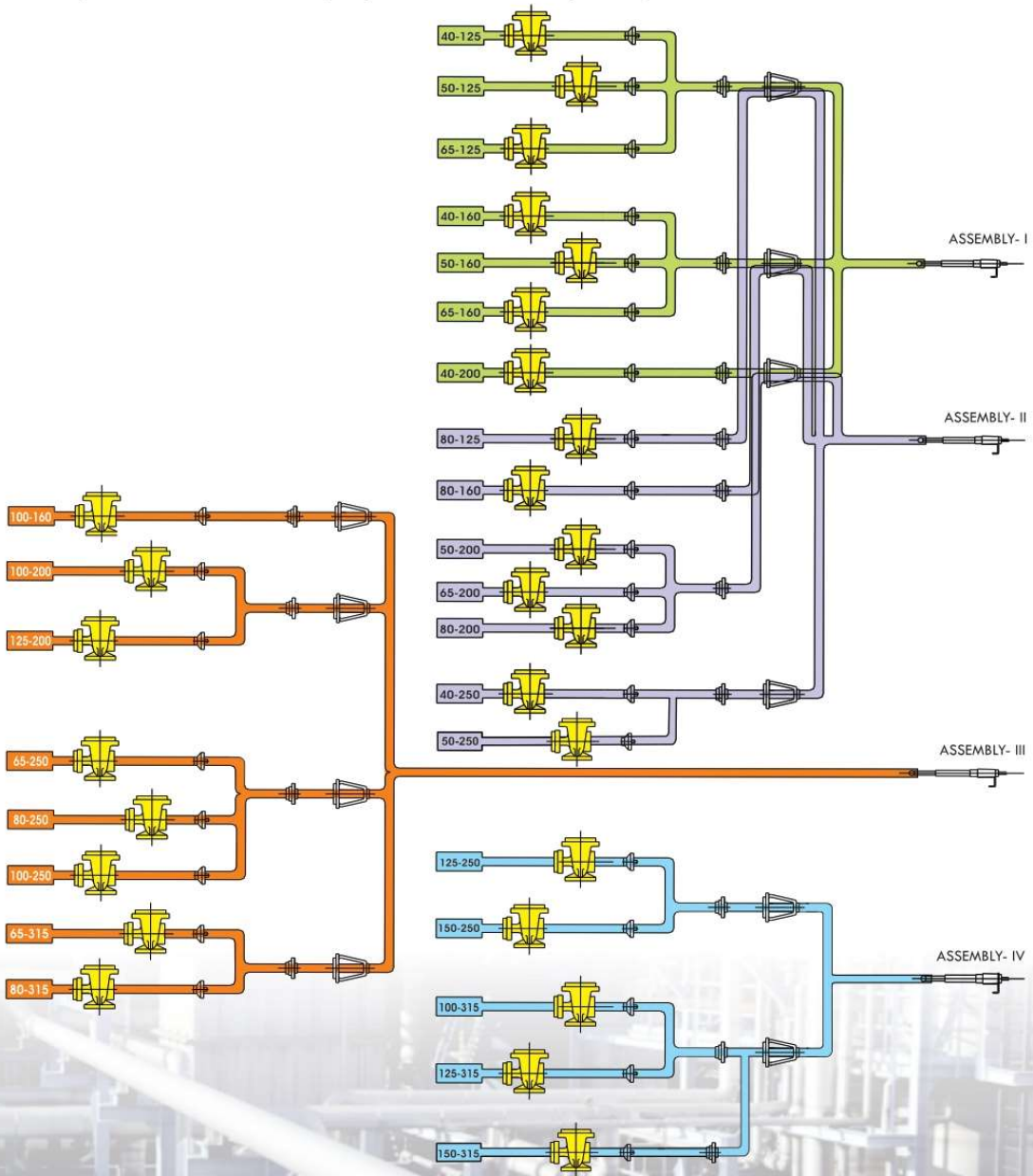
2900 R.P.M.



***Note** : In the designation used for various pump sizes, the first number indicates the Suction Diameter & second number the Maximum Impeller Diameter.

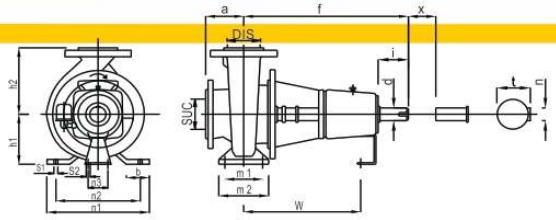
INTERCHANGEABILITY/ STANDARD MODELS

All Pumps with same Bearing Assembly have same Shaft, Impeller nut, Ball Bearings etc. The Shaft seal assembly and Adaptor are same for several pump sizes, hence inventory management is easier and cost effective.



CHEMLIN Horizontal Process Pump Type 'AB' have 27 standard models with well-designed interchangeability of parts. With 4 bearing assemblies,10 Adaptors &14 Stuffing Boxes, it allows low inventory with maximum interchangeability.

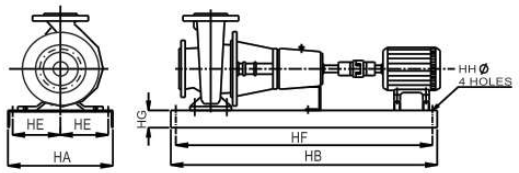
NOMINAL DUTY POINT & DIMENSIONS



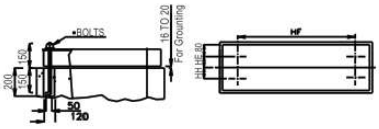
PUME SIZE			NOMINAL DUTY				PUMP				DIMENSIONS IN MILIMETERS															
			1450 rpm		2900 rpm						SUPPORT							BOLT HOLES		SHAFT END				x
ø SUC mm	ø DIS mm	ø IMPELLER NOMINAL	Q m³/h	H m	Q m³/h	H m	a	f	h1	h2	b	m2	m1	n1	n2	n3	w	S1	S2	d	i	t	u	
40●	32	125	3.2	5	6.3	20	80	385	112	140	50	100	70	190	140	110	285	M12	M12	24	50	27.3	8	100
40●	32	160		8		32			132	160				240	190									
40●	32	200		12.5		50			160	180														
40●	32	250		20		80	100		180	225	65	125	95	320	250									
50	40*	125	6.3	5	12.5	20	80	385	112	140	50	100	70	190	140	110	285	M12	M12	24	50	27.3	8	100
50	40*	160		8		32			132	160				240	190									
50	40*	200		12.5		50			160	180														
50	40*	250		20		80	100	385	180	225	60	100	70	320	250									
65	50	125	12.5	5	25	20	80	385	112	140	50	100	70	210	160	110	285	M12	M12	24	50	27.3	8	100
65	50	160		8		32			132	160				240	190									
65	50*	200		12.5		50			160	180				265	212									
65	50*	250		20		80	100	500	180	225	65	125	95	320	250		370			32	80	35.3	10	
65	50*	315		32		125	125		200	250				345	280									
80	65	125	25	5	50	20	100	385	132	160	50	100	70	240	190	110	285	M12	M12	24	50	27.3	8	100
80	65	160		8		32			160	180				265	212									
80	65*	200		12.5		50				200														
80	65*	250		20		80	125	500	180	225	65	125	95	320	250		370			32	80	35.3	10	
80	65*	315		32		125			225	280				345	280									
100	80	160	50	8	100	32	100	500	160	200	65	125	95	280	212	110	370	M12	M12	32	80	35.3	10	100
100	80*	200		12.5		50			180	225				320	250									
100	80*	250		20		80	125		200	250	80	160	120	360	280			M16		42	110	45.3	12	140
100	80*	315		32		125		530	225	280				400	315									
125	100	200	100	12.5	200	50	125	500	200	280	80	160	120	360	280	110	370	M16	M12	32	80	35.3	10	140
125	100	250		20		80	140	530	225					400	315					42	110	45.3	12	
125	100	315		32		125			250	315														
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		100	200	150	500	400			M20						

These are supplementary to ISO 2858 std. * Discharge size provided one size higher to reduce flow velocities and there by frictional losses in the piping. With this exception , discharge nozzle is one size smaller than suction nozzle.

BASE PLATE DIMENSIONS



RECOMMENDED FOUNDATION



BASE PLATE DIMENSIONS

BASE PLATE NO.	MOTOR FRAME	HA MM	HB MM	HE MM	HF MM	HH MM	HG MM
01	80M 90S 90L	260	900	115	826	18	75
02	100L 112M	300	1000	130	926	18	75
	132S	300	1000	130	926	18	100
03	132M 160M	300	1120	130	1046	18	100
04	132M	360	1120	160	1046	18	100
05	160M 160L 180M	360	1400	160	1326	18	100
06	180L	360	1400	160	1326	23	
07	160M 180L 225M	400	1400	180	1326	23	150
08	180L	500	1400	230	1326	23	150
09	250M	500	1600	230	1526	23	150
10	315M	400	1800	180	1726	23	150
11	250M	560	1800	260	1726	23	150
12	280S	560	1800	260	1756	23	150

FLANGE DIMENSIONS

NOMINAL BORE	STANDARD ND 16-DIN 2533/2543			OPTIONAL ASA 125 /150 LBS		
	PCD	HOLE SIZE	NO. OF HOLES	PC	HOLE SIZE	NO. OF HOLES
32	100	18	4	88.9	14.3	4
40	110			98.4		
50	125			120.4	17.5	
65	145			139.7		
80	160		8	152.4		
100	180			190.5		
125	210			215.9	22	8
150	240	23	12	241.3		
200	295	23		298.4		

***NOTE** : Dimensions given in catalogue are only indicative & should not be used for construction of foundation unless certified.

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Chemlin Pumps and manufactured at a modern manufacturing set -up at kagal Since 1987. This plant has a state- of- the- art- technology and instrumentation for pump testing which is done by using a computerized Pump testing facility. 'Chemlin' has a strong, experienced and dedicated workforced led by technocrats with years of experience of handling various grades of materials and modern machining practices for achieving excellent Quality of Product. The complete design and manufacturing process is standardized under ISO 9001-2015 Quality Management System. The Business Associates of ' Chemlin' are placed at strategic locations in various parts of the country to give prompt services to all our valued customers.

Chemlin Pumps and Valves are being used in various Process Industries all over India & abroad. The products are designed and manufactured to International Standards and offer all desired features and options for maintenance free operations. ' Chemlin' brand products are serving the Chemical and Process Industry for over last three decades and are the first choice of Maintenance Engineers.

Chemlin Pumps are built using quality materials, with precision workmanship and thorough testing. The parts which are subject to abrasion are heat treated . The units are built with standard dimensions and accuracy is maintained. The pumps are manufactured to DIN, ISO, ANSI Standards. Many of the important features of the pump generally comply to API 610 6th Edition.

APPLICATIONS :

- In pumping corrosive & abrasive liquids
- Fertilizer & Petrochemical Industry
- Sugar Industry
- Organic & In - organic liquids in Chemical Industries
- Paper and other Process Industries.
- Pharmaceutical Industry

RANGE :

Capacity : Upto 300 M^3/HR
Temperature : 20°C to 150°C
Head : upto 140 MLC
Size : 32mm to 150 mm
Working Pressure : 18 Kg/cm^2

DESIGN FEATURES :

1. Horizontal, top center-line discharge, end suction, with back pull-out construction, semi- open and closed impeller designs.
2. Low NPSH values.
3. The Stuffing Box is designed for using Mechanical Seal or Gland packed Sealing arrangement, low downtime in maintenance.
4. Impeller designs with thrust balancing vanes / holes.
5. Maximum interchangeability of parts hence low inventory of spares.
6. Rigid construction , longer life.
7. Standard coupling with spacer elements, low down - time and easy maintenance.

MATERIAL OF CONSTRUCTION :

Cast Iron , Cast Steel, Stainless Steel of different grades, Non- Ferrous materials,
DIN 4136, CA 15, CA6NM, CN7M, R- 55, CD4MCu, Hastalloy grades and Special Alloy Steels.

- In search of excellence, we reserve the right to alter or change specifications without prior notice.

Tested And Proven CHEMLIN For Over Three Decades

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