



SLO - SLOSS - SL SERIES

Centrifugal End Suction Pumps

CATALOGUED





Stainless Steel Impeller



Cast Iron Impeller



Bronze Impeller



SL SERIES
High Pressure Pump



SLOSS SERIES
Stainless Steel Pump (SS304/SS316)



SLO SERIES
Standard Cast Iron Pump

Solid Pump

Solid pumps All can be used for following services in commercial, residential, agriculture, petroleum, food & beverages industries, industrial processing.

Other Types Impeller of SOLID PUMPS



Semi-Open
Impeller

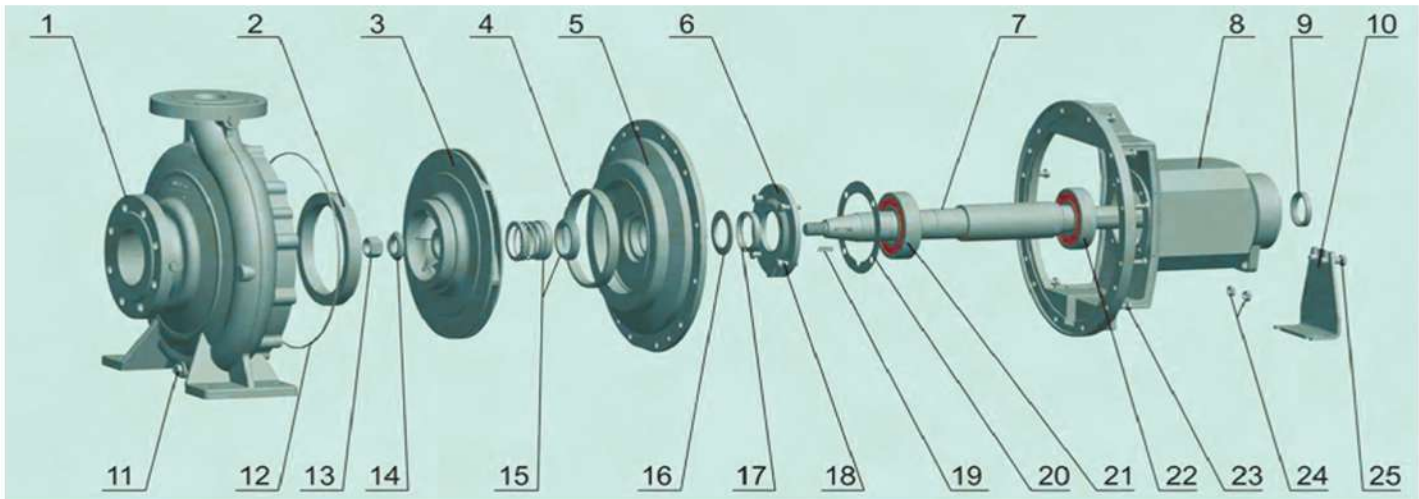


Open
Impeller

Applications

- ✓ Air Conditioning
- ✓ Fire Protection
- ✓ Plumbing
- ✓ Circulating
- ✓ Transfer
- ✓ Refrigeration
- ✓ Pressure Boosting
- ✓ Cooling Towers
- ✓ Irrigation
- ✓ Water Treatment & Supply
- ✓ Chemical
- ✓ Sea Water Treatment
- ✓ Marine Use

Pump Structure



Parts Name & Code

1	2	3	4	5	6	7	8	9
Casing	Front-wear ring	Impeller	Back-Wear Ring	Casing Cover	Bearing Cover	Shaft	Bearing Housing	Rear Oil Seal
10	11	12	13	14	15	16	17	
Support Foot	Drainage plug & Washer	Casing O-Ring	Impeller Nut	Washer	Mechanical Seal	Slinger	Front Oil Seal	
18	19	20	21	22	23	24	25	
Bolt	Impeller Key	Gasket	Front-Bearing	Rear-Bearing	Bolt	Nut	Bolt	

About Solid Pump

Solid is pumps with technology, design & parts of her best class in Europe market. Pumps with high quality raw materials, excellent design and competitive price now has been present in Indonesia. Solid pumps is available in several types are:

- 1). SLO series with material cast iron, material impeller is a bronze, cast iron, stainless steel SS304 & SS316, and material shaft is stainless steel.
- 2). SLOSS series the material body full stainless steel SS304 with special impeller stainless steel SS316.
- 3). SL series it's high pressure pump with material cast iron & material of impeller is bronze, cast iron, stainless SS304 & SS316.

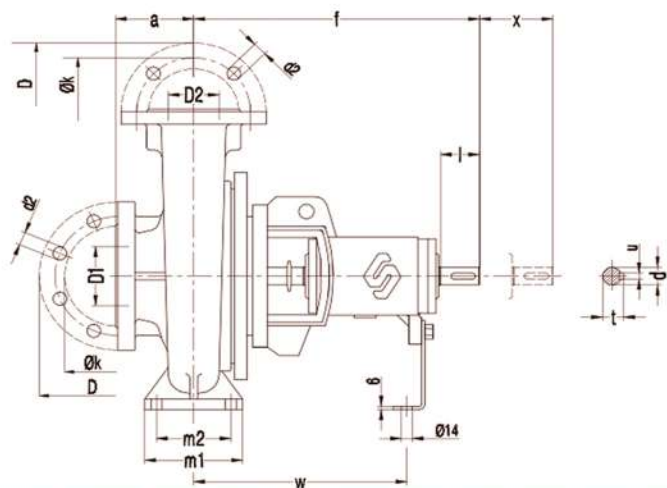
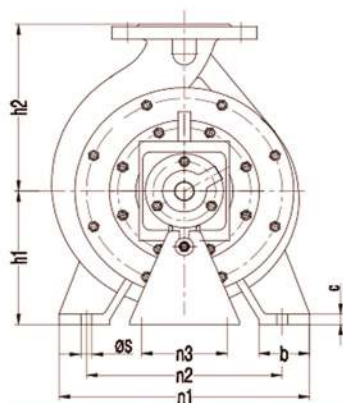
The Solid pumps fully confirmed to the Europe pump standard and covers all sizes nominated. This standard covers both performance and dimensions. The Solid pumps offers users many advantages over equivalent pumps, because the range incorporates a number of features that improve reliability & performance, while simplifying maintenance and spare parts inventory. The pumps has back pull-out design and when a suitable spacer coupling is fitted to a direct coupled unit, the casing and motor can remain in position while all other pump parts can be removed for simple and quick maintenance.

Technical Information

Flow Rate (Q)	: 3 - 3100 m ³ /h
Head (H)	: 3 - 750 m
Speed	: 50Hz (1450 or 2900 Rpm) 60Hz (1750 or 3500 Rpm)
Temperature	: -10°C - 115°C
Working Pressure	: 10 Bar standard, 16 Bar optional
Test Pressure	: 16 Bar standard, 24 Bar optional



Dimensions Table SLO & SLOSS Series



Pump Model	Bearing housing	D2	D1	a	f	h1	h2	b	c	m1	m2	n1	n2	n3	s	w	d	l	t	u	x
32-13	25	32	50	80	360	112	140	50	14	100	70	190	140	100	14	267	24	50	27	8	4
32-16	25a	32	50	80	360	132	160	50	14	100	70	240	190	100	14	267	24	50	27	8	4
32-20	25	32	50	80	360	160	180	50	14	100	70	240	190	110	14	267	24	50	27	8	4
32-26	25a	32	50	100	360	180	225	65	14	125	95	320	250	110	14	267	24	50	27	8	4
40-13	25	40	65	80	360	112	140	50	14	100	70	210	160	100	14	267	24	50	27	8	4
40-16	25a	40	65	80	360	132	160	50	14	100	70	240	190	100	14	267	24	50	27	8	4
40-20	25	40	65	100	360	160	180	50	14	100	70	265	212	110	14	267	24	50	27	8	4
40-26	25a	40	65	100	306	180	225	65	14	125	95	320	250	110	14	267	24	50	27	8	4
40-32	35	40	65	125	470	200	250	65	14	125	95	345	280	110	14	342	32	80	35	10	4
40-32H	45	40	65	125	526	200	250	65	14	125	95	345	280	110	14	367	42	110	45	12	4
50-13	25	50	65	100	360	132	160	50	14	100	70	240	190	100	14	267	24	50	27	8	4
50-16	25A	50	65	100	360	160	180	50	14	100	70	265	212	110	14	267	24	50	27	8	4
50-20	25	50	65	100	360	160	200	50	14	100	70	265	212	110	14	267	24	50	27	8	4
50-26	25A	50	65	100	360	180	225	65	14	125	95	320	250	110	14	267	24	50	27	8	4
50-26H	35	50	65	100	470	180	225	65	14	125	95	320	250	110	14	344	32	80	35	10	4
50-32	35	50	65	125	470	225	280	65	18	125	95	345	280	110	14	342	32	80	35	10	4
50-32H	45	50	65	125	526	225	280	65	18	125	95	345	280	110	14	367	42	110	45	12	4
65-13	25	65	80	100	360	160	180	65	14	125	95	280	212	110	14	267	24	50	27	8	4
65-16	25A	65	80	100	360	160	200	65	14	125	95	280	212	110	14	267	24	50	27	8	4
65-20	25	65	80	105	360	180	225	65	14	125	95	320	250	110	14	267	24	50	27	8	4
65-20H	35	65	80	105	465	180	225	65	14	125	95	320	250	110	14	339	32	80	35	10	4
65-26	35	65	80	100	470	200	250	80	15	160	120	360	280	110	18	342	32	80	35	10	4
65-32	35	65	80	125	470	225	280	80	18	160	120	400	315	110	18	342	32	80	35	10	4
65-32H	45	65	80	125	526	225	280	80	18	160	120	400	315	110	18	367	42	110	45	12	4
80-16	25A	80	100	125	360	180	225	65	14	125	95	320	250	110	14	267	24	50	27	8	4
80-20	35	80	100	125	470	180	250	65	15	125	95	345	280	110	14	342	32	80	35	10	4
80-26	35	80	100	125	470	200	280	80	15	160	120	400	315	110	18	342	32	80	35	10	4
80-32	35	80	100	125	470	250	315	80	16	160	120	400	315	110	18	342	32	80	35	10	4
80-32H	45	80	100	125	526	250	315	80	16	160	120	400	315	110	18	367	42	110	45	12	4
80-40	45	80	100	125	530	280	355	83	18	160	120	440	340	110	18	370	42	110	45	12	4
100-16	35	100	125	125	470	200	250	80	15	160	120	360	280	110	18	342	32	80	35	10	4
100-20	35	100	125	125	470	200	280	80	16	160	120	360	280	110	18	342	32	80	35	10	4
100-26	35	100	125	140	470	225	280	80	16	160	120	400	315	110	18	342	32	80	35	10	4
100-32	35	100	125	140	470	250	315	80	16	160	120	400	315	110	18	342	32	80	35	10	4
100-32H	45	100	125	140	526	250	315	80	16	160	120	400	315	110	18	367	42	110	45	12	4
100-40	45	100	125	140	530	280	355	100	20	200	150	500	400	110	23	370	42	110	45	12	4
125-20	35	125	150	140	470	250	315	80	16	160	120	400	315	110	18	342	32	80	35	10	4
125-26	35	125	150	140	470	250	355	80	16	160	120	400	315	110	18	342	32	80	35	10	4
125-32	45	125	150	140	530	280	355	100	18	200	150	500	400	110	23	370	42	110	45	12	4
125-40	45	125	150	160	530	315	400	100	18	200	150	500	400	110	23	370	42	110	45	12	4
150-20	35	150	200	160	497	280	400	100	18	200	150	400	315	110	23	367	32	80	35	10	4
150-26	45	150	200	160	530	250	355	100	18	200	150	450	350	110	23	370	42	110	45	12	4
150-32	45	150	200	160	530	280	400	100	18	200	150	550	450	110	23	370	42	110	45	12	4
150-40	45	150	200	160	530	315	450	100	18	200	150	550	450	110	23	370	42	110	45	12	4
200-26	45	200	250	180	555	315	450	100	20	200	150	550	450	110	28	392	42	110	45	12	4
200-32	55	200	250	180	670	315	480	120	20	220	170	600	480	110	28	505	48	110	51	14	4
200-40	55	200	250	180	670	335	480	120	20	220	170	600	480	110	28	505	48	110	51	14	4
250-32	55	250	300	220	691	355	520	150	26	250	200	660	510	110	28	525	48	110	51	14	4
250-40	55	250	300	220	682	400	560	150	26	250	200	660	510	110	28	516	48	110	51	14	4

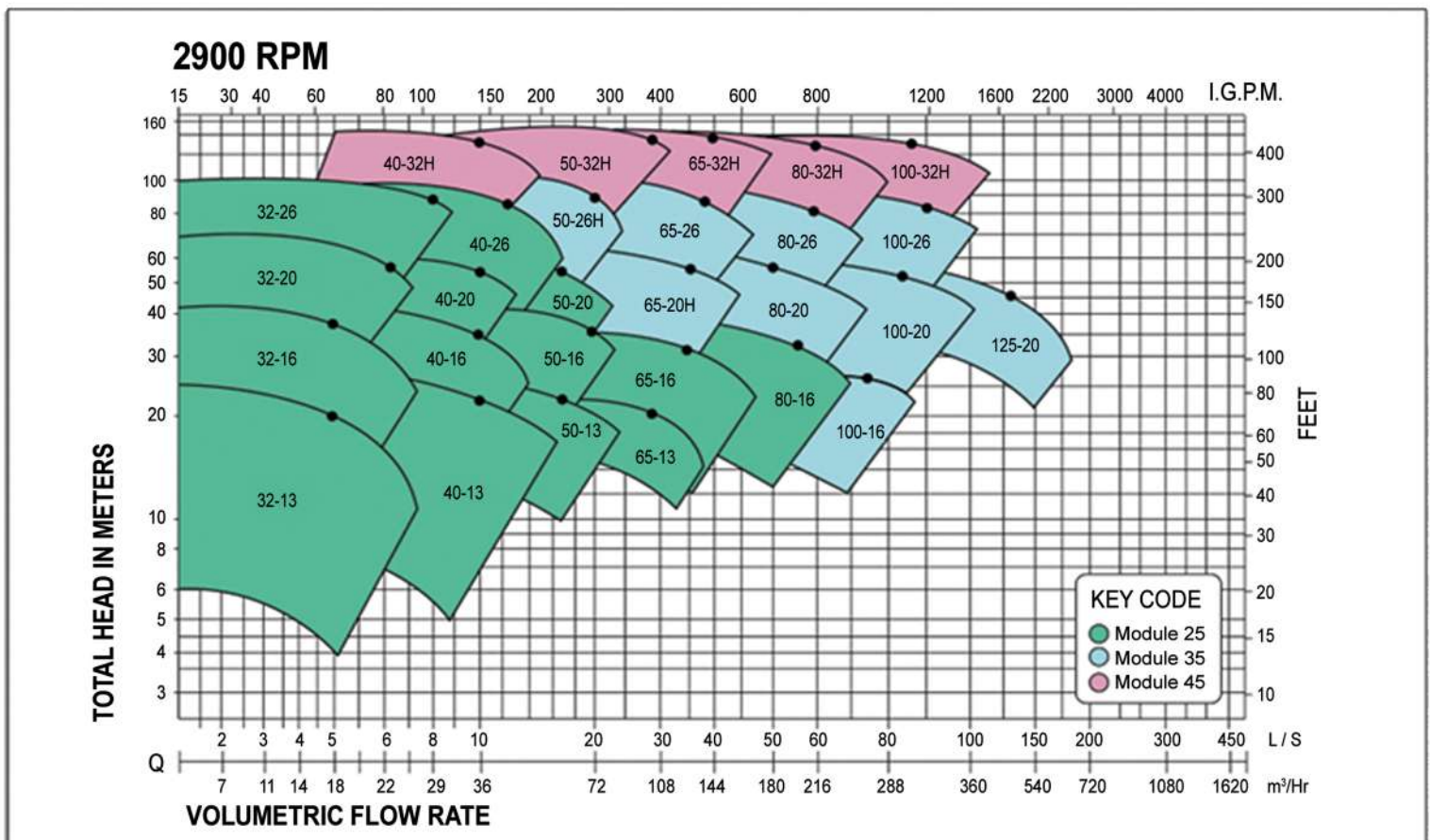
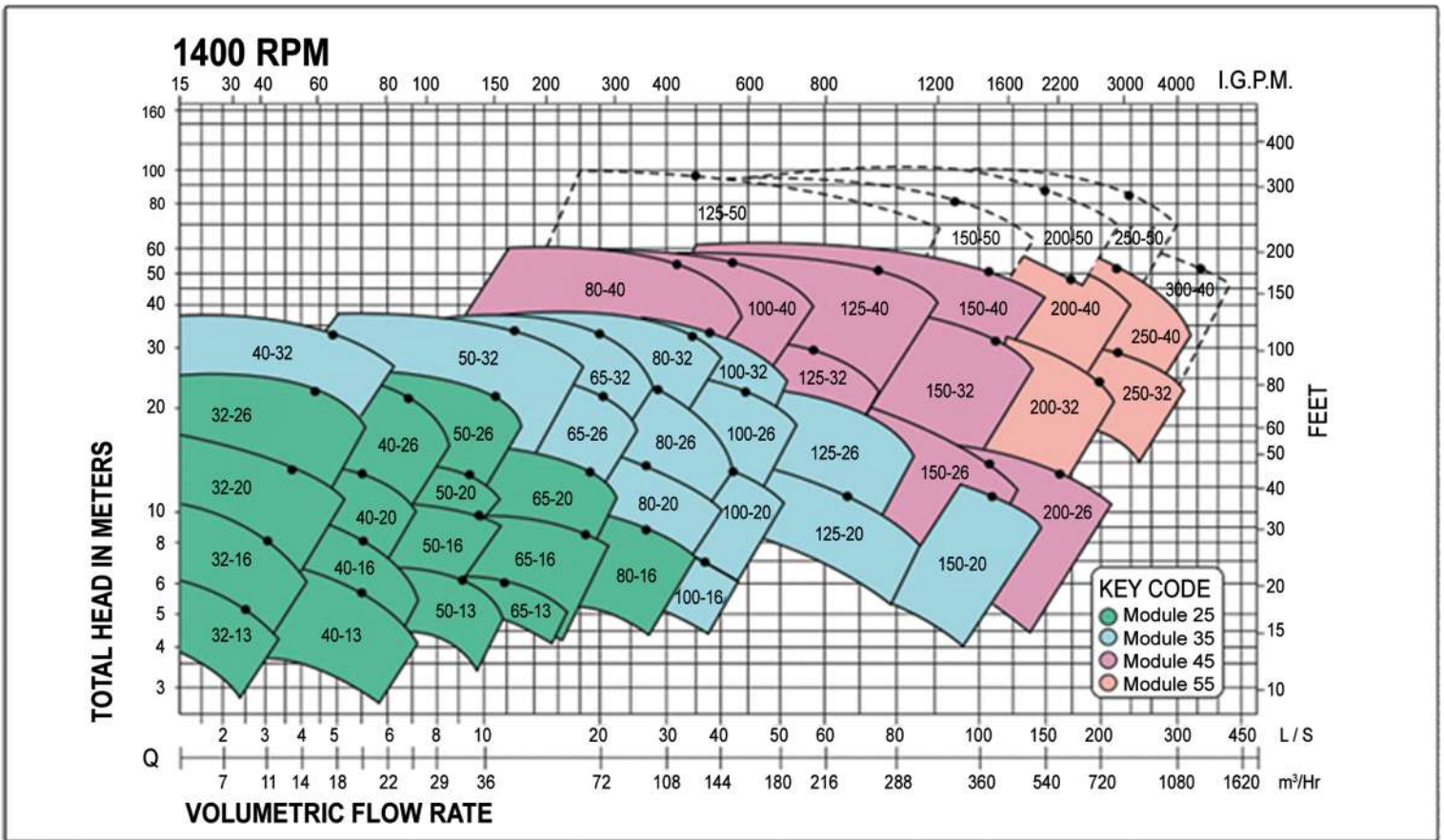
*Pumps dimension may vary, please refer to manufacturer.

Flange Dimensions and drilling according to ISO 2084 16BAR (BS4504-1969 TABLE 16/11).
Holes-Equal spaced stradding pump centreline

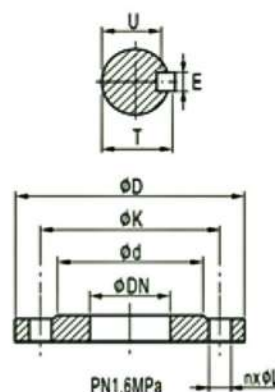
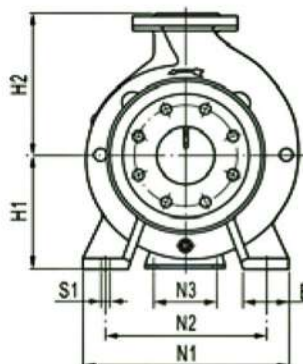
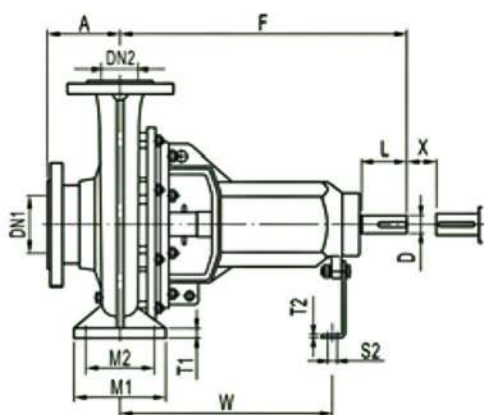
PN 16

D1 / D2	32	40	50	65	80	100	125	150	200	250	300
Ø D	140	150	165	185	200	220	250	285	340	405	460
Ø K	100	110	125	145	160	180	210	240	295	350	410
d ₂ x number	Ø 18 x 4	Ø 18 x 4	Ø 18 x 4	Ø 18 x 4	Ø 18 x 8	Ø 18 x 8	Ø 18 x 8	Ø 22 x 8	Ø 22 x 12	Ø 26 x 12	Ø 26 x 12

Performance Chart SLO & SLOSS Series (50 Hz)



Dimensions Table SL Series



Pump Model	Shaft No.	Flange Size	Pump Dimensions				Foot Dimensions										Bolt Holes		Shaft End					Spacer	Net Weight
		DN1	DN2	A	F	H1	H2	B	M1	M2	N1	N2	N3	W	T1	T2	S1	S2	D	L	T	E	U	X ≥	
50X32-160	1	50	32	80	385	132	160	50	100	70	240	190	110	285	12	6	M12	M12	24	50	27	8	20	100	38
50X32-200	1	50	32	80	385	160	180	50	100	70	240	190	110	285	12	6	M12	M12	24	50	27	8	20	100	46
65X40-200	1	65	40	100	385	160	180	50	100	70	265	212	110	285	13	6	M12	M12	24	50	27	8	20	100	48
65X40-250	2	65	40	100	500	180	225	65	125	95	320	250	110	370	14	6	M12	M12	32	80	35	10	27	100	70
65X40-315	2	65	40	125	500	200	250	65	125	95	345	280	110	370	16	6	M12	M12	32	80	35	10	27	100	80
65X50-160	1	65	50	80	385	132	160	50	100	70	240	190	110	285	11	6	M12	M12	24	50	27	8	20	100	40
80X50-200	1	80	50	100	385	160	200	50	100	70	265	212	110	285	13	6	M12	M12	24	50	27	8	20	100	52
80X50-250	2	80	50	125	500	180	225	65	125	95	320	250	110	370	15	6	M12	M12	32	80	35	10	27	100	72
80X50-315	2	80	50	125	500	225	280	65	125	95	345	280	110	370	18	6	M12	M12	32	80	35	10	27	100	87
80X65-160	1	80	65	100	385	160	180	50	100	70	265	212	110	285	11	6	M12	M12	24	50	27	8	20	100	46
100X65-200	2	100	65	100	500	180	225	65	125	95	320	250	110	370	14	6	M12	M12	32	80	35	10	27	140	70
100X65-250	2	100	65	125	500	200	250	80	160	120	360	280	110	370	16	6	M16	M12	32	80	35	10	27	140	80
100X65-315	3	100	65	125	530	225	280	80	160	120	400	315	110	370	18	6	M16	M12	42	110	45	12	37	140	118
100X80-160	2	100	80	100	500	160	200	65	125	95	280	212	110	370	14	6	M12	M12	32	80	35	10	27	100	68
125X80-400	3	125	80	125	530	280	355	80	160	120	435	355	110	370	20	6	M16	M12	42	110	45	12	37	140	165
125X100-200	2	125	100	125	500	200	280	80	160	120	360	280	110	370	17	6	M16	M12	32	80	35	10	27	140	85
125X100-250	3	125	100	140	530	225	280	80	160	120	400	315	110	370	18	6	M16	M12	42	110	45	12	37	140	126
125X100-315	3	125	100	140	530	250	315	80	160	120	400	315	110	370	19	6	M16	M12	42	110	45	12	37	140	135
125X100-400	3	125	100	140	530	280	355	100	200	150	500	400	110	370	20	6	M20	M12	42	110	45	12	37	140	175
125X100-500	4	125	100	160	670	355	450	100	200	150	550	450	110	500	25	10	M20	M16	48	110	51.5	14	42.5	180	313
150X125-250	3	150	125	140	530	250	355	80	160	120	400	315	110	370	19	6	M16	M12	42	110	45	12	37	140	140
150X125-315	3	150	125	140	530	280	355	100	200	150	500	400	110	370	20	6	M20	M12	42	110	45	12	37	140	150
150X125-400	3	150	125	140	530	315	400	100	200	150	500	400	110	370	21	6	M20	M12	42	110	45	12	37	140	186
150X125-500	4	150	125	160	670	355	450	100	200	150	550	450	140	500	25	10	M20	M16	48	110	51.5	14	42.5	180	336
200X150-315	4	200	150	160	670	315	400	100	200	150	550	450	140	500	25	10	M20	M16	48	110	51.5	14	42.5	180	222
200X150-400	4	200	150	160	670	315	450	100	200	150	550	450	140	500	25	10	M20	M16	48	110	51.5	14	42.5	180	300
200X150-500	4	200	150	160	670	400	500	100	200	150	550	450	140	500	25	10	M20	M16	48	110	51.5	14	42.5	180	382
250X200-200	4	250	200	180	670	315	450	100	200	150	550	450	140	500	22	10	M20	M16	48	110	51.5	14	42.5	180	345
250X200-250	5	250	200	180	885	315	450	100	200	150	550	450	180	670	25	12	M24	M16	65	140	69	18	58	250	490
250X200-315	4	250	200	180	670	315	450	100	200	150	550	450	140	500	25	10	M20	M16	48	110	51.5	14	42.5	180	277
250X200-400	4	250	200	180	670	355	500	100	200	150	550	450	140	500	25	10	M20	M16	48	110	51.5	14	42.5	180	340
250X200-500	5	250	200	225	885	400	580	150	315	250	760	630	180	670	28	12	M24	M16	65	140	69	18	58	250	495
300X250-250	5	300	250	225	885	355	560	125	250	190	630	500	180	670	24	12	M24	M16	65	140	69	18	58	250	360
300X250-315	4	300	250	225	670	355	500	125	250	190	690	560	180	500	24	12	M20	M16	48	110	51.5	14	42.5	180	350
300X250-400	5	300	250	225	885	450	560	150	250	190	690	560	180	670	28	12	M24	M16	65	140	69	18	58	250	480
300X250-500	5	300	250	225	885	450	630	150	315	250	760	630	180	670	28	12	M24	M16	65	140	69	18	58	250	530
350X300-400	6	350	300	250	975	450	600	180	315	250	760	630	180	730	24	12	M24	M16	75	170	79.5	20	67.5	250	900
350X300-500	6	350	300	250	975	500	650	225	360	270	900	750	180	730	32	12	M30	M16	75	170	79.5	20	67.5	250	1100

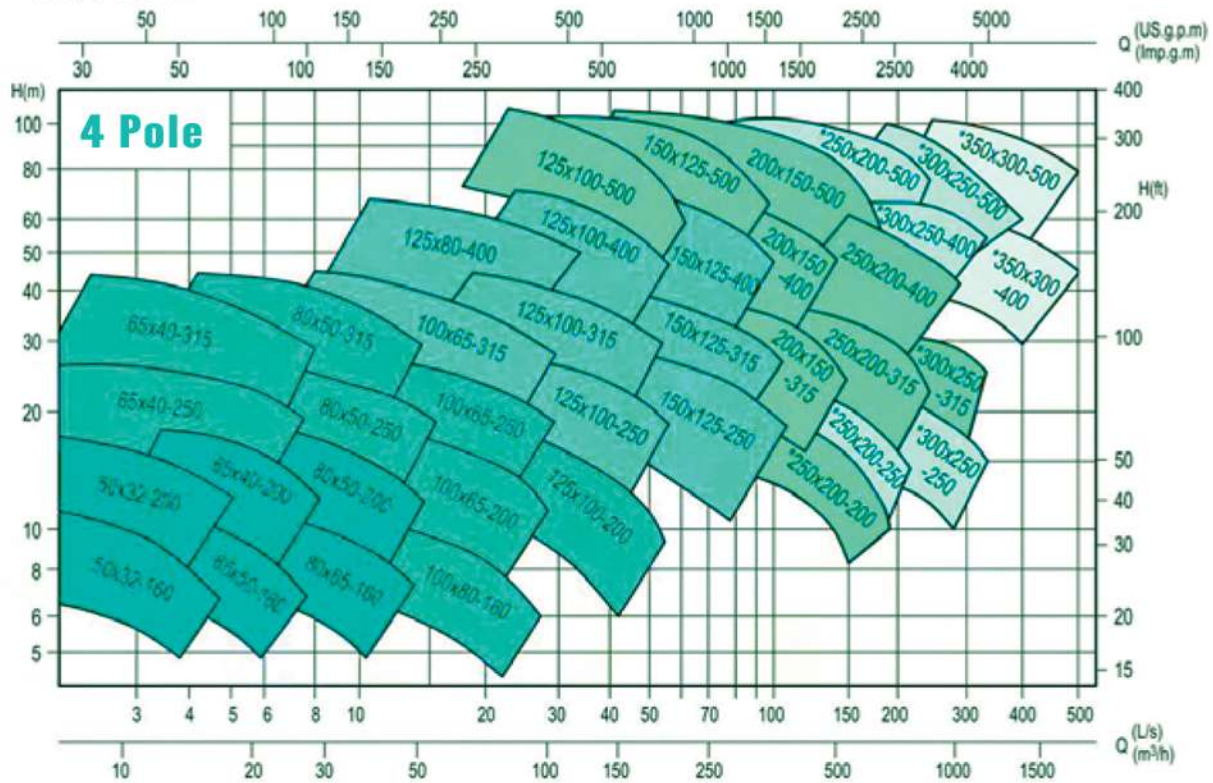
Standard flange: GB/T 17241.6-1998(ISO7005.2:1988), PN 1.6MPa

DN	32	40	50	65	80	100	125	150	200	250	300	350
Ød	76	84	99	118	132	156	184	211	266	319	370	429
ØK	100	110	125	145	160	180	210	240	295	355	410	470
ØD	140	150	165	185	200	220	250	285	340	405	460	520
nxØL	Ø18×4	Ø18×4	Ø18×4	Ø18×4	Ø18×8	Ø18×8	Ø18×8	Ø22×8	Ø22×12	Ø26×12	Ø26×12	Ø26×16

Notes: 1. Optional Flange: AS2129-1982, ANSI 16.1-1975, JISB 2210-1984

Performance Chart SL Series (50 Hz)

1400 RPM



2900 RPM

