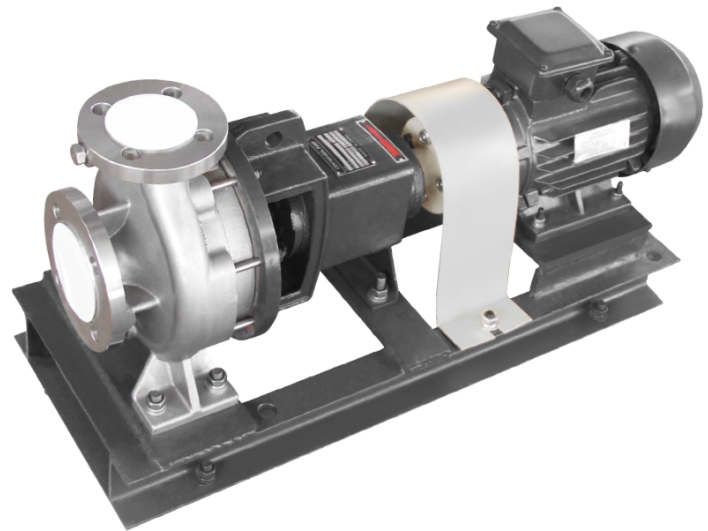


# SMA

## Versatility and reliability

### Automation products available:

- PumpExpert
- PumpDrive
- Hyamaster



### Applications

- |                         |                   |                         |                       |
|-------------------------|-------------------|-------------------------|-----------------------|
| • General water supply  | • Washing systems | • Irrigation            | • Fuels               |
| • Distillate            | • Warm water      | • Solvents              | • Condensate          |
| • Pressure boosting     | • Reverse osmosis | • Heating               | • Process             |
| • Industry              | • Hot water       | • Fire-fighting systems | • Snow-making systems |
| • Drinking water supply | • Lubricants      | • Boiler feed water     | • Power plants        |
| • Filter systems        | • Circulation     |                         |                       |

### Design

Single-stage volute casing pump in back pull-out design with ratings to iso 2858/5199, and complying with the requirements of Directive 2009/125/EC, radially split volute casing with integrally cast pump feet, replaceable casing wear rings (optional for casing material C), losed radial impeller with multiply curved vanes. Replaceable shaft sleeves/shaft protecting sleeves and casing wear rings. ATEX-compliant version available.

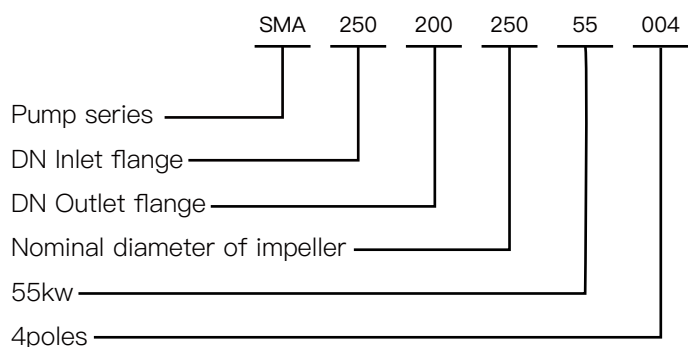
### Certification

ISO 9001

### Performance Coverage:

- Inlet Diameter: 50 ~ 350mm
- Pump speed: 1450/2900rpm
- Outlet Diameter: 32 ~ 300mm
- Head: 5 ~ 160m
- Capacity: 6 ~ 1800m<sup>3</sup>/h
- Working pressure: 16bar, Up to 24 Bar(20°C)
- Liquid Temperature: -15°C ~ +110°C, -40°C ~ +150°C optional

### Designation



### Drive

Electric motor 50 and 60 Hz; Diesel engine or turbine possible.

## Material

Code	CI	CS	A7		A8		D1	
Material Classes and Abbreviation	CI / CI	CS / CS	304AUS / 304AUS		316AUS / 316AUS		Duplex / Duplex	
The Material Code of Pump Casing /Impeller	GG25 /GG20	CS / CS	304	304L	316	316L	14,460	CD4MCu
Code	CC	CS	A7	A7L	A8	A8L	D1	D1S
Casing	GG25	Carbon steel	CF-8	CF-3	CF-8M	CF-3M	14,460	CD4MCu
Back Cover	GG25	Carbon steel	CF-8	CF-3	CF-8M	CF-3M	14,460	CD4MCu
Impeller	GG20	Carbon steel	CF-8	CF-3	CF-8M	CF-3M	14,460	CD4MCu
Wear Ring	Cast iron	CF-3M					Duplex	Duplex
Shaft	SS420		CF-8	CF-3	CF-8M	CF-3M	1.446	
Shaft Sleeve for mechanical seal	GG20	Carbon steel	CF-8	CF-3	CF-8M	CF-3M	Duplex	Duplex
Shaft Sleeve for gland packing	GG20	Carbon steel	CF-8	CF-3	CF-8M	CF-3M		
Lantern Ring Packing Gland Cover	GG20	Carbon steel	CF-8	CF-3	CF-8M	CF-3M	Duplex	Duplex
Mech. Seal Cover	GG20	Carbon steel	CF-8	CF-3	CF-8M	CF-3M	Duplex	Duplex
Impeller Nut	CF-3M						Duplex	Duplex

### Basic information

Pump Model	Shaft No.	Flange Size		Maximum		Bearing Type		Impeller Diameter		mechincal seal					
				Normal Speed				mm							
		Direct Coupled		Rpm / Imp Dia	Imp End	Drive End	Max	Min							
		DN1	DN2												
50x32-160	1	50	32	3600	6307	6306	182	146	BIA-32						
50x32-200							228	182							
65x40-200		65	40				278	222		BIA-43					
65x40-250	342				274										
65x40-315	2	65	40		6307	6306	182	146	BIA-32						
65x50-160							228	182							
80x50-200	1	80	50		6309	6308	278	222	BIA-43						
80x50-250							342	274							
80x50-315							2	80		50	6307	6306	182	146	BIA-32
80x65-160	228	182													
100x80-160	2	100	65		6309	6308	278	222	BIA-43						
100x65-200							342	274							
100x65-250				3			100	65		3000	6311	6310	342	274	BIA-53
100x65-315	228	182													
125x100-200	2	125	100	3600	6309	6308	228	182	BIA-43						
125x100-250							3	125		100	3000	6311	6310	278	222
125x100-315														342	274
125x80-400	3	125	80	2350	6311	6310	438	350	BIA-53						
125x100-400							4	125		100	1800	6313	6313	547	437
125x100-500	4	150	125	2350	6311	6310			547					437	BIA-60
150x125-250							278	222							
150x125-315							342	274							
150x125-400	3	150	125	2350	6311	6310	438	350	BIA-53						
150x125-500							4	200		150	1800	6313	6313	547	437
200x150-315														342	274
200x150-400	4	200	150	1800	6313	6313	438	350	BIA-60						
200x150-500							547	437							
250x200-200	5	250	200	2350	6316	6316	270	216	BIA-70						
250x200-250							278	222							
250x200-315							4	250		200	1800	6313	6313	342	274
250x200-400	438	350	BIA-60												
250x200-500	5	250		200	1800	6316	6316	547	437	BIA-70					
300x250-250			278					222							
300x250-315	4	300	250	2350	6316	6316	342	274	BIA-60						
300x250-400							438	350							
300x250-500	5	300	250	1800	6316	6316	438	350	BIA-70						
300x250-500							547	437							

**Impeller/Casing**

Optimized hydraulic design with impeller diameter up to 500mm, SMA pumps have wider performance coverage than ISO 2858.

**Shaft Seal Chamber**

The cooling/heating chamber in the pump casing extends the temperature of the liquid being pumped and improves the working condition and lifespan of the mechanical seal as well as reduces the bearing’s per–failure caused by heat transfer.

**Heavy duty bearings(optional)**

Cylindrical roller bearing at the impeller end (non–drive end), two angular contact ball bearings (back to back arrangement) at the drive–end. Designing bearing life up to 25000 hours.

Shaft No.	Standard		Heavy duty	
	NDE	DE	NDE	DE
1	6307	6306	7306*2	NU306E*1
2	6309	6308	7308*2	NU308E*1
3	6311	6310	7310*2	NU310E*1
4	6313	6313	7313*2	NU313E*1
5	6316	6316	7316*2	NU316E*1

Heavy duty bearings(optional)

**Shaft seal**

Single, Double Mechanical Seal, Cartridge Mechanical Seal and Gland Packing are available.

**Split Packing Gland Cover**

Coattail–groove split packig gland cover ensures the reliability of combining–orientation and easy to replace the packing.

**Axial Force Balance**

The axial force are mostly balanced by the front/rear wearing rings and balancing holes in impeller design. The residual axial force are balanced by the back–to–back arranged angular contact ball bearings at the drive–end.

**Drive**

Both diaphragm coupling(optional) and elastic pin coupling are available, and coupling spacer is standard. All these features make the rotor assembly, disassembly and maintenance easier.

**Flange**

Flange dimensions comply to ISO 7005–1:1992PN 1.6 MPa as standard, Other flanges (including ANSI flange) are also available by request.

**Interchangeability**

SMA series pumps are interchangeable with any other similar pumps, which conforming to the ISO 2858 Standard.

**Rotation**

Clockwise, viewed from drive–end.

**Shaft seal**

Mechanical seal options:

Shaft No.	standard	optional		
		Single mech. Seal		Dual mech. Seal
		Unbalanced	Balanced	Unbalanced
1	BIA–32	M7N–35	H7N–35	M74–D–35
2	BIA–43	M7N–45	H7N–45	M74–D–45
3	BIA–53	M7N–55	H7N–55	M74–D–55
4	BIA–60	M7N–65	H7N–65	M74–D–65
5	BIA–70	M7N–75	H7N–75	M74–D–75

Shaft seal

# PERFORMANCE TABLE

## SMA (ISO 2858) Pump — 50Hz

Type	Impeller Dia	Speed n	Capacity Q		Head H	Power			Eff	NPSHR	Dia of Table Pipe	
						Shaft Power	Motor Power				Inlet	Outlet
							kw	Motor type				
mm	r/min	m <sup>3</sup> /h	L/s	m	kw	Motor type	kw	%	m	mm	mm	
50×32-160	182	2900	23	6.39	40	4.04	Y132s1-2	5.5	62	2.4	50	32
		1450	11.5	3.19	10	0.55	Y802-4	0.75	57	2.2		
	173	2900	22	6.11	36	3.53	Y132s1-2	5.5	61	2.4		
		1450	11	3.05	9	0.49	Y802-4	0.75	55	2.2		
	164	2900	21	5.83	32.5	3.1	Y112M-2	4	61	2.4		
		1450	10.5	2.92	8	0.42	Y801-4	0.55	54	2.3		
	155	2900	20	5.55	28.5	2.63	Y112M-2	4	59	2.5		
		1450	10	2.77	7	0.36	Y801-4	0.55	53	2.3		
146	2900	19	5.28	25.5	2.25	Y100L-2	3	58.5	2.5			
	1450	9.5	2.64	6.2	0.31	Y801-4	0.55	52	2.4			
50×32-200	228	2900	23	6.39	65	7.4	Y160M1-2	11	55	2	50	32
		1450	11.5	3.19	16	0.97	Y90L-4	1.5	52	3.5		
	217	2900	22	6.11	57.5	6.5	Y160M1-2	11	53	2		
		1450	11	3.05	14	0.82	Y90S-4	1.1	51	3.5		
	205	2900	21	5.83	50	5.55	Y132S2-2	7.5	51.5	2.3		
		1450	10.5	2.92	12.5	0.7	Y90S-4	1.1	51	3.5		
	194	2900	20	5.55	44	4.7	Y132S1-2	5.5	51	2.5		
		1450	10	2.77	10.7	0.57	Y802-4	0.75	51	3.8		
182	2900	19	5.28	37.5	3.8	Y132S1-2	5.5	51	3.1			
	1450	9.5	2.64	9	0.48	Y802-4	0.55	49.5	4			
65×40-200	228	2900	36	10	66	9.8	Y160M2-2	15	66	2	65	40
		1450	18	5	16	1.25	Y100L1-4	2.2	62	1.5		
	217	2900	34	9.44	60	8.42	Y160M1-2	11	66	2		
		1450	17	4.72	14.6	1.17	Y90L-4	1.5	58	1.5		
	205	2900	32	8.9	53	7.11	Y160M1-2	11	65	2		
		1450	16	4.44	13	0.99	Y90L-4	1.5	57	1.5		
	194	2900	30	8.33	47	6.19	Y132S2-2	7.5	62	2		
		1450	15	4.16	11.6	0.85	Y90S-4	1.1	56	1.4		
182	2900	28	7.78	42	5.25	Y132S2-2	7.5	61	2			
	1450	14	3.89	10	0.69	Y90S-4	1.1	55	1.2			
65×40-250	278	2900	36	10	100	17.83	Y200L1-2	30	55	2.2	65	40
		1450	18	5	25	2.36	Y112M-4	4	52	1.2		
	264	2900	34	9.44	92	15.49	Y180M-2	22	55	2.1		
		1450	17	4.72	23	2.09	Y100L2-4	3	51	1.4		
	250	2900	32	8.9	82	13.48	Y160L-2	18.5	53	2		
		1450	16	4.44	20.5	1.82	Y100L1-4	2.2	49	2		
	236	2900	30	8.33	73	11.47	Y160M2-2	15	52	1.8		
		1450	15	4.16	18	1.53	Y100L1-4	2.2	48	3		
222	2900	28	7.78	63	9.42	Y160M1-2	11	51	1.6			
	1450	14	3.89	15.8	1.37	Y90L-4	1.5	44	3.8			

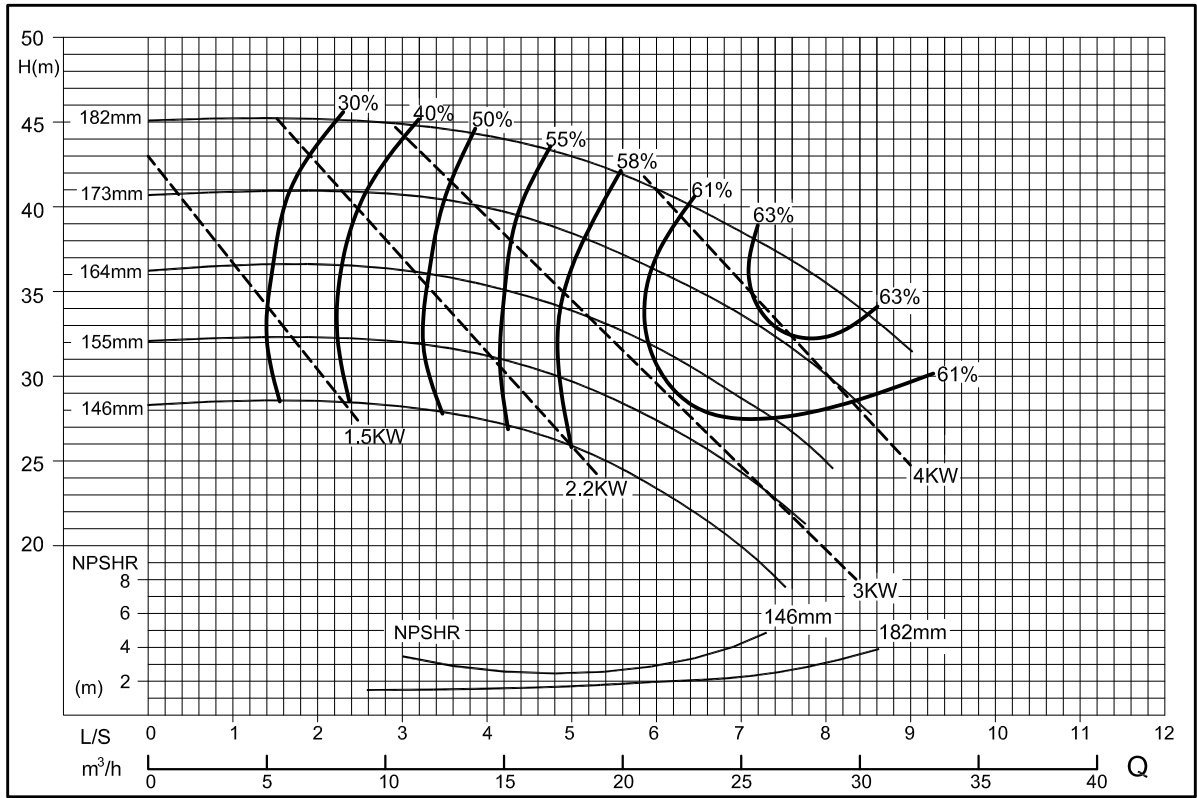
Type	Impeller Dia	Speed	Capacity		Head	Power			Eff	NPSHR	Dia of Table Pipe	
		n	Q		H	Shaft Power	Motor Power				Inlet	Outlet
		r/min	m <sup>3</sup> /h	L/s	m		kw	Motor type				
65x40-315	342	2900	36	10	152	31.7	Y225M-2	45	47	2.4	65	40
		1450	18	5	37	4.03	Y132S-4	5.5	45	1.2		
	325	2900	34	9.44	136	27.98	Y200L2-2	37	45	2.2		
		1450	17	4.72	33.5	3.52	Y132S-4	5.5	44	1.2		
	308	2900	32	8.9	120	23.24	Y200L2-2	37	45	2		
		1450	16	4.44	30.5	3.09	Y112M-4	4	43	1.2		
	291	2900	30	8.33	106	19.68	Y200L1-2	30	44	1.9		
		1450	15	4.16	27	2.63	Y112M-4	4	42	1		
274	2900	28	7.78	94	16.67	Y180M-2	22	43	2			
	1450	14	3.89	23	2.14	Y100L2-4	3	41	1			
65x50-125	150	2900	36	10	25	3.66	Y132S1-2	5.5	67	3	65	50
		1450	18	5	6.2	0.49	Y802-4	0.75	62	2		
65x50-160	182	2900	36	10	40	5.44	Y132S2-2	7.5	72	2	65	50
		1450	18	5	10	0.82	Y90S-4	1.1	60	1.5		
	173	2900	34	9.44	36.5	4.76	Y132S2-2	7.5	71	2		
		1450	17	4.72	8.8	0.69	Y90S-4	1.1	59	1.5		
	164	2900	32	8.9	33	4.29	Y132S1-2	5.5	67	2		
		1450	16	4.44	8	0.6	Y802-4	0.75	58.5	1.5		
	155	2900	30	8.33	29	3.62	Y132S1-2	5.5	65.5	1.5		
		1450	15	4.16	7.2	0.52	Y802-4	0.75	56.5	1.5		
146	2900	28	7.78	25	3	Y112M-2	4	63.5	1.5			
	1450	14	3.89	6.4	0.45	Y801-4	0.55	54	1.5			
80x50-200	228	2900	70	19.4	68	17.28	Y180M-2	22	75	2	80	50
		1450	36	10	16.5	2.25	Y100L2-4	3	72	1		
	217	2900	67	18.6	62	15.08	Y160L-2	18.5	75	1.8		
		1450	34	9.44	15	1.96	Y100L2-4	3	71	1		
	205	2900	63	17.5	55	12.93	Y160L-2	18.5	73	1.6		
		1450	32	8.89	13	1.67	Y100L1-4	2.2	68	1.2		
	194	2900	60	16.7	48	10.89	Y160M2-2	15	72	1.5		
		1450	30	8.33	11.8	1.44	Y100L1-4	2.2	67	1.4		
182	2900	56	15.6	41	8.81	Y160M1-2	11	71	1.5			
	1450	28	7.78	10	1.16	Y90L-4	1.5	66	1.6			
80x50-250	278	2900	70	19.4	102	29.02	Y225M-2	45	67	2.2	80	50
		1450	36	10	25	3.71	Y132S-4	5.5	66	1.5		
	264	2900	67	18.6	92	25.05	Y200L2-2	37	67	2.1		
		1450	34	9.44	22.5	3.31	Y132S-4	5.5	63	1.5		
	250	2900	63	17.5	83	21.25	Y200L1-2	30	67	2		
		1450	32	8.89	20.5	2.88	Y112M-4	4	62	1.6		
	236	2900	60	16.7	75	18.85	Y200L2-2	30	65.5	1.8		
		1450	30	8.33	18.5	2.48	Y112M-4	4	61	1.7		
222	2900	56	15.6	65	15.02	Y180M-2	22	66	1.9			
	1450	28	7.78	16	2.07	Y100L2-4	3	59	1.8			

Type	Impeller Dia	Speed n	Capacity Q		Head H	Power			Eff	NPSHR	Dia of Table Pipe	
						Shaft Power	Motor Power				Inlet	Outlet
							kw	Motor type				
mm	r/min	m <sup>3</sup> /h	L/s	m	kw		kw	%	m	mm	mm	
80×50-315	342	2900	70	19.4	150	47.66	Y280S-2	75	60	2	80	50
		1450	36	10	37	6.36	Y132M-4	7.5	57	1		
	325	2900	67	18.6	135	41.75	Y250M-2	55	59	2		
		1450	34	9.44	33	5.41	Y132M-4	7.5	56.5	1		
	308	2900	63	17.5	121	35.19	Y225M-2	45	59	2		
		1450	32	8.89	29.5	4.59	Y132S-4	5.5	56	1		
	291	2900	60	16.7	107	29.63	Y200L2-2	37	59	2		
		1450	30	8.33	26	3.86	Y132S-4	5.5	55	1		
274	2900	56	15.6	94	24.3	Y200L1-2	30	59	2			
	1450	28	7.78	23	3.25	Y112M-4	4	54	1			
80×65-160	182	2900	70	19.4	40	9.53	Y160M2-2	15	80	2	80	65
		1450	36	10	9.8	1.25	Y90L-4	1.5	77	1.5		
	173	2900	67	18.6	36	8.21	Y160M1-2	11	80	2		
		1450	34	9.44	8.8	1.07	Y90L-4	1.5	76	1.5		
	164	2900	63	17.5	32	6.86	Y160M1-2	11	80	2		
		1450	32	8.89	7.6	0.88	Y90S-4	1.1	75	1.5		
	155	2900	60	16.7	28	5.87	Y132S2-2	7.5	78	2.5		
		1450	30	8.33	6.7	0.75	Y90S-4	1.1	73	1.5		
146	2900	56	15.6	24	4.75	Y132S1-2	5.5	77	3.9			
	1450	28	7.78	5.8	0.61	Y802-4	0.75	72	1.5			
100×65-200	228	2900	140	39	65	30.98	Y200L2-2	37	80	3	100	65
		1450	70	19.5	16	4.01	Y132S-4	5.5	76	1.2		
	217	2900	133	37	58.5	26.48	Y200L1-2	30	80	2.8		
		1450	67	18.6	14.4	3.6	Y112M-4	4	73	1.2		
	205	2900	126	35	52	22.3	Y200L1-2	30	80	2.7		
		1450	63	17.5	13	3.1	Y112M-4	4	72	1.3		
	194	2900	120	33.3	45.5	19.56	Y180M-2	22	76	2.8		
		1450	60	16.6	11.8	2.72	Y100L2-4	3	71	1.3		
182	2900	112	31	39	15.86	Y160L-2	18.5	75	2.8			
	1450	56	15.5	9.5	2.13	Y100L2-4	3	68	1.5			
100×65-250	278	2900	140	39	98	47.9	Y280S-2	75	78	3.2	100	65
		1450	70	19.5	24	6.1	Y132M-4	7.5	75	2.3		
	264	2900	133	37	87	40.92	Y250M-2	55	77	3		
		1450	67	18.6	21.5	5.3	Y132M-4	7.5	74	2.1		
	250	2900	126	35	77	34.76	Y225M-2	45	76	3		
		1450	63	17.5	19	4.46	Y132S-4	5.5	73	2.2		
	236	2900	120	33.3	69	30.07	Y200L2-2	37	75	2.8		
		1450	60	16.6	16.5	3.74	Y132S-4	5.5	72	2.3		
222	2900	112	31	59	25.49	Y200L1-2	30	73	2.7			
	1450	56	15.5	14.5	3.35	Y112M-4	4	66	2.5			

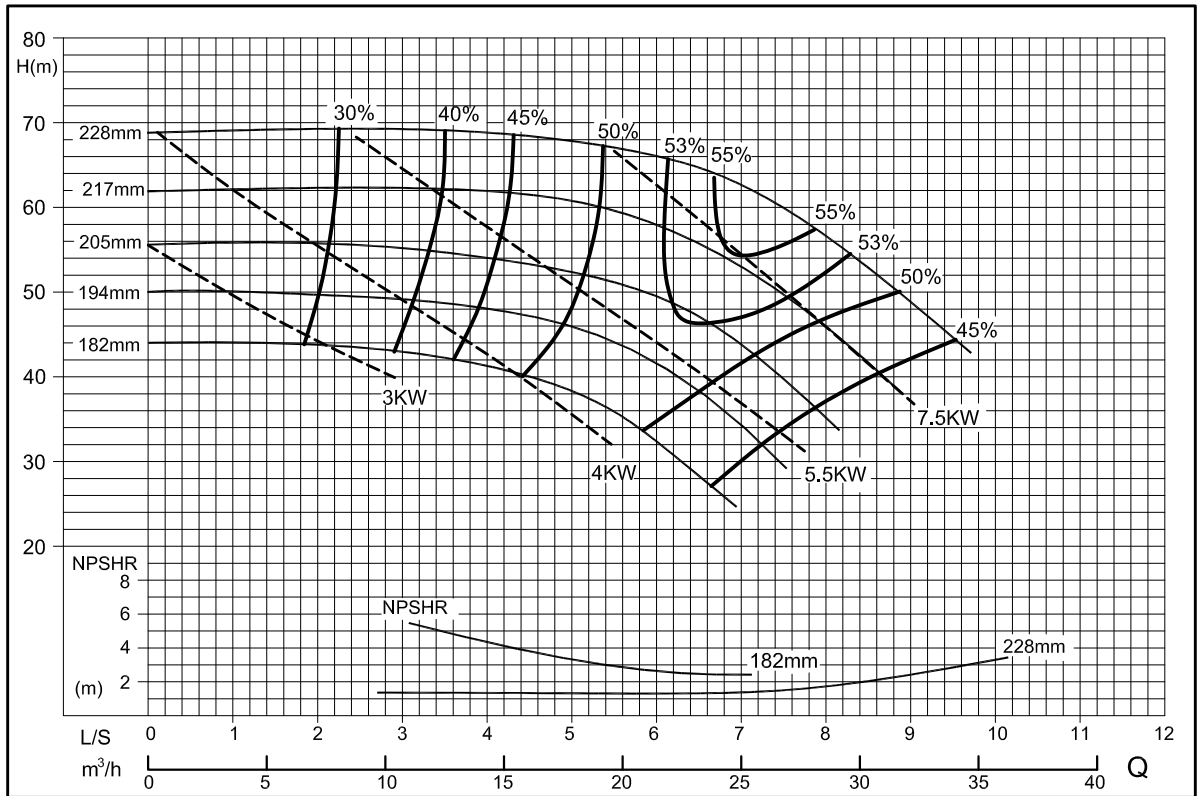
Type	Impeller Dia	Speed n	Capacity Q		Head H	Power			Eff %	NPSHR m	Dia of Table Pipe	
			m <sup>3</sup> /h	L/s		Shaft Power kw	Motor Power				Inlet mm	Outlet mm
	mm	r/min						m	kw	Motor type		
100×65-315	342	2900	140	39	146	83	Y315S-2	110	67	2.6	100	65
		1450	70	19.5	36	10.56	Y160L-4	15	65	1.3		
	325	2900	133	37	137	74	Y280M-2	90	67	2.6		
		1450	67	18.6	32	8.9	Y160L-4	15	65	1.3		
	308	2900	126	35	118	60.4	Y280S-2	75	67	2.5		
		1450	63	17.5	28.5	7.76	Y160M-4	11	63	1.3		
	291	2900	120	33.3	105	52	Y280S-2	75	66	2.5		
		1450	60	16.6	25.5	6.72	Y160M-4	11	62	1.4		
274	2900	112	31	92	45.3	Y250M-2	55	62	2.5			
	1450	56	15.5	22.5	5.82	Y132M-2	7.5	59	1.5			
100×80-160	182	2900	140	39	35	16.68	Y180M-2	22	80	2.8	100	80
		1450	70	19.5	8.5	2.13	Y100L2-4	3	76	2.8		
	173	2900	133	37	31	14.21	Y160L-2	18.5	79	2.9		
		1450	67	18.6	7.8	1.92	Y100L1-4	2.2	74	2.6		
	164	2900	126	35	28	12.32	Y160M2-2	15	78	3		
		1450	63	17.5	6.8	1.6	Y100L1-4	2.2	73	2.6		
	155	2900	120	33.3	24	10.46	Y160M1-2	11	75	3.1		
		1450	60	16.6	6	1.36	Y90L-4	1.5	72	2.5		
146	2900	112	31	21	8.9	Y160M1-2	11	72	3.4			
	1450	56	15.5	5.2	1.12	Y90L-4	1.5	71	2.5			
125×80-400	438	1450	90	25	60	23.72	Y225S-4	37	62	1.5	125	80
	416	1450	96	24	53.5	20.71	Y200L-4	30	60.5	1.4		
	394	1450	81	22.5	47	17.42	Y180L-4	22	59.5	1.3		
	372	1450	77	21.4	41.5	15	Y180M-4	18.5	58	1.2		
	350	1450	72	20	36.5	12.34	Y160L-4	15	58	1.2		
125×100-200	228	2900	280	78	58	51.4	Y280S-2	75	86	3.6	125	100
		1450	140	39	14.5	6.58	Y132M-4	7.5	84	2		
	217	2900	266	74	52	45.38	Y250M-2	55	83	3.6		
		1450	133	37	13	5.67	Y132M-4	7.5	83	2		
	205	2900	252	70	45	37.66	Y225M-2	45	82	3.8		
		1450	126	35	11.5	4.81	Y132S-4	5.5	82	2.1		
	194	2900	238	66	39	31.21	Y200L2-2	37	81	4		
		1450	119	33	10	4.05	Y132S-4	5.5	80	2.2		
182	2900	224	62	33	25.48	Y200L1-2	30	79	4.2			
	1450	112	31	8.3	3.16	Y112M-4	4	80	2.3			
125×100-250	278	2900	280	78	95	86.24	Y315S-2	110	84	3	125	100
		1450	140	39	24	11.3	Y160L-4	15	81	1.5		
	264	2900	266	74	85.5	74.62	Y280M-2	90	83	3		
		1450	133	37	21	9.39	Y160L-4	15	81	1.6		
	250	2900	252	70	76	63.6	Y280S-2	75	82	3.5		
		1450	126	35	18.5	7.84	Y160M-4	11	81	1.7		
	236	2900	238	66	66	53.47	Y250M-2	75	80	4		
		1450	119	33	16.5	6.86	Y132M-4	11	78	1.7		
222	2900	224	62	57	44.58	Y250M-2	55	78	4.3			
	1450	112	31	14	5.77	Y132M-4	7.5	74	1.9			

Type	Impeller Dia	Speed n	Capacity Q		Head H	Power			Eff	NPSHR	Dia of Table Pipe	
						Shaft Power	Motor Power				Inlet	Outlet
							kw	Motor type				
mm	r/min	m <sup>3</sup> /h	L/s	m	kw	Motor type	kw	%	m	mm	mm	
125×100-315	342	2900	280	78	152	141.35	Y315L1-2	160	82	4	125	100
		1450	140	39	38	18.57	Y200L-4	30	78	2.2		
	325	2900	266	74	136	121.63	Y315L1-2	160	81	3.8		
		1450	133	37	34	15.79	Y180L-4	22	78	2		
	308	2900	152	70	120	101.67	Y315M-2	132	81	3.6		
	308	1450	126	35	30	13.19	Y180M-4	18.5	78	1.9		
	291	2900	238	66	106	85.87	Y315S-2	110	80	3.4		
		1450	119	33	26	10.94	Y160L-4	15	77	2		
274	2900	224	62	92	71.04	Y280M-2	90	79	3			
	1450	112	31	22	8.83	Y160M-4	11	76	2.1			
125×100-400	438	1450	140	39	62	33.77	Y225M-4	45	70	1.8	125	100
	416	1450	133	37	56	29.83	Y225S-4	37	68	1.8		
	394	1450	126	35	48	24.4	Y200L-4	30	67.5	1.8		
	372	1450	119	33	43	20.96	Y200L-4	30	66.5	1.6		
	350	1450	112	31	37	17.1	Y180L-4	22	66	1.6		
125×100-500	547	1450	140	39	93	62.2	Y280M-4	90	57	1.6	125	100
	520	1450	133	37	85	54.5	Y280S-4	75	56.5	1.6		
	492	1450	126	35	77	47.18	Y280S-4	75	56	1.6		
	465	1450	119	33	70	41.25	Y250M-4	55	55	1.6		
	437	1450	112	31	64	36.8	Y225M-4	45	53	1.6		
150×125-250	278	1450	252	70	21	17.16	Y180L-4	22	84	2.2	150	125
	264	1450	240	66.7	19	14.96	Y180M-4	18.5	83	2.5		
	250	1450	227	63	16.5	12.44	Y160L-4	15	82	3		
	236	1450	214	59.4	14	10.2	Y160L-4	15	80	3.6		
	222	1450	202	56	11.8	8.43	Y160M-4	11	77	4.3		
150×125-315	342	1450	252	70	36	28.73	Y225S-4	37	86	2.2	150	125
	325	1450	240	66.7	32	24.6	Y225S-4	37	85	2.2		
	308	1450	227	63	28.5	21.23	Y200L-4	30	83	2.2		
	291	1450	214	59.4	25	17.99	Y180L-4	22	81	2.2		
	274	1450	202	56	21.5	14.6	Y180M-4	18.5	81	2.2		
150×125-400	438	1450	252	70	63	54.04	Y280S-4	75	80	2.2	150	125
	416	1450	240	66.7	57	46.86	Y280S-4	75	79.5	1.9		
	394	1450	227	63	51	39.9	Y250M-4	55	79	1.6		
	372	1450	214	59.4	46	34.15	Y250M-4	45	78.5	1.3		
	350	1450	202	56	41	28.73	Y225S-4	37	78.5	1.2		
150×125-500	547	1450	252	70	92	95.66	Y315M-4	132	66	2.5	150	125
	520	1450	240	66.7	83	82.19	Y315S-4	110	66	2.5		
	492	1450	227	63	74	69.31	Y280M-4	90	66	2.5		
	465	1450	214	59.4	66	58.28	Y280S-4	75	66	2.5		
	437	1450	202	56	58	48.34	Y280S-4	75	66	2.5		
200×150-315	342	1450	400	111	36	47.25	Y280S-4	75	83	2.5	200	150
	325	1450	380	106	31.5	40.24	Y250M-4	55	81	3		
	308	1450	360	100	27	32.68	Y225M-4	45	81	3.5		
	291	1450	340	94.5	23.5	27.9	Y225S-4	37	78	4		
	274	1450	320	90	20	22.78	Y200L-4	30	76.5	4.5		

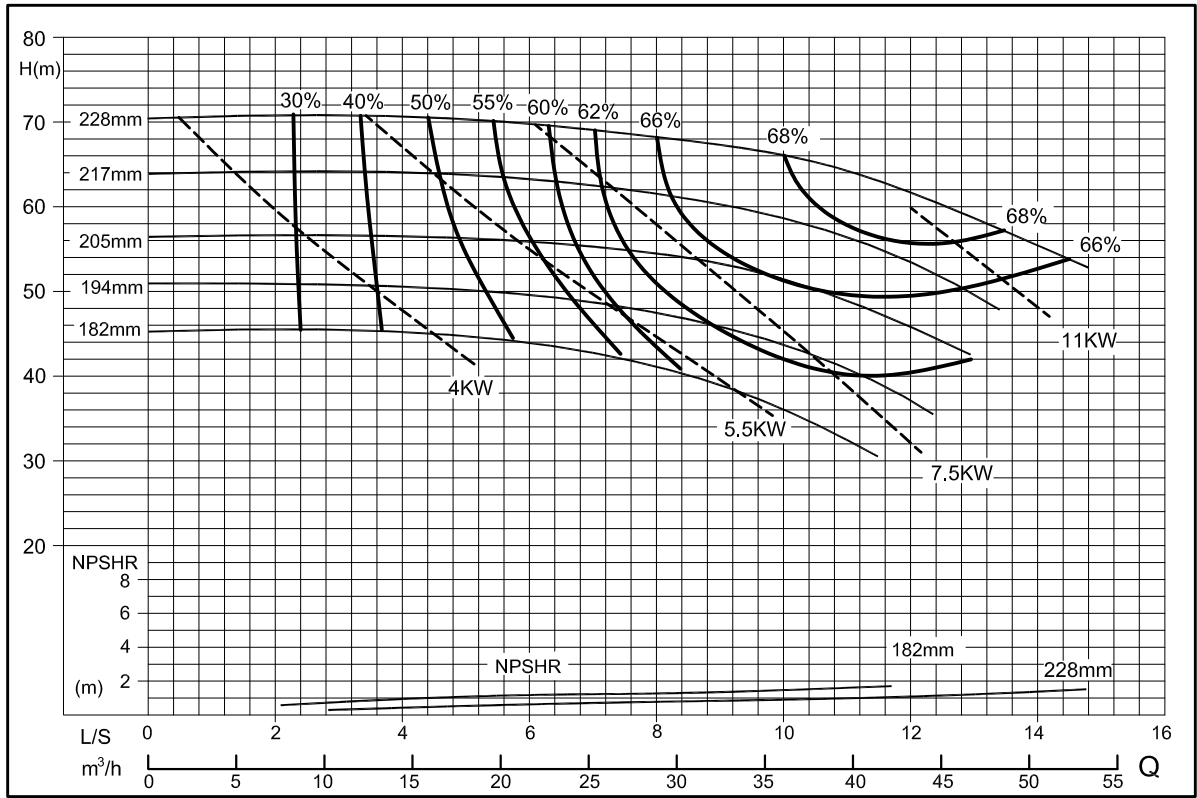
Type	Impeller Dia	Speed n	Capacity		Head H	Power			Eff	NPSHR	Dia of Table Pipe	
			Q			Shaft Power	Motor Power				Inlet	Outlet
			m <sup>3</sup> /h	L/s			kw	Motor type				
200×150-400	438	1450	400	111	58	77.05	Y315S-4	110	82	3	200	150
	416	1450	380	106	51	66.8	Y280M-4	90	79	2.8		
	394	1450	360	100	44	55.3	Y280S-4	75	78	2.8		
	372	1450	340	94.5	38.5	46.9	Y250M-4	55	76	2.8		
	350	1450	320	90	32	37.18	Y225M-4	45	75	2.8		
200×150-500	547	1450	400	111	90	129	Y315L1-4	160	76	3	200	150
	520	1450	380	106	80	108.9	Y315M-4	132	76	2.9		
	492	1450	360	100	70	92.7	Y315S-4	110	74	2.8		
	465	1450	340	94.5	62	79.7	Y280M-4	90	72	2.7		
437	1450	320	90	54	65.4	Y280S-4	75	72	2.6			
250! 200-200	270	1480	550	152.8	16	29.2	Y225S-4	37	82	4.2	250	200
250! 200-250	278	1480	630	175	20	41.3	Y250M-4	55	83	3	250	200
250×200-315	342	1450	630	175	31	63.3	Y280S-4	75	84	3.8	250	200
	325	1450	600	167	26.5	52.1	Y250M-4	55	83	3.8		
	308	1450	567	158	22.5	42.4	Y225M-4	45	82	4		
	291	1450	536	149	19	34.7	Y225S-4	37	80	4.1		
	274	1450	505	140	16	28.6	Y200L-4	30	77	4.2		
250×200-400	438	1450	630	175	58	117.1	Y315L1-4	160	85	3	250	200
	416	1450	600	167	51	100.4	Y315M-4	132	83	2.9		
	394	1450	567	158	44	82.8	Y315S-4	110	82	3		
	372	1450	536	149	39	70.3	Y280M-4	90	81	3.1		
	350	1450	505	140	35	60.9	Y280S-4	75	79	3.5		
250×200-500	547	1480	650	180.6	92	197.3	Y335M2-4	250	82.5	4	250	200
	520	1480	618	171.6	83.1	170.6	Y335M1-4	220	82	4		
	492	1480	585	162.4	74.4	148.1	Y315L2-4	200	80	4		
	465	1480	553	153.5	66.5	128.2	Y315L1-4	160	78	4		
	437	1480	519	144.2	58.7	106.4	Y315M-4	132	78	4		
300! 250-250	342	1480	1000	277.8	19	60.8	Y280S-4	75	85	3.5	300	250
300! 250-315	342	1480	1000	277.8	29	91.8	Y315S-4	110	86	4	300	250
	325	1480	950	264.0	26.2	79.7	Y315S-4	110	85	4		
	308	1480	900	250.2	23.5	68.6	Y280M-4	90	84	4		
	291	1480	850	236.4	21	58.6	Y280S-4	75	83	4		
300! 250-400	438	1480	1000	277.8	62	198.6	Y355M2-4	250	85	5	300	250
	416	1480	950	263.8	55.9	170.1	Y355M1-4	220	85	5		
	394	1480	900	249.9	50.2	148	Y315L2-4	200	83	5		
	372	1480	850	235.9	44.7	127.7	Y315L1-4	160	81	5		
	350	1480	800	222.0	39.6	106.3	Y315M-4	132	81	5		
300! 250-500	547	1480	1100	305.6	82	288.9	Y355L-4	355	85	4	300	250
	520	1480	1046	290.5	74.1	254.2	Y355L2-4	315	83	4		
	492	1480	989	274.8	66.3	217.9	Y355L1-4	280	82	4		
	462	1480	935	259.8	59.3	186.2	Y355M1-4	220	81	4		
	437	1480	879	244.1	52.3	156.5	Y315L2-4	200	80	4		



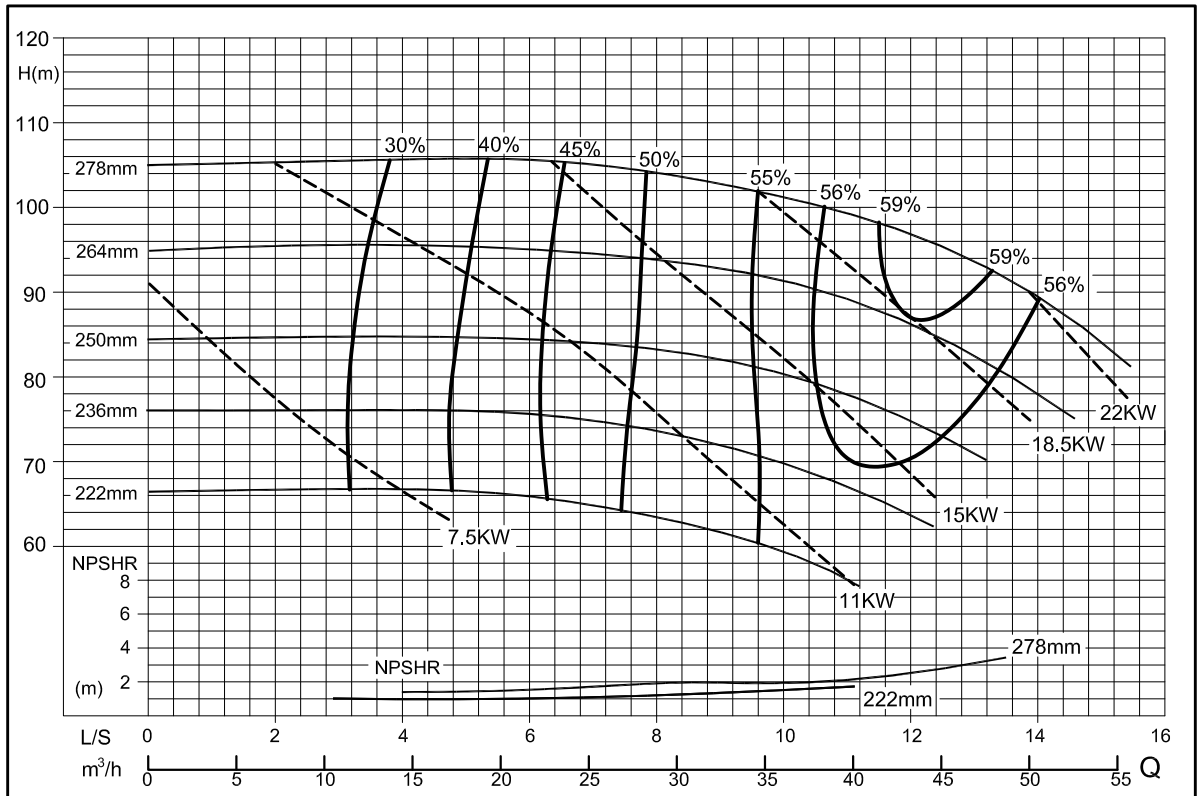
Chemical Process Pump (ISO 2858/5199) Pump Model 50x32-160 Speed 2900rpm Performance Curve 50Hz



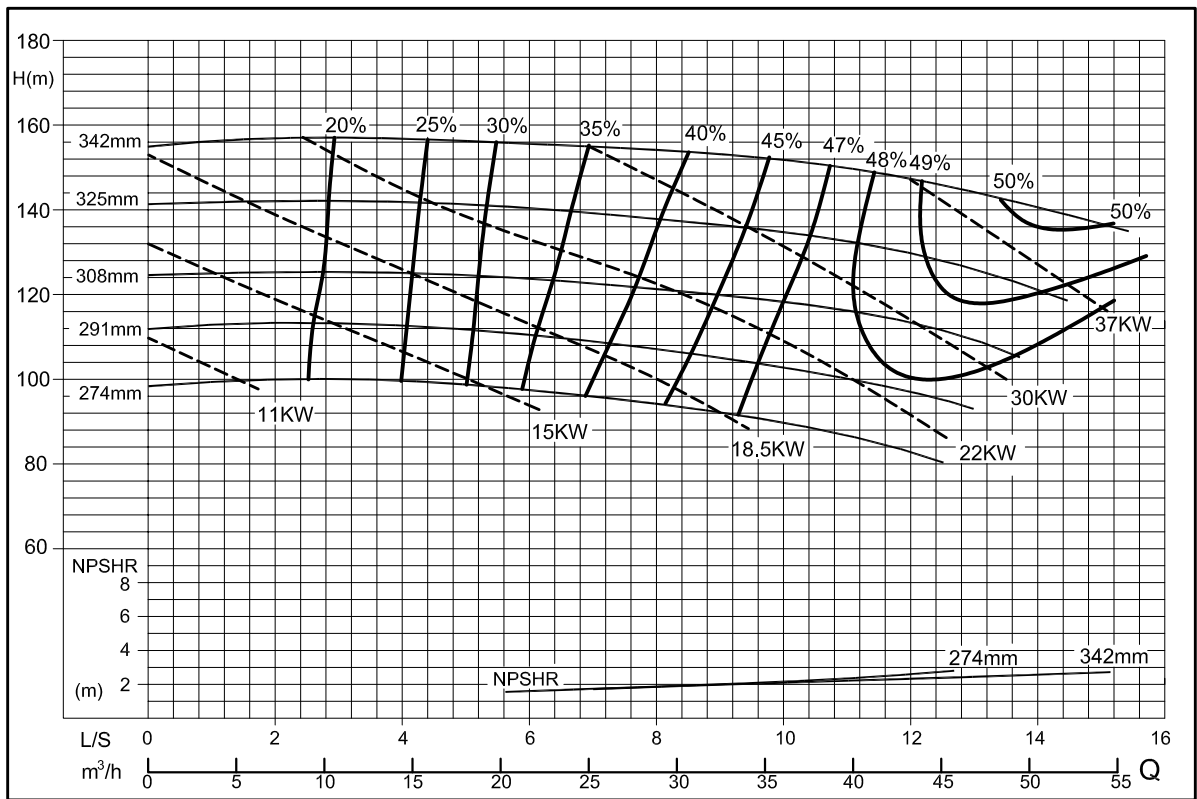
Chemical Process Pump (ISO 2858/5199) Pump Model 50x32-200 Speed 2900rpm Performance Curve 50Hz



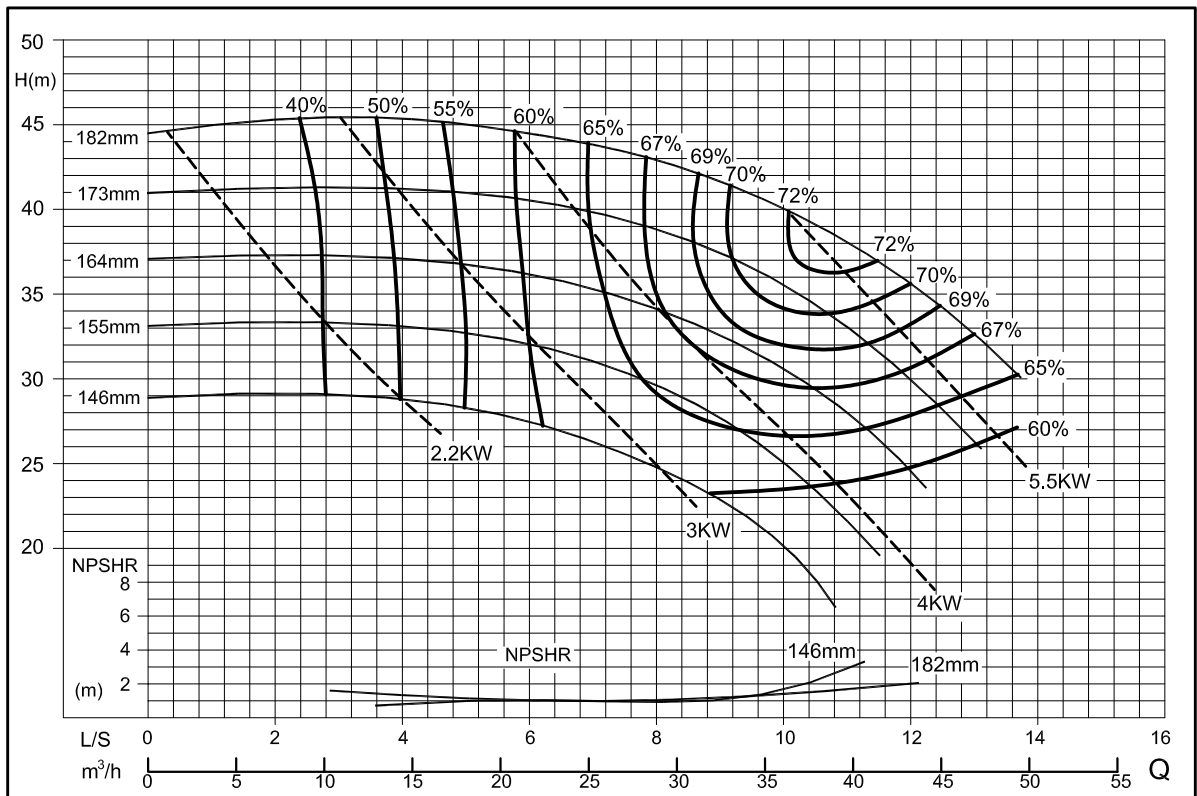
Chemical Process Pump (ISO 2858/5199) Pump Model 65x40-200 Speed 2900rpm Performance Curve 50Hz



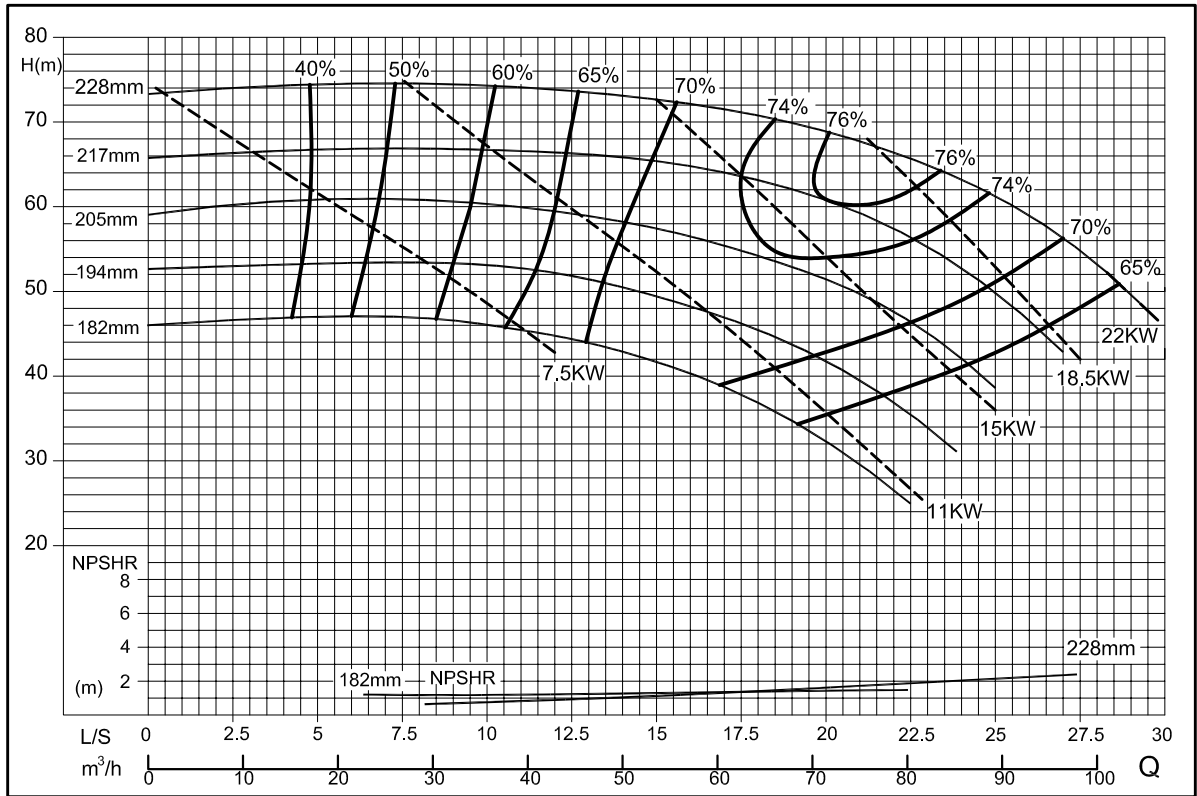
Chemical Process Pump (ISO 2858/5199) Pump Model 65x40-250 Speed 2900rpm Performance Curve 50Hz



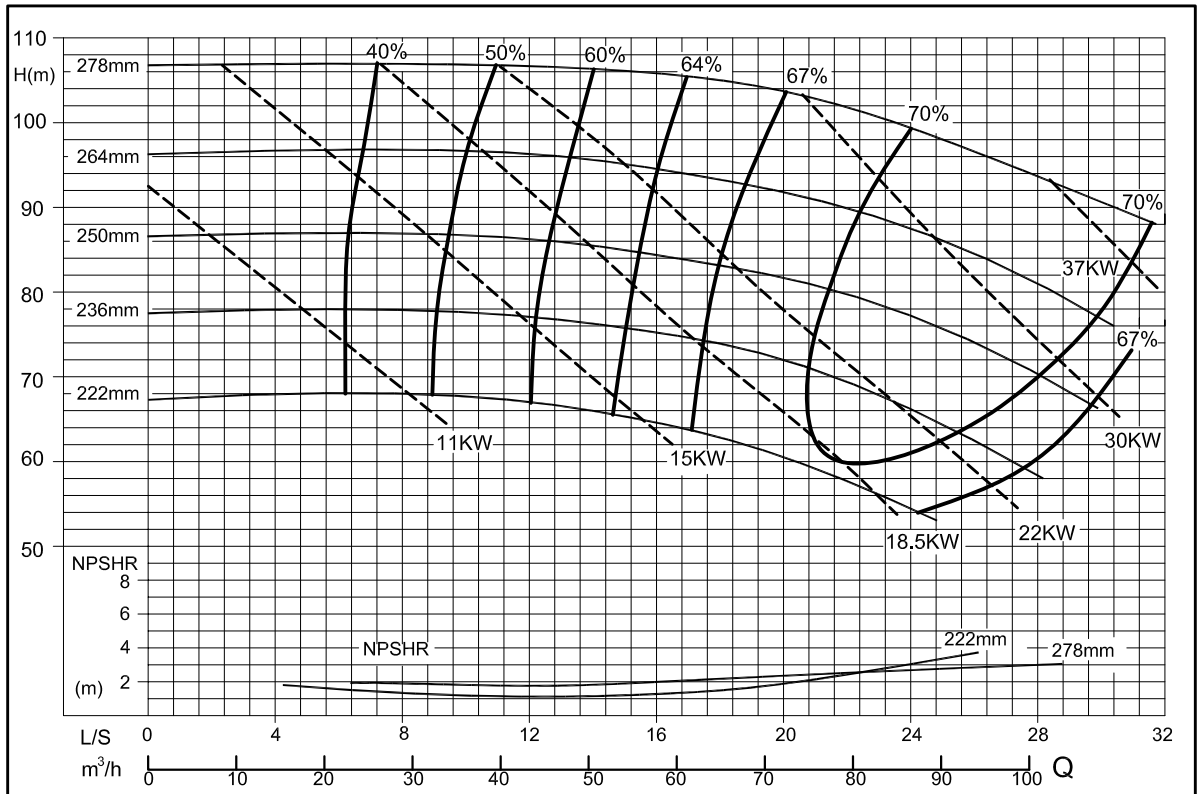
Chemical Process Pump (ISO 2858/5199) Pump Model 65x40-315 Speed 2900rpm Performance Curve 50Hz



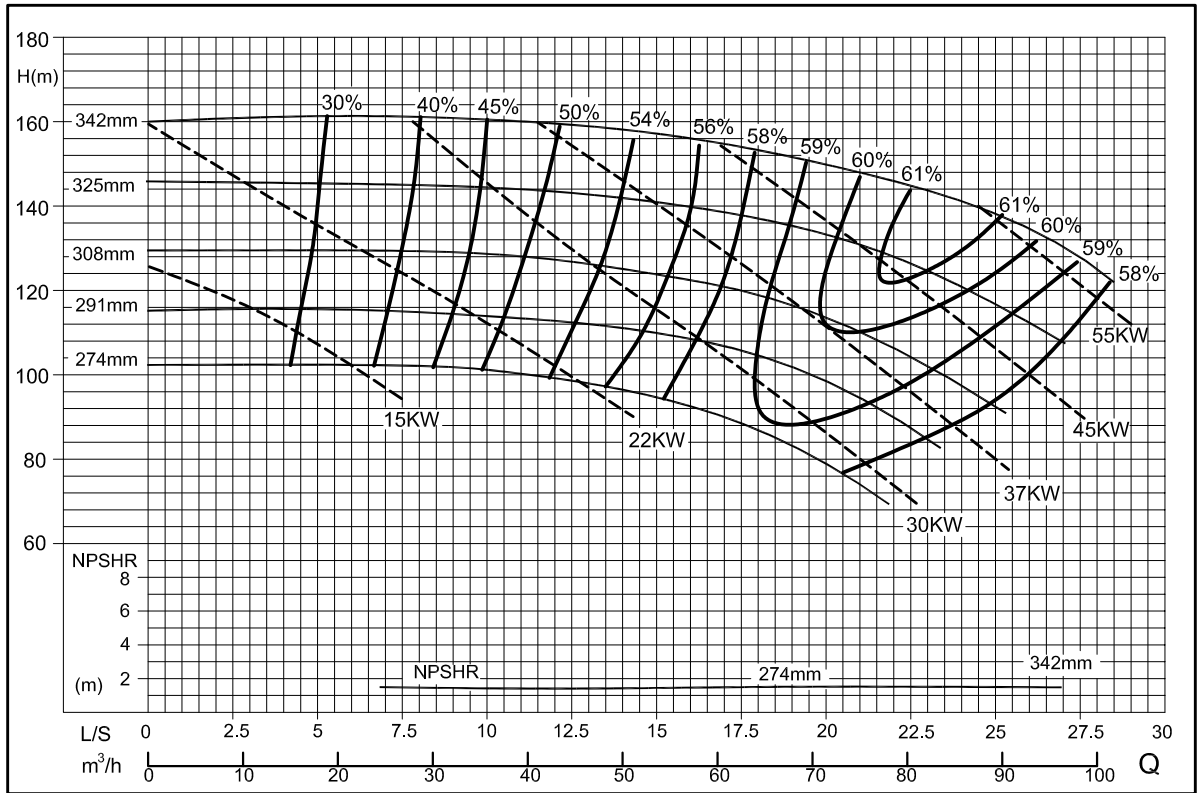
Chemical Process Pump (ISO 2858/5199) Pump Model 65x50-160 Speed 2900rpm Performance Curve 50Hz



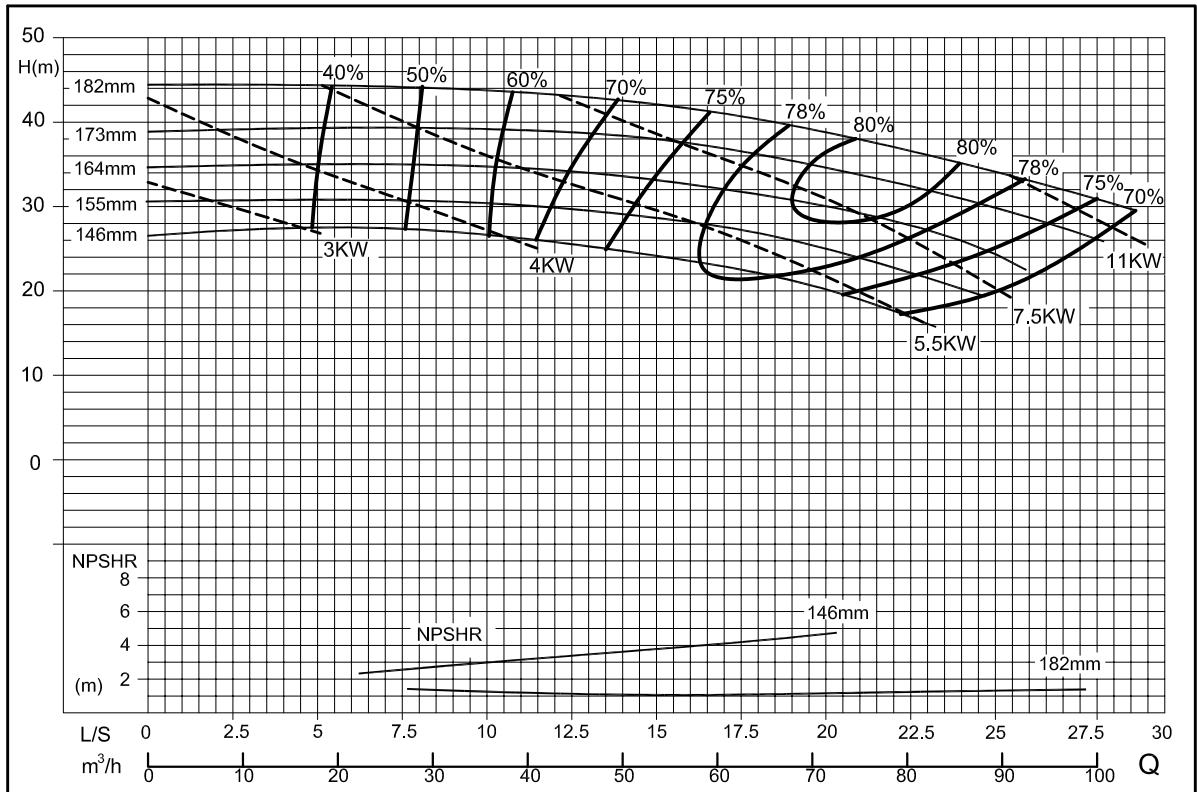
Chemical Process Pump (ISO 2858/5199) Pump Model 80x50-200 Speed 2900rpm Performance Curve 50Hz



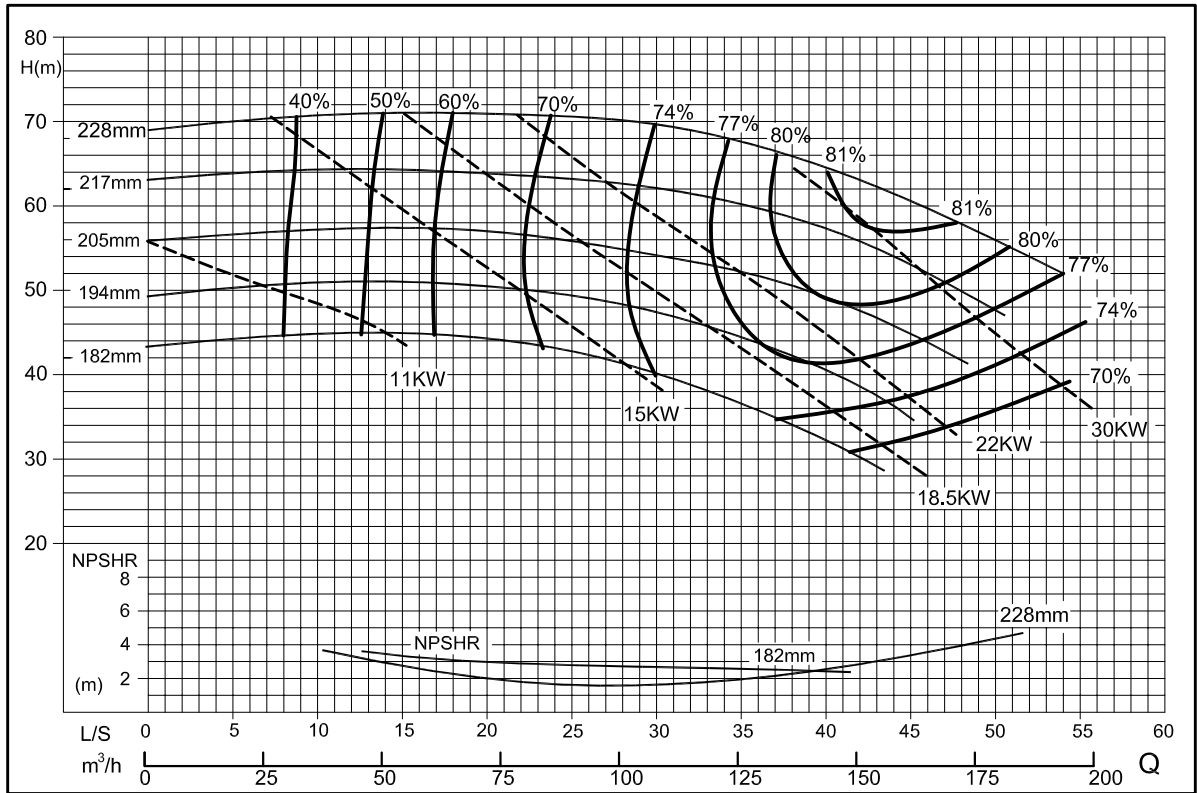
Chemical Process Pump (ISO 2858/5199) Pump Model 80x50-250 Speed 2900rpm Performance Curve 50Hz



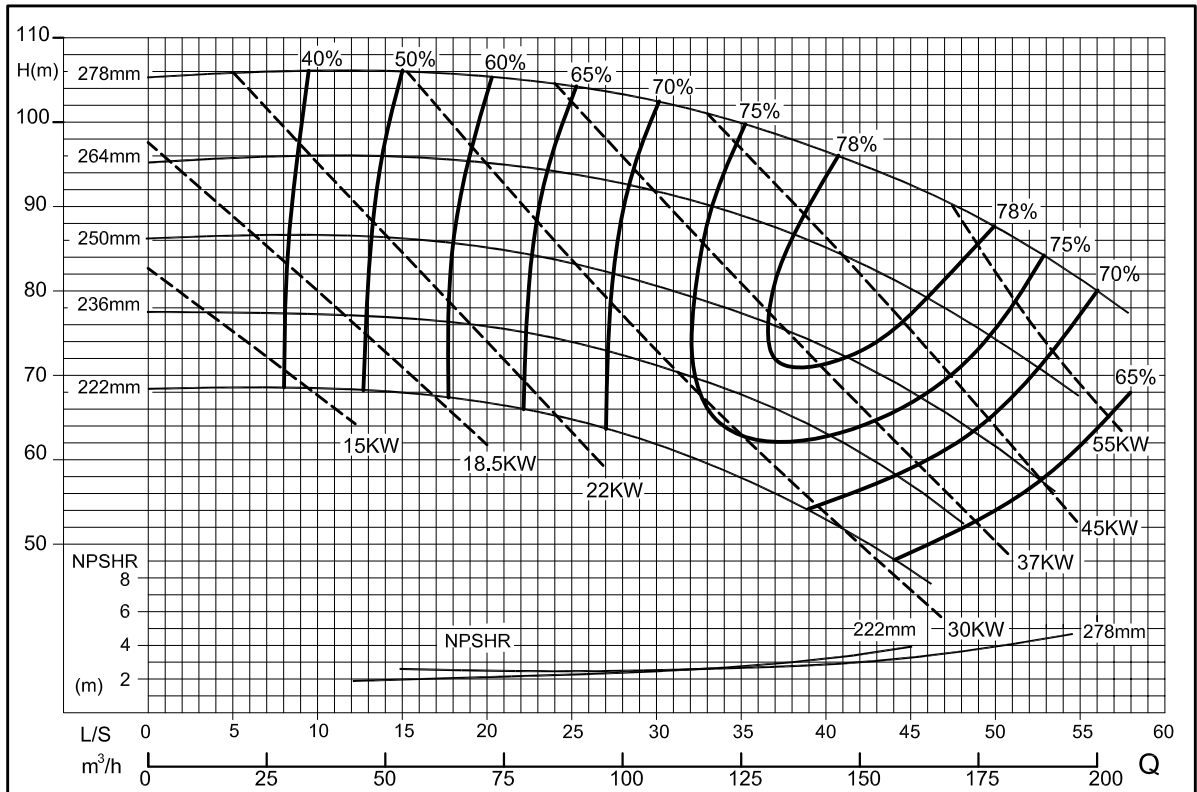
Chemical Process Pump (ISO 2858/5199) Pump Model 80x50-315 Speed 2900rpm Performance Curve 50Hz



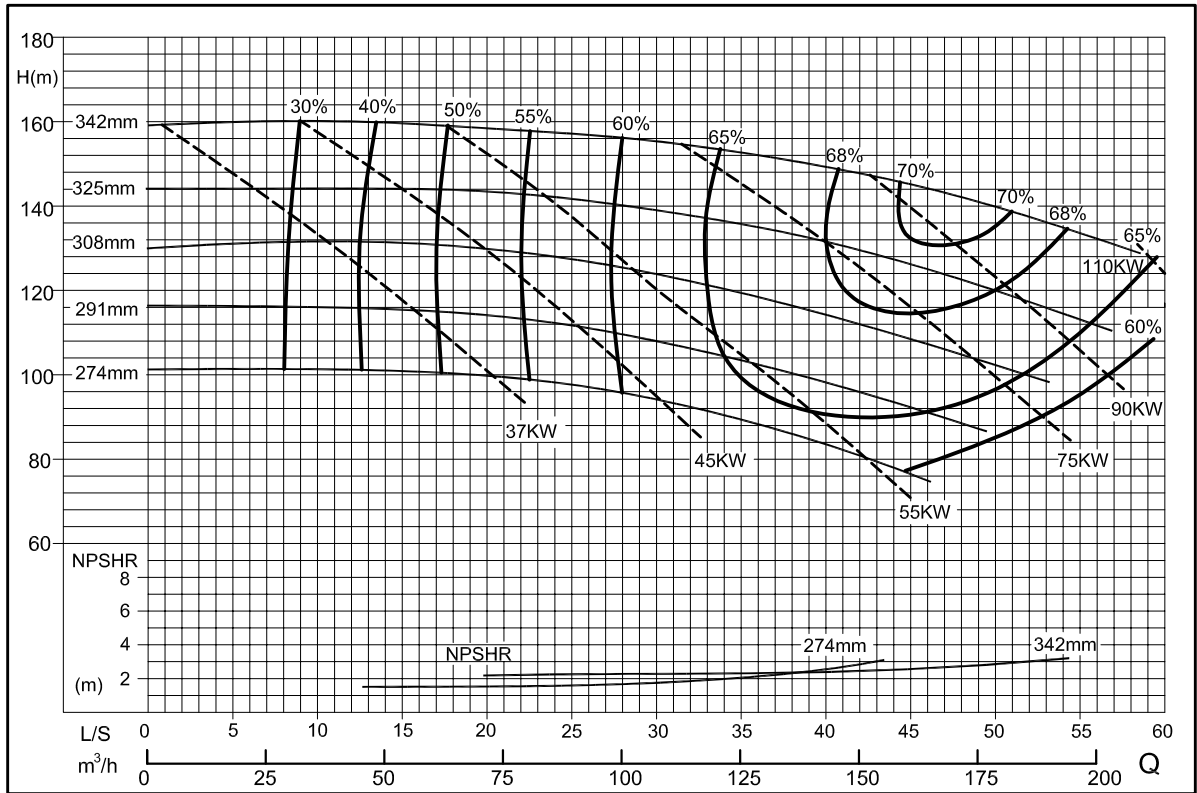
Chemical Process Pump (ISO 2858/5199) Pump Model 80x65-160 Speed 2900rpm Performance Curve 50Hz



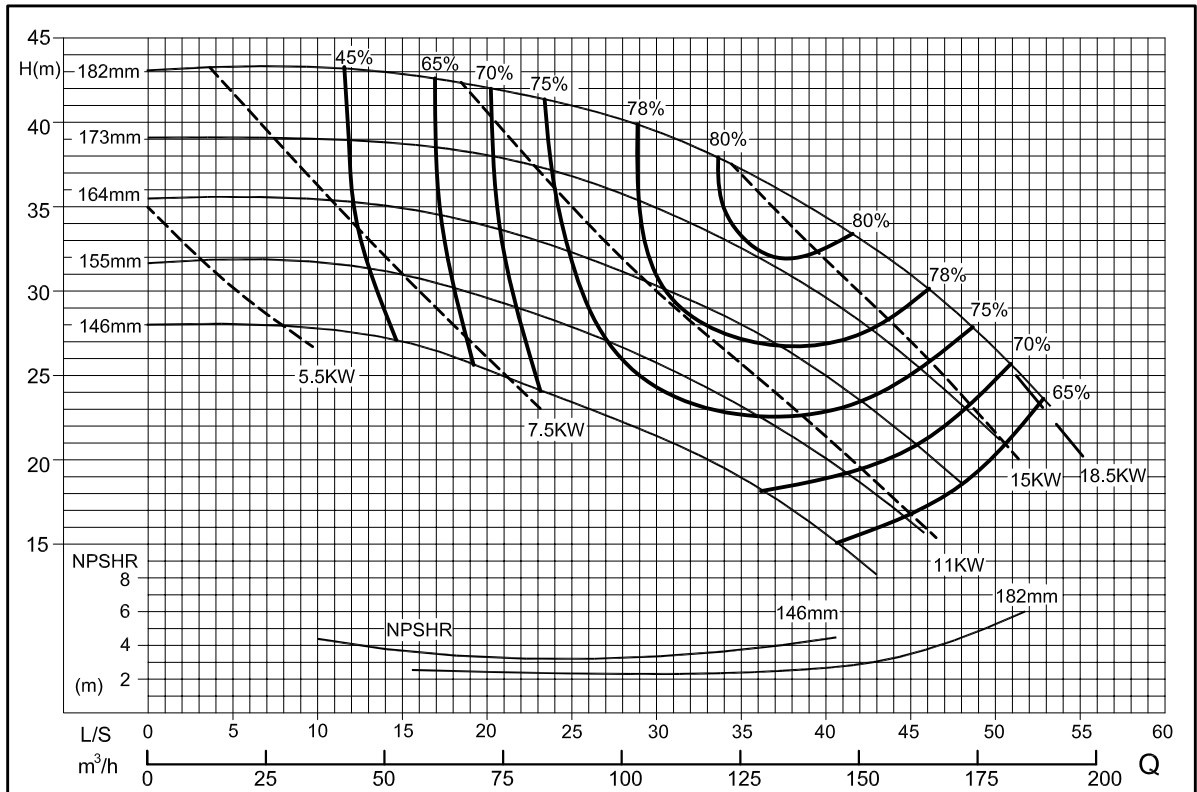
Chemical Process Pump (ISO 2858/5199) Pump Model 100x65-200 Speed 2900rpm Performance Curve 50Hz



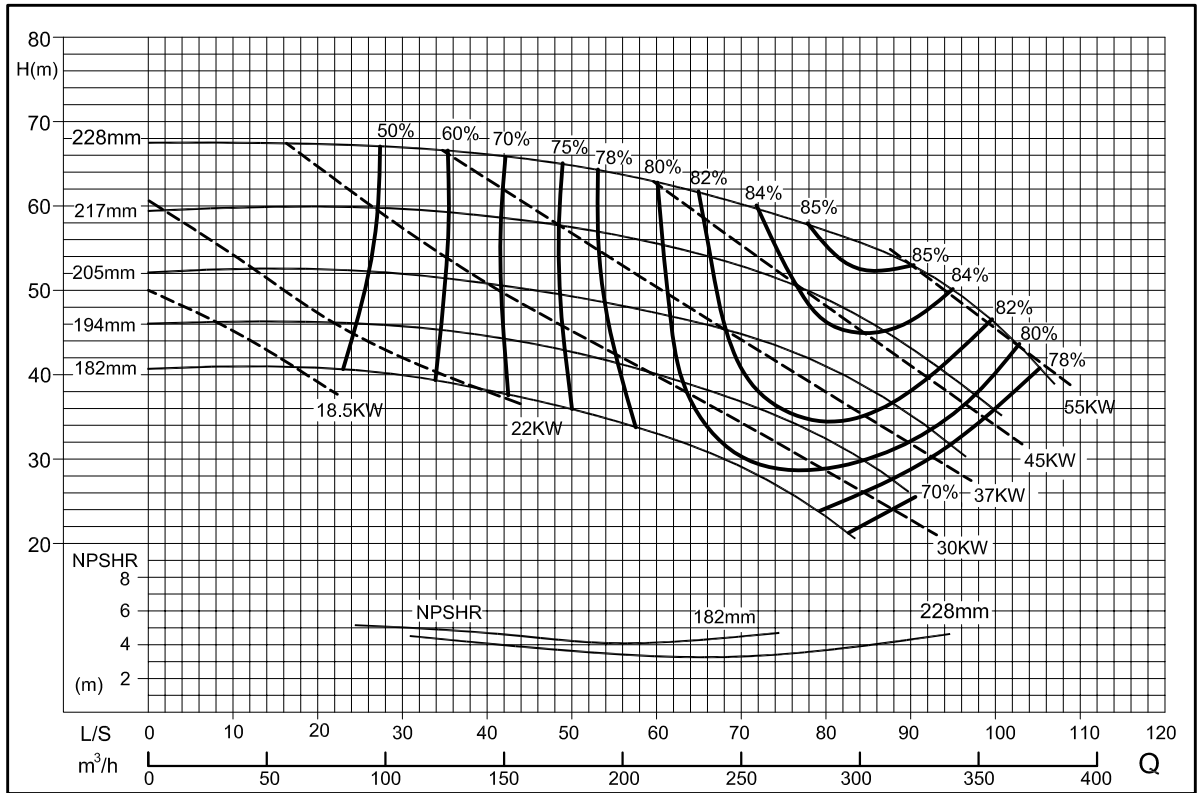
Chemical Process Pump (ISO 2858/5199) Pump Model 100x65-250 Speed 2900rpm Performance Curve 50Hz



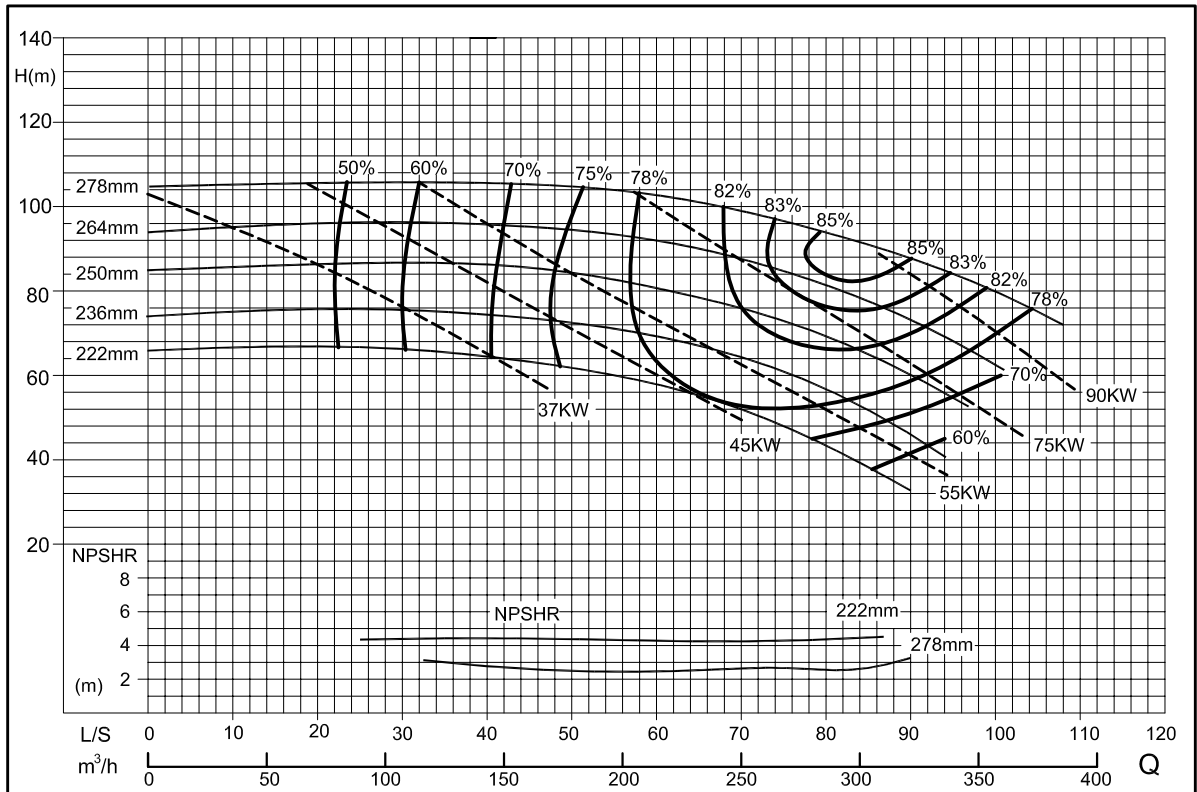
Chemical Process Pump (ISO 2858/5199) Pump Model 100x65-315 Speed 2900rpm Performance Curve 50Hz



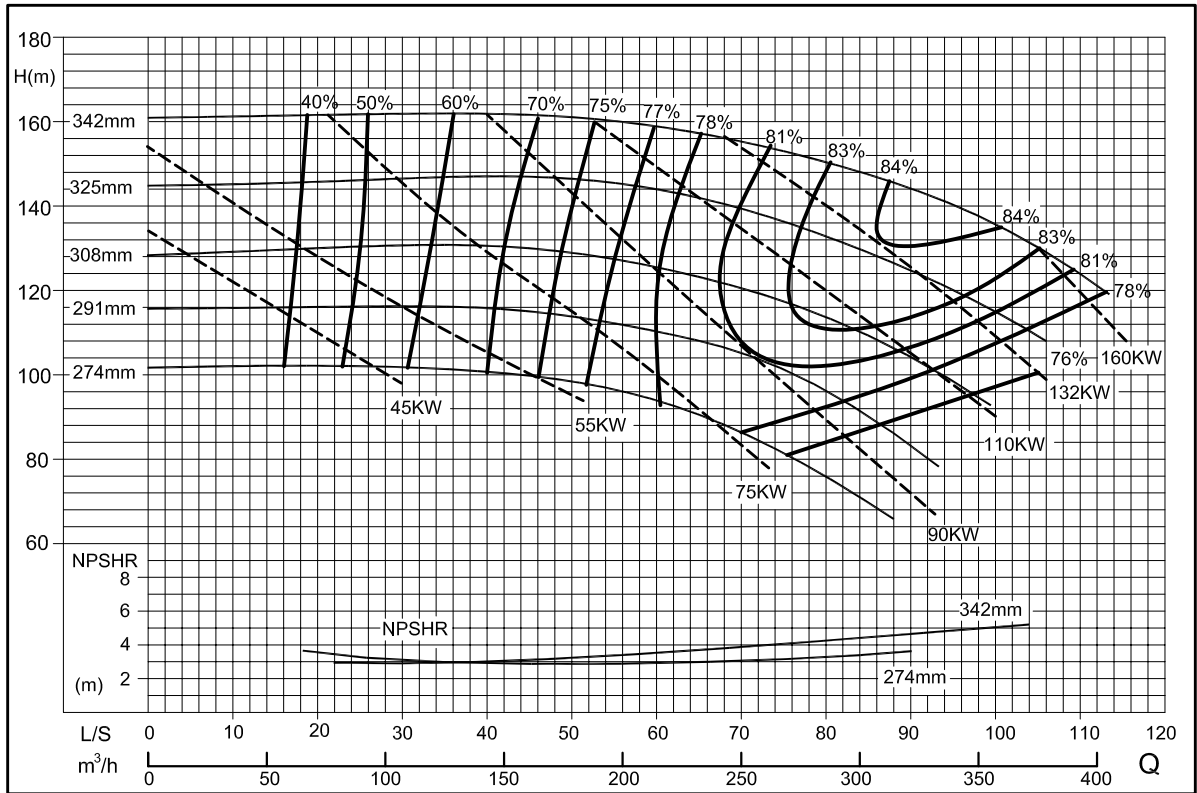
Chemical Process Pump (ISO 2858/5199) Pump Model 100x80-160 Speed 2900rpm Performance Curve 50Hz



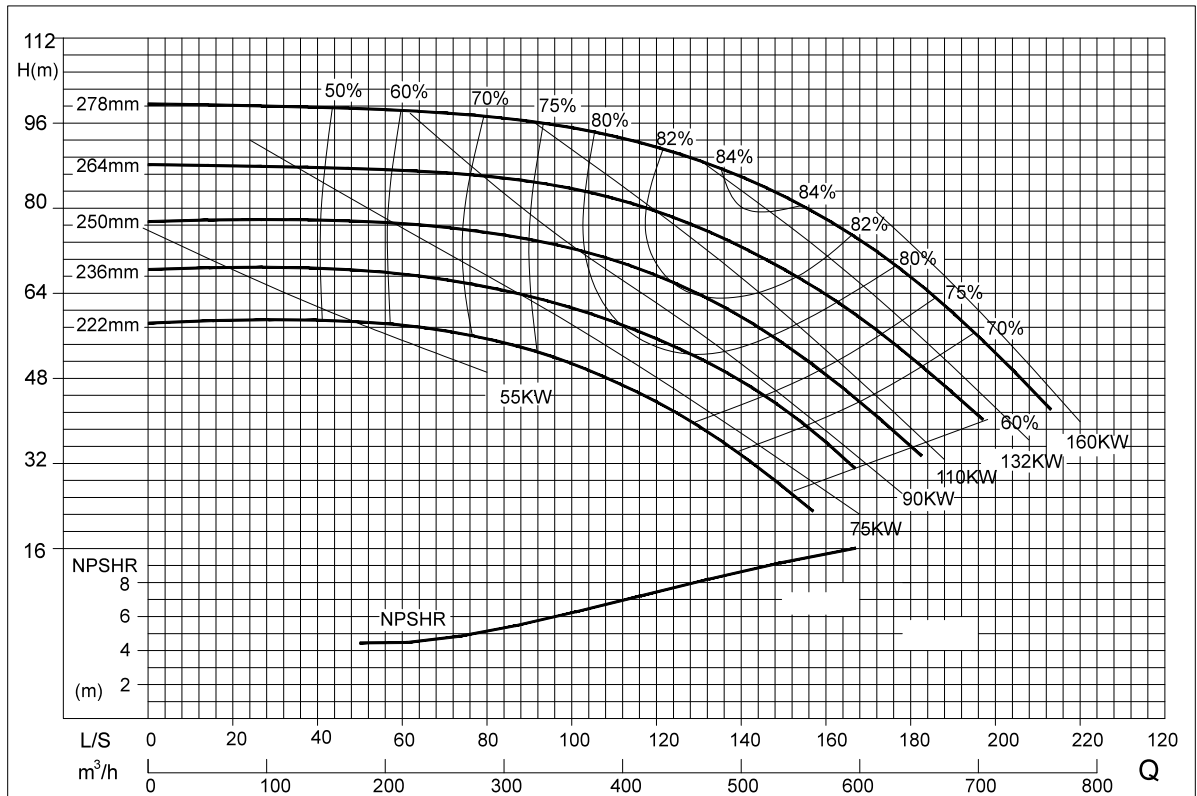
Chemical Process Pump (ISO 2858/5199) Pump Model 125x100-200 Speed 2900rpm Performance Curve 50Hz



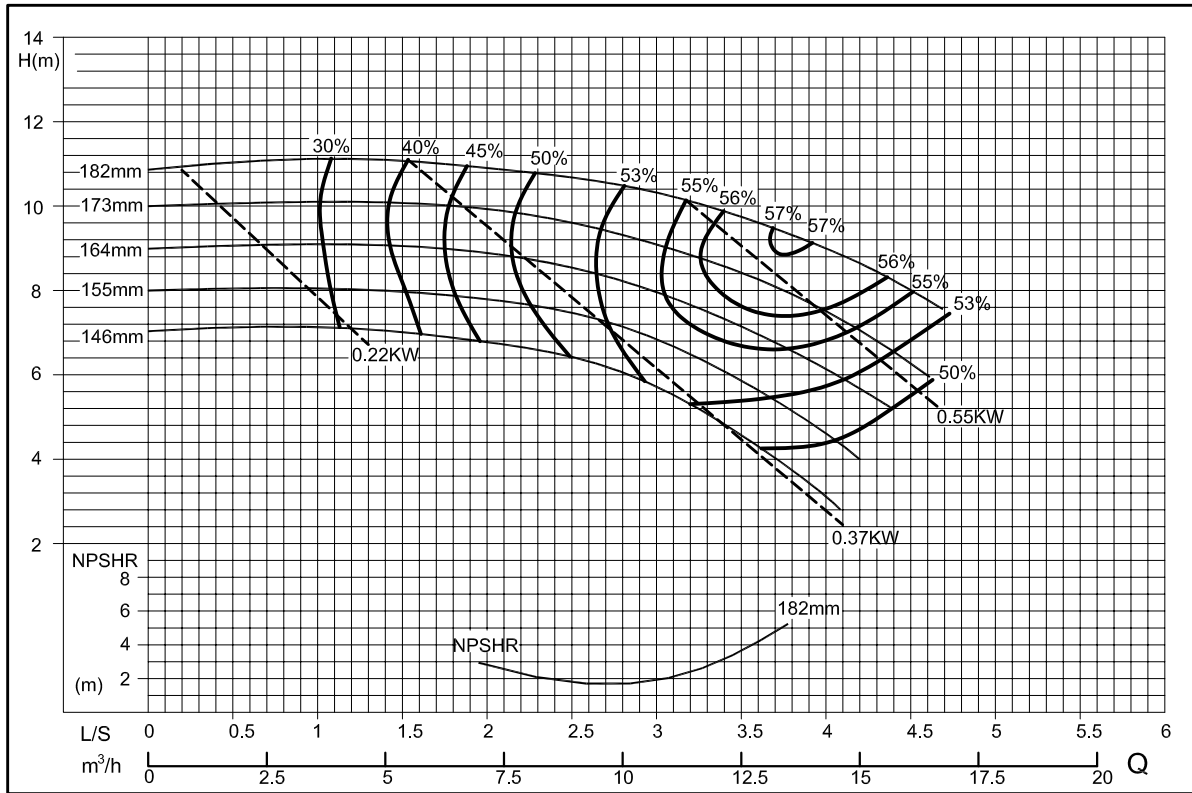
Chemical Process Pump (ISO 2858/5199) Pump Model 125x100-250 Speed 2900rpm Performance Curve 50Hz



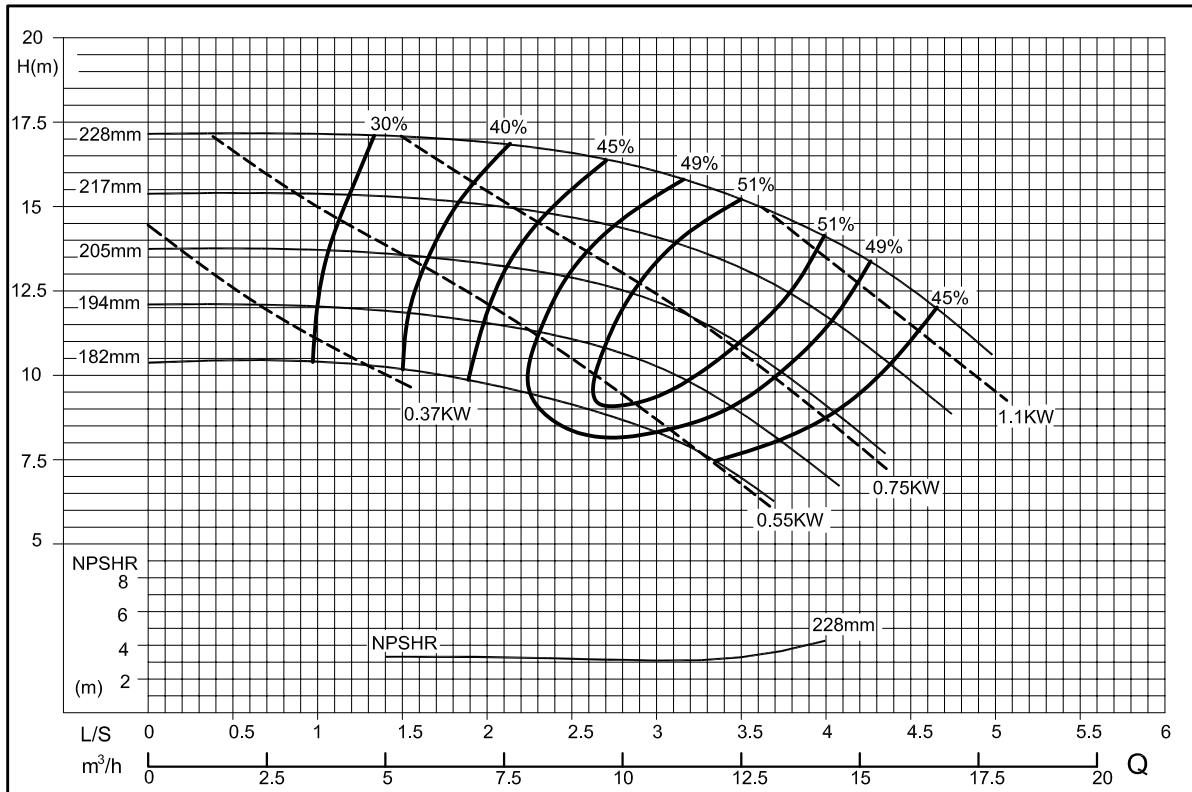
Chemical Process Pump (ISO 2858/5199) Pump Model 125x100-315 Speed 2900rpm Performance Curve 50Hz



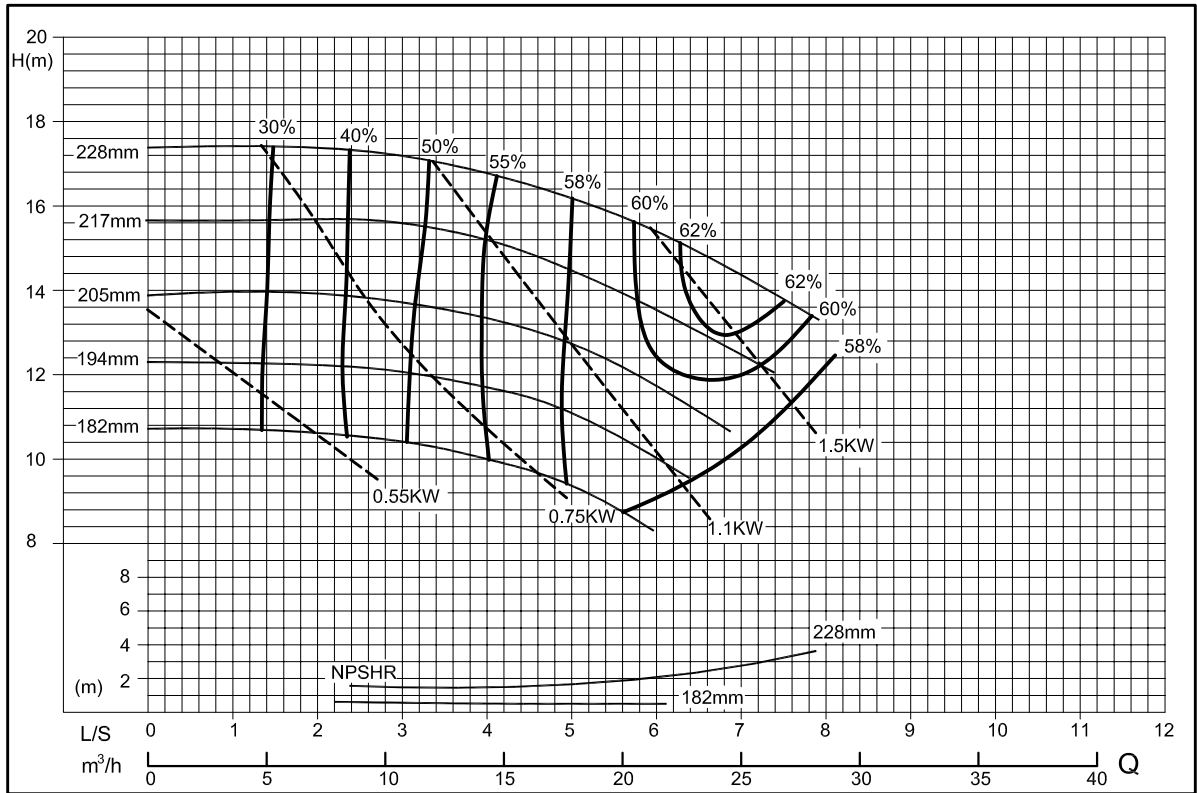
Chemical Process Pump (ISO 2858/5199) Pump Model 150x125-250 Speed 2900rpm Performance Curve 50Hz



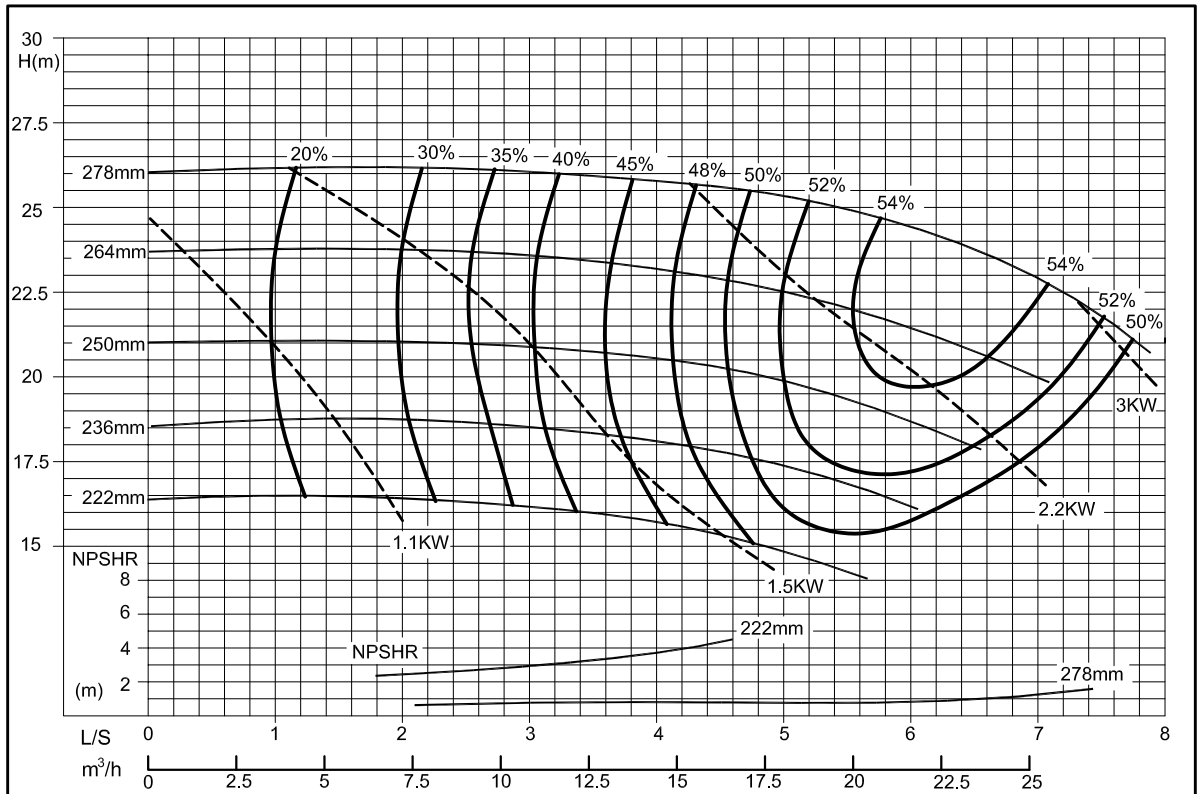
Chemical Process Pump (ISO 2858/5199) Pump Model 50x32-160 Speed 1450rpm Performance Curve 50Hz



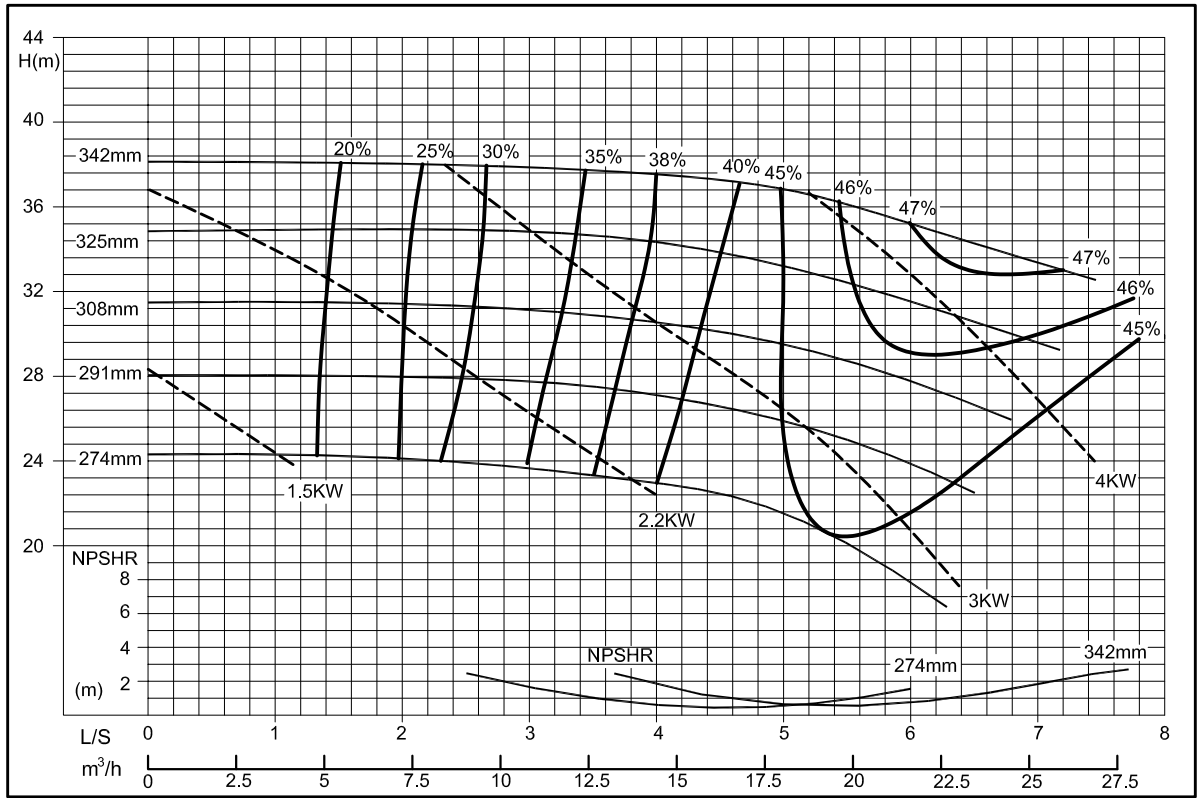
Chemical Process Pump (ISO 2858/5199) Pump Model 50x32-200 Speed 1450rpm Performance Curve 50Hz



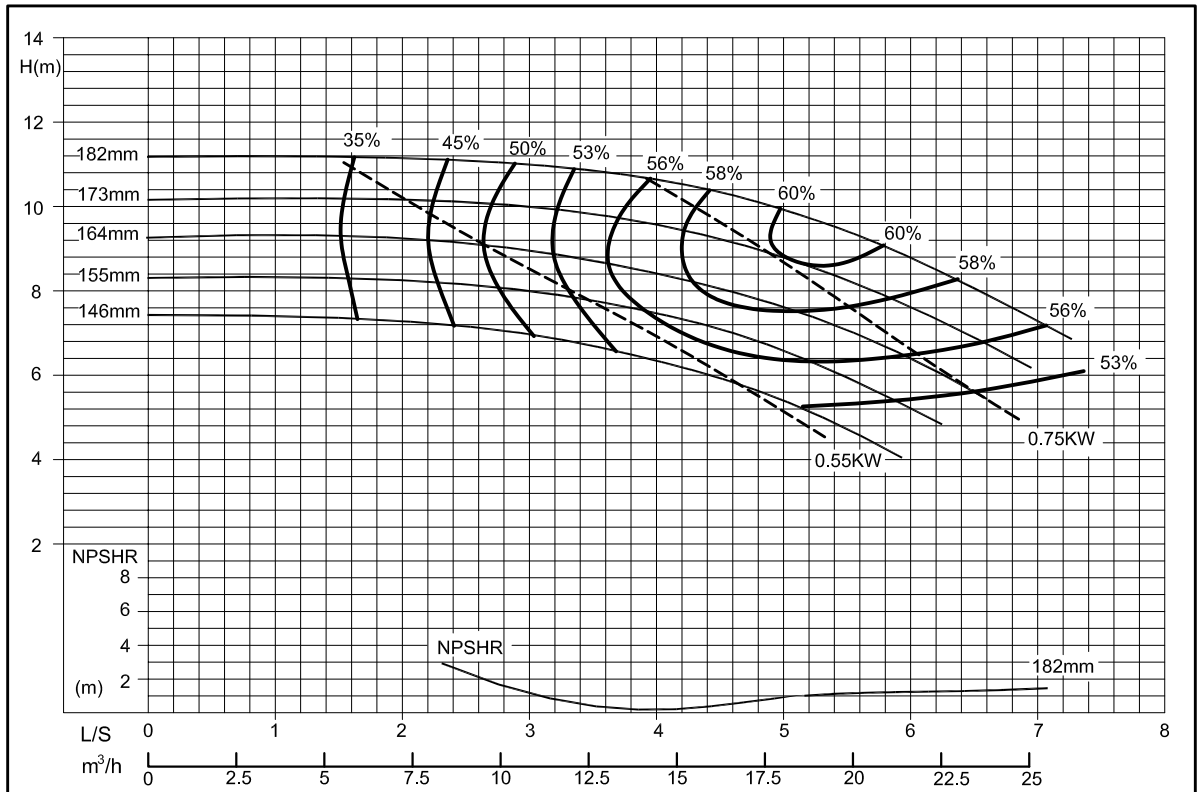
Chemical Process Pump (ISO 2858/5199) Pump Model 65x40-200 Speed 1450rpm Performance Curve 50Hz



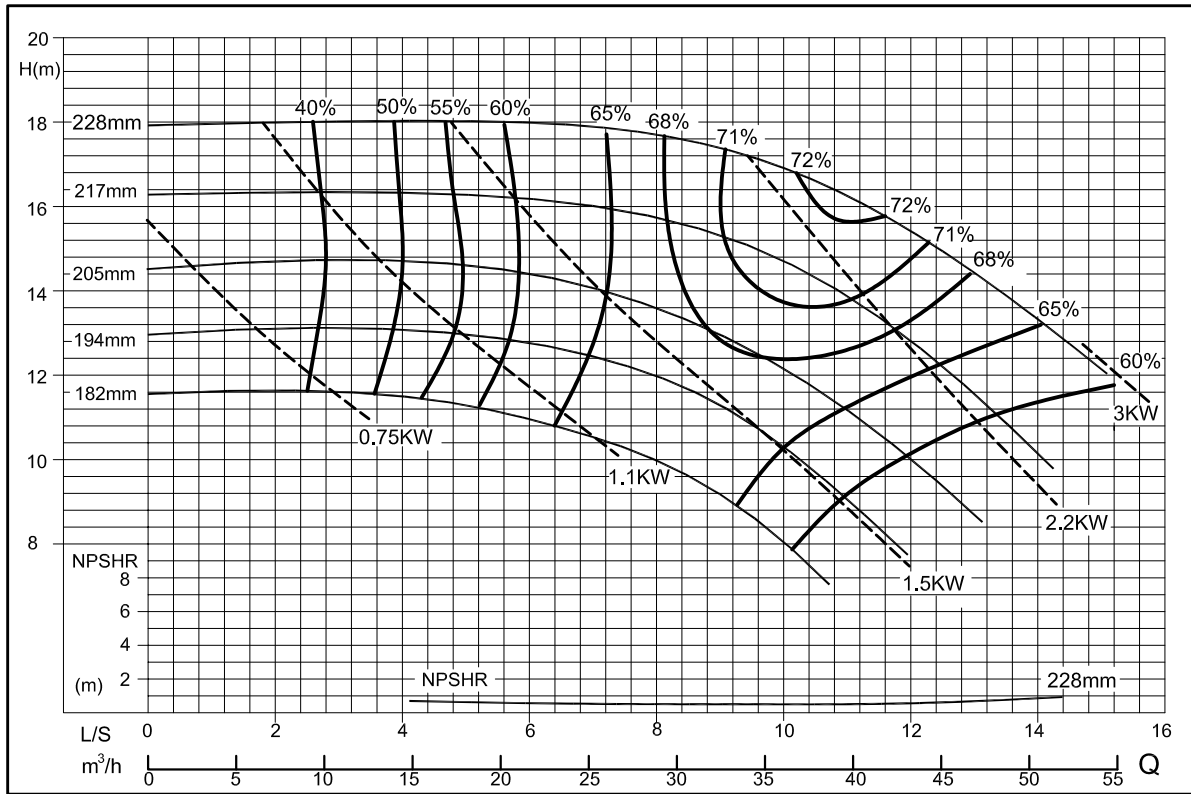
Chemical Process Pump (ISO 2858/5199) Pump Model 65x40-250 Speed 1450rpm Performance Curve 50Hz



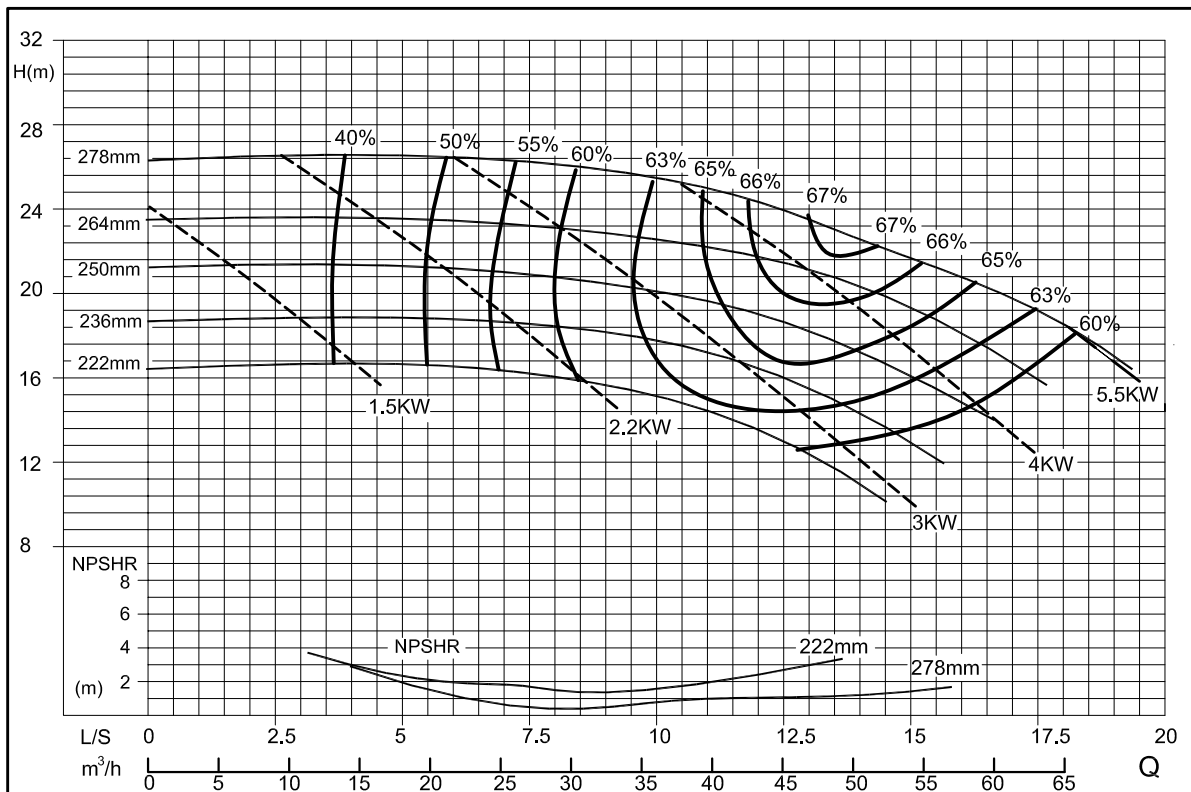
Chemical Process Pump (ISO 2858/5199) Pump Model 65x40-315 Speed 1450rpm Performance Curve 50Hz



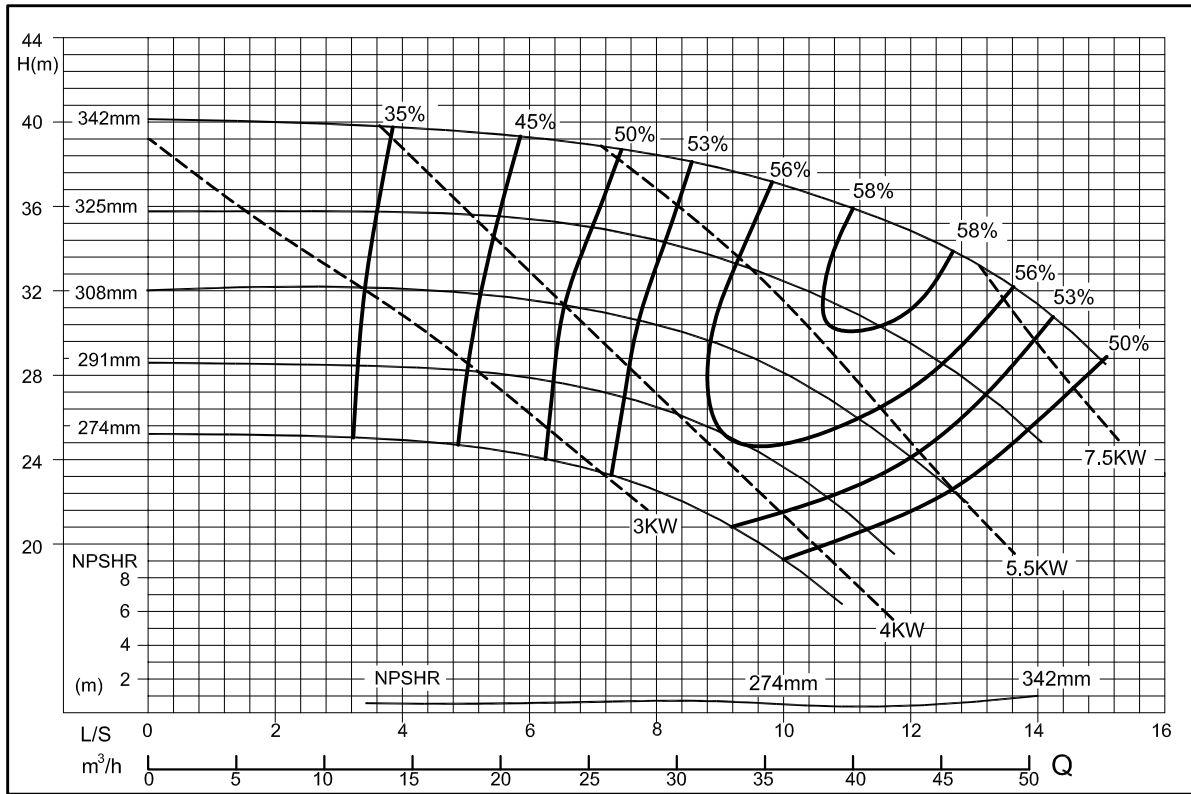
Chemical Process Pump (ISO 2858/5199) Pump Model 65x50-160 Speed 1450rpm Performance Curve 50Hz



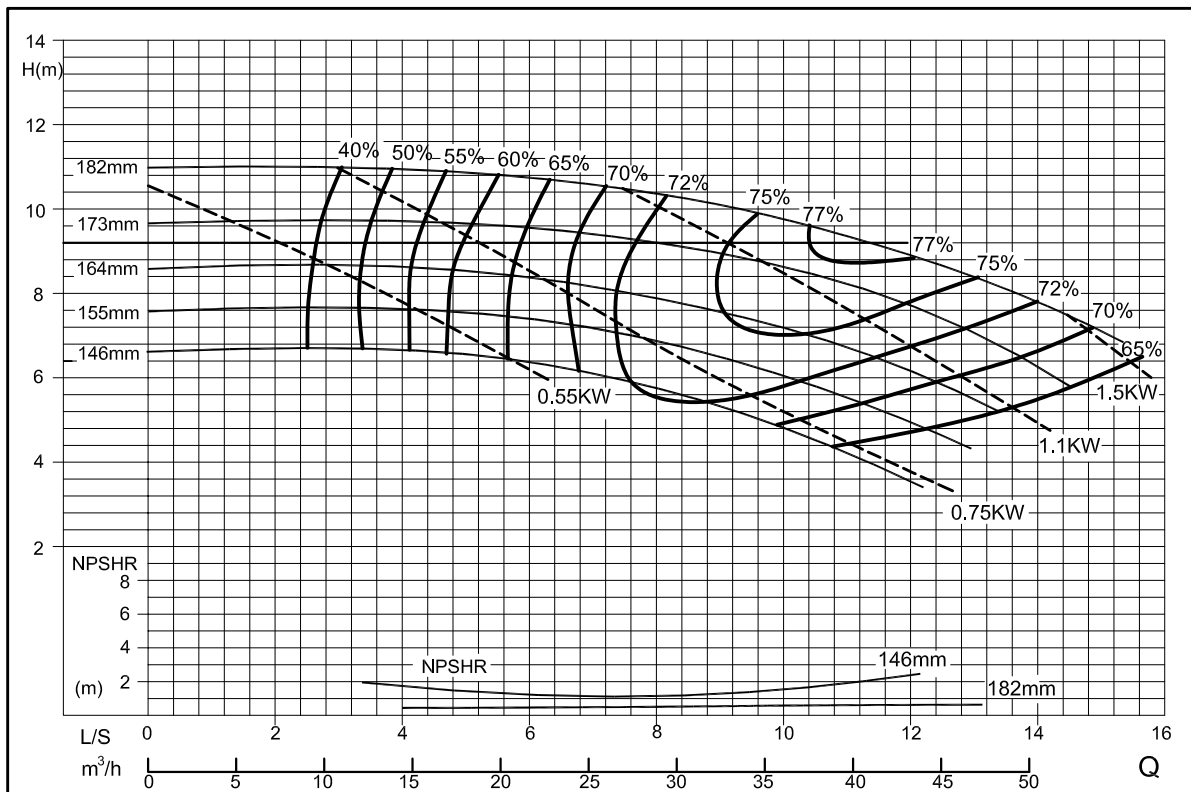
Chemical Process Pump (ISO 2858/5199) Pump Model 80x50-200 Speed 1450rpm Performance Curve 50Hz



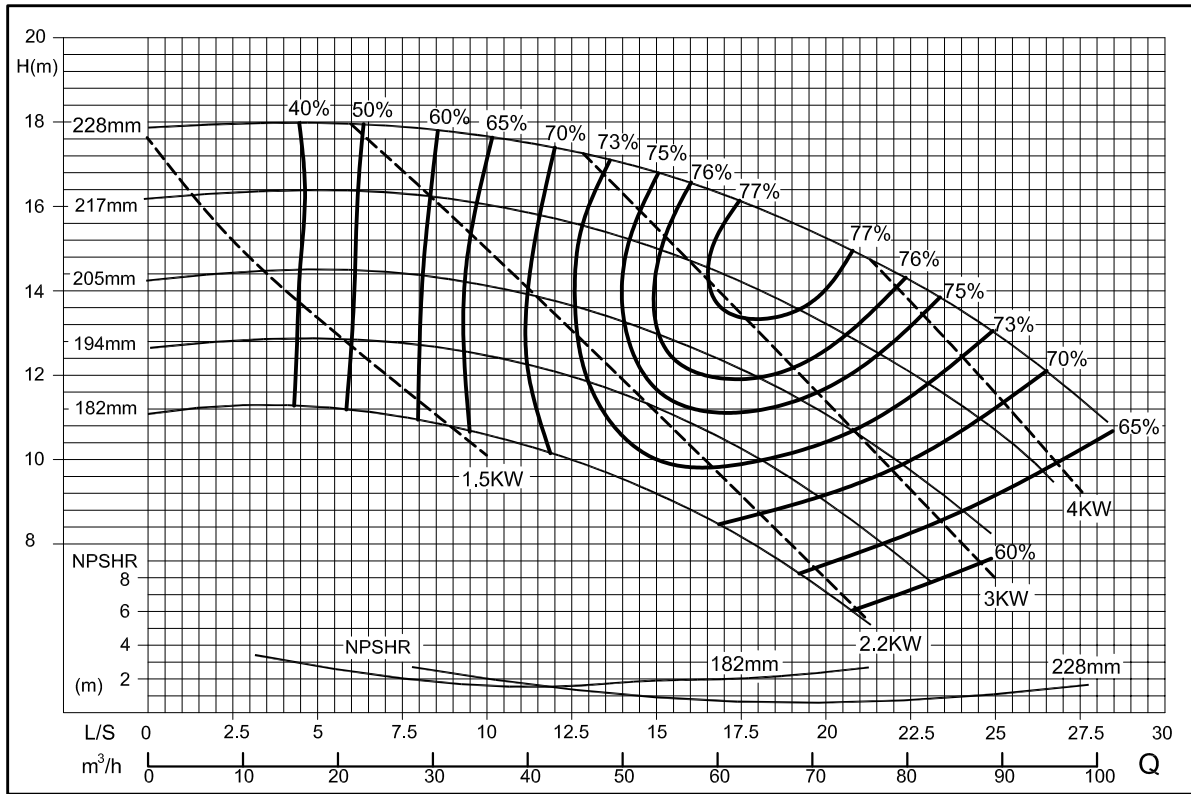
Chemical Process Pump (ISO 2858/5199) Pump Model 80x50-250 Speed 1450rpm Performance Curve 50Hz



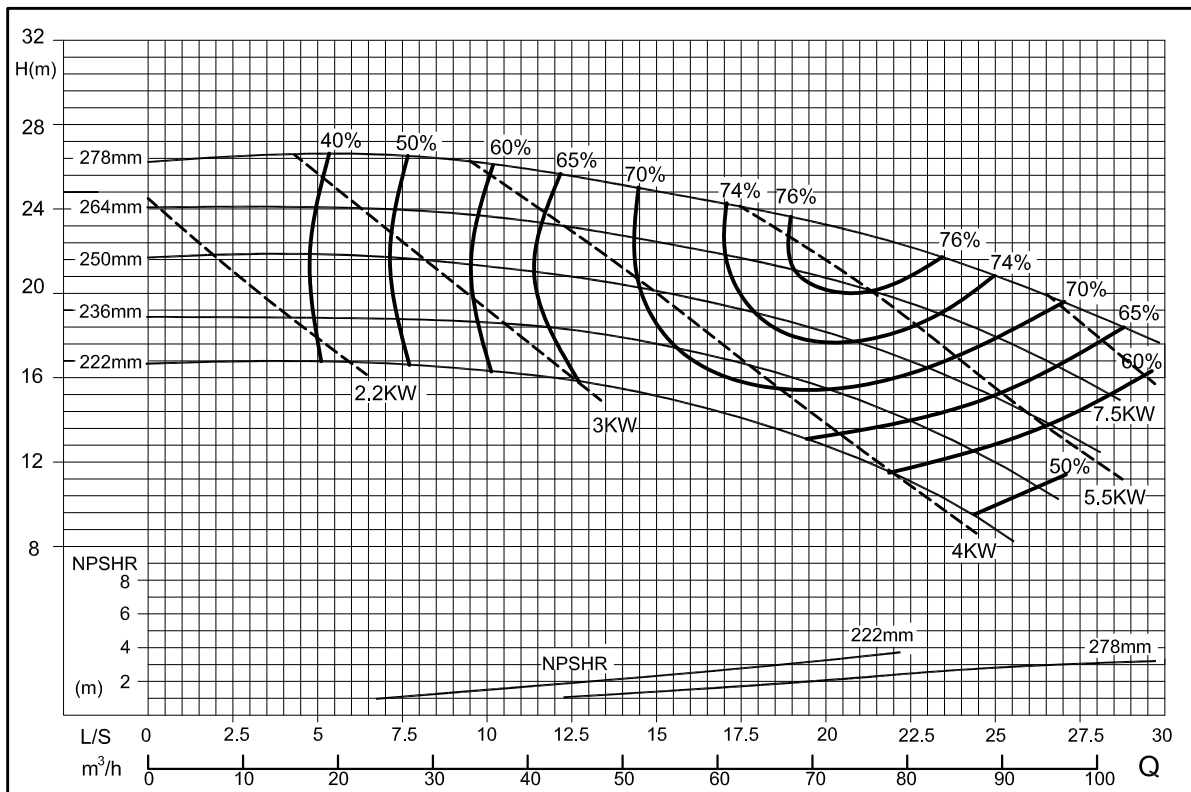
Chemical Process Pump (ISO 2858/5199) Pump Model 80x50-315 Speed 1450rpm Performance Curve 50Hz



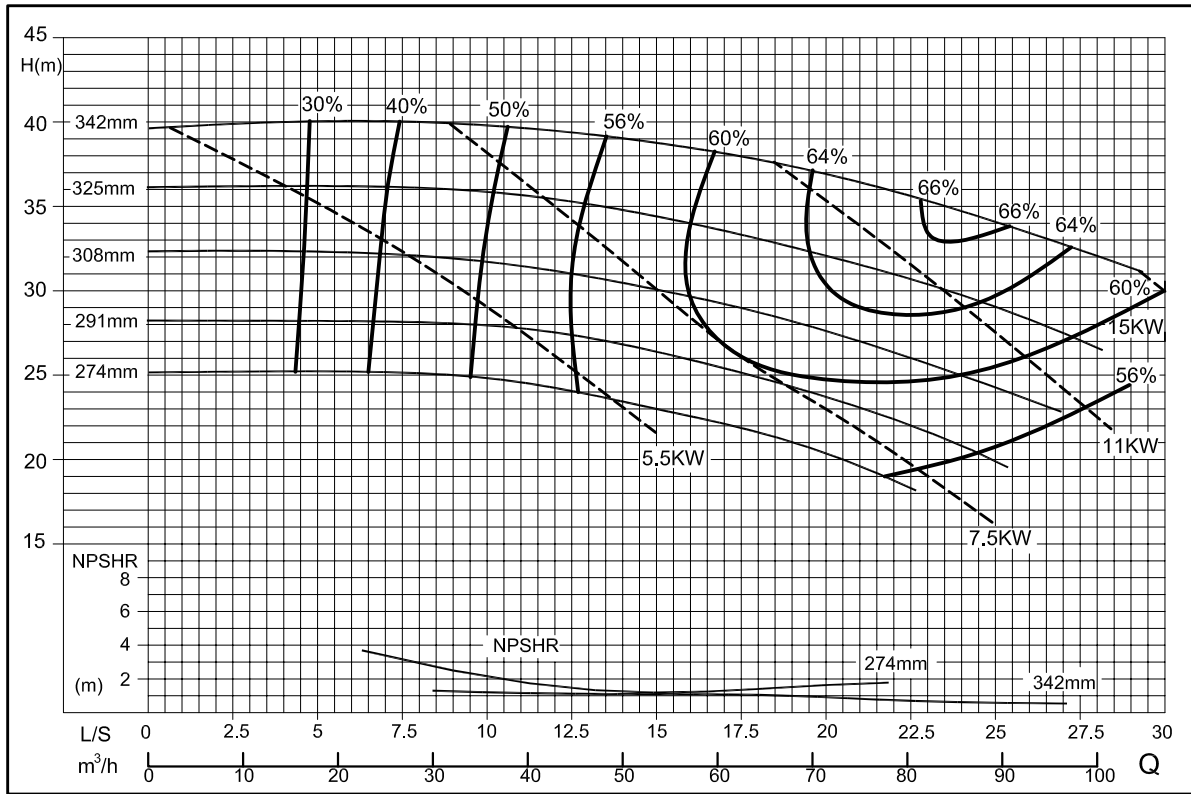
Chemical Process Pump (ISO 2858/5199) Pump Model 80x65-160 Speed 1450rpm Performance Curve 50Hz



Chemical Process Pump (ISO 2858/5199) Pump Model 100x65-200 Speed 1450rpm Performance Curve 50Hz



Chemical Process Pump (ISO 2858/5199) Pump Model 100x65-250 Speed 1450rpm Performance Curve 50Hz

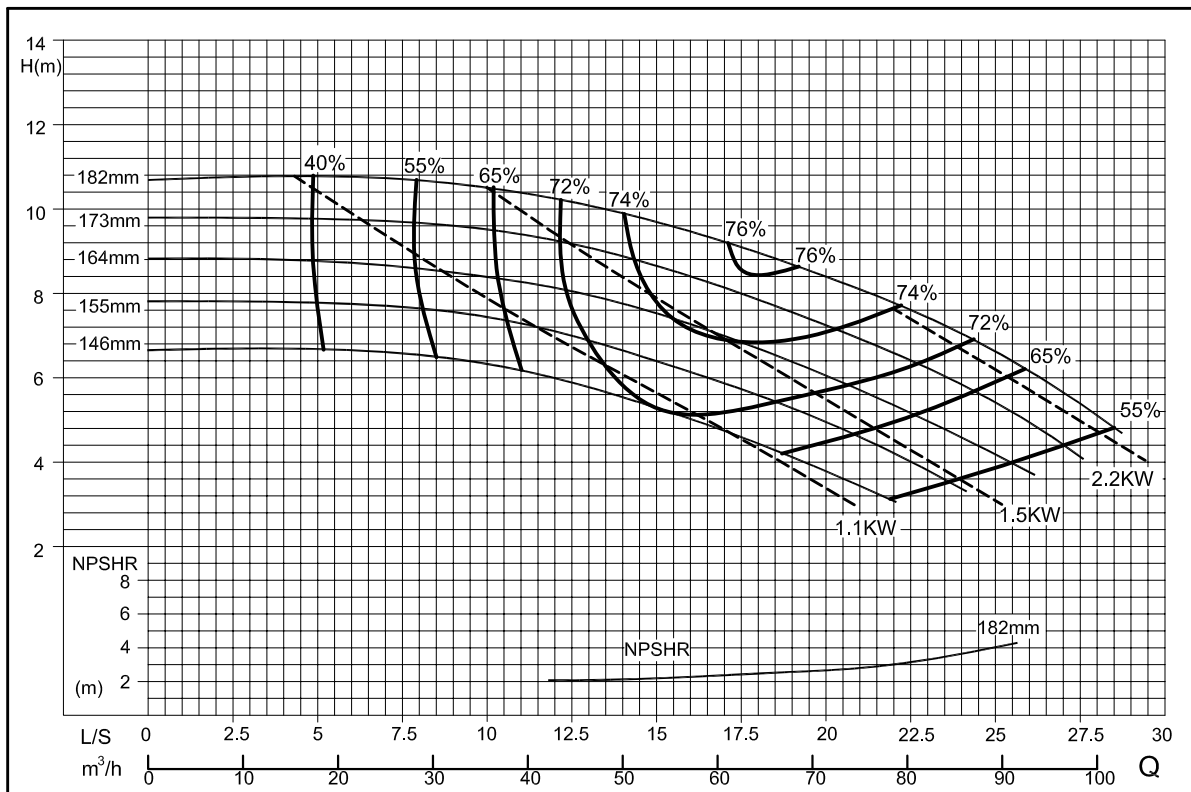


Chemical Process Pump  
(ISO 2858/5199)

Pump Model  
100x65-315

Speed  
1450rpm

Performance Curve  
50Hz

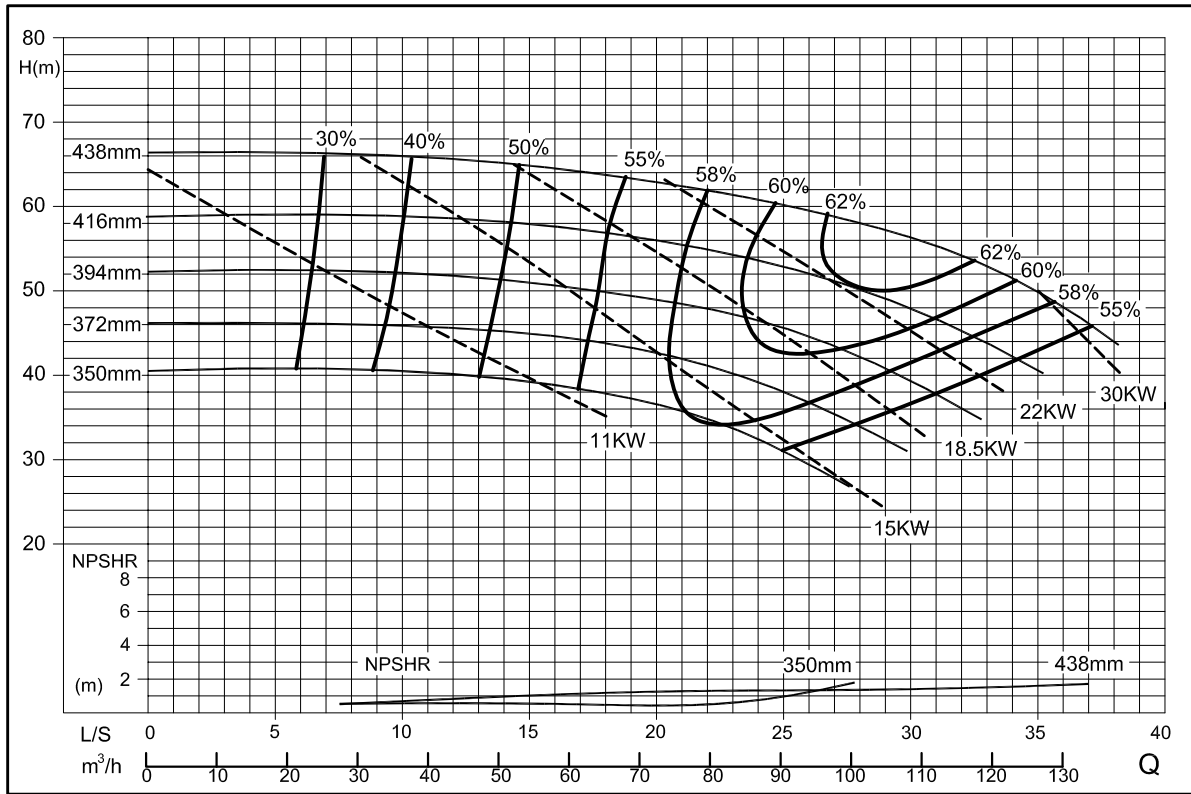


Chemical Process Pump  
(ISO 2858/5199)

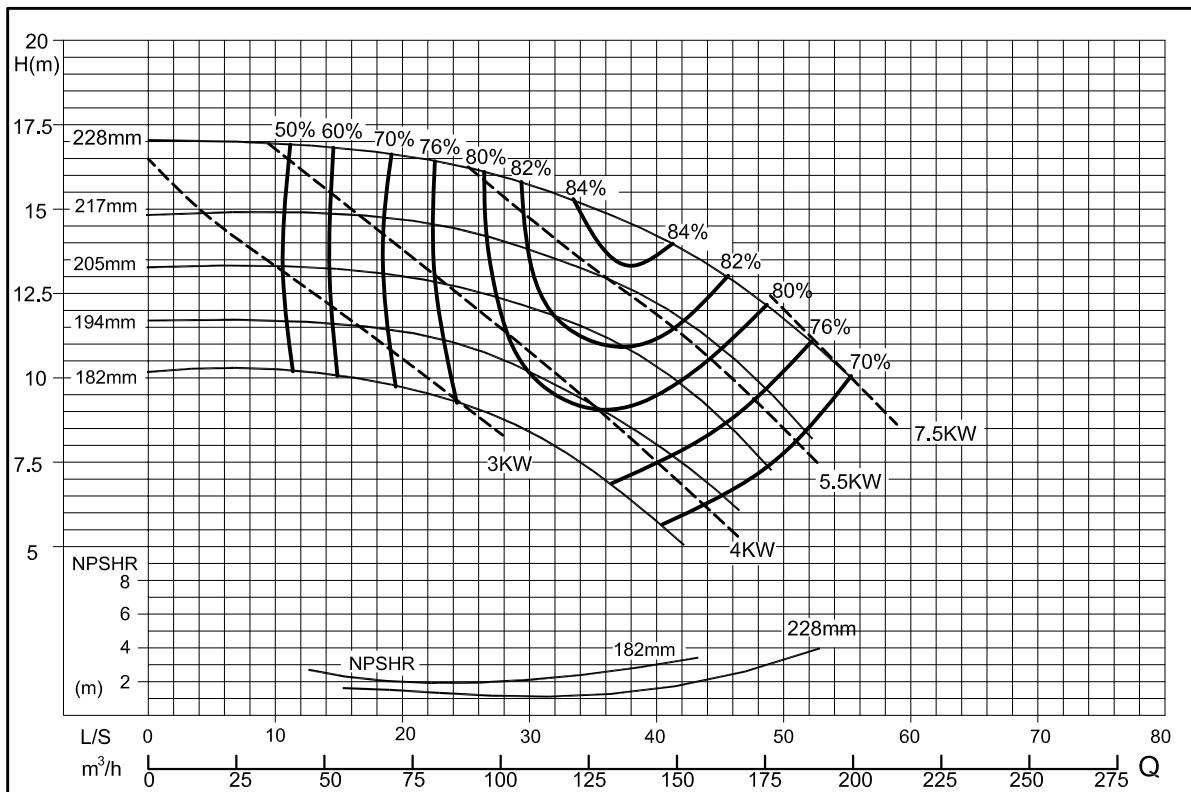
Pump Model  
100x80-160

Speed  
1450rpm

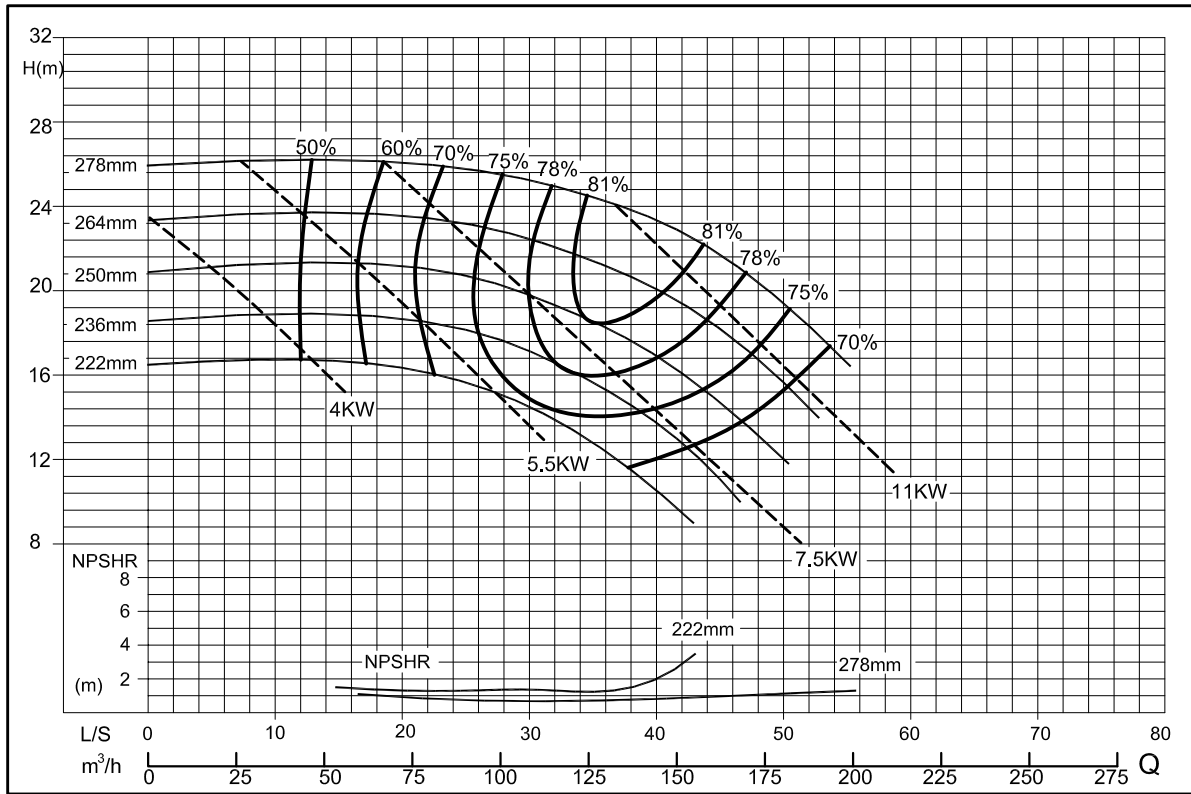
Performance Curve  
50Hz



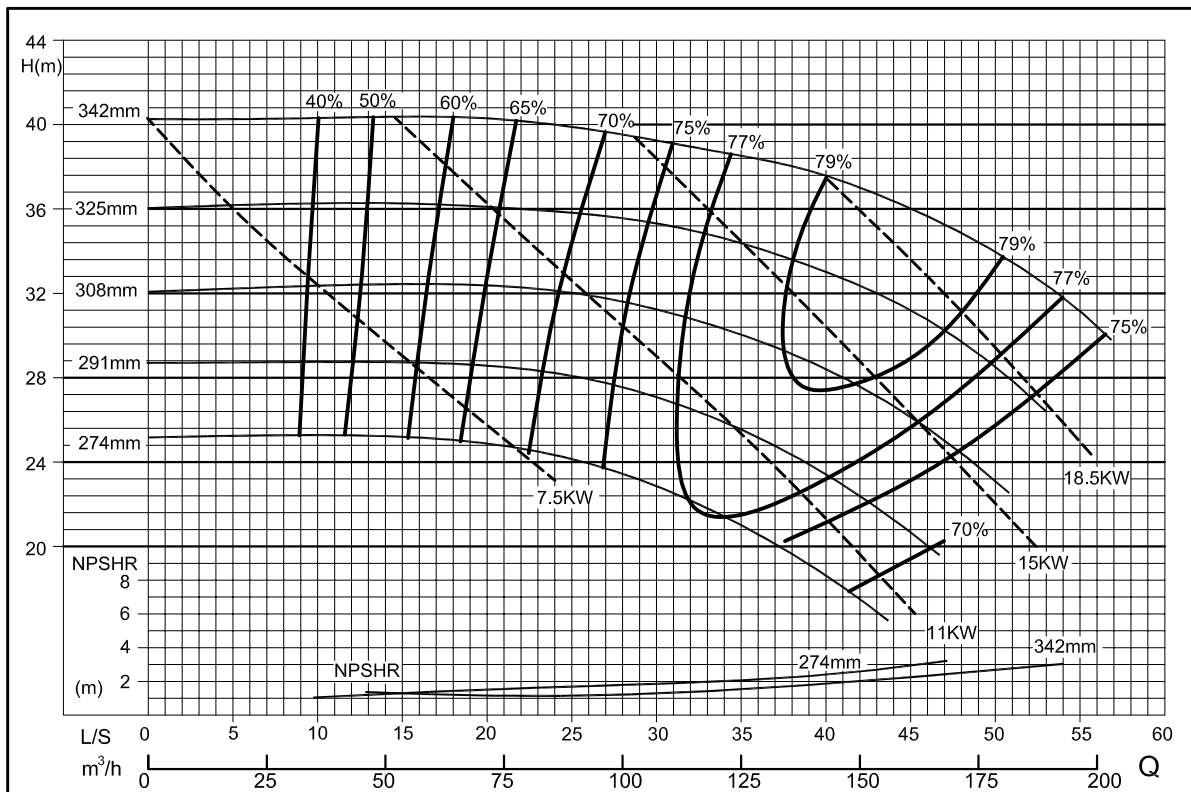
Chemical Process Pump (ISO 2858/5199) Pump Model 125x80-400 Speed 1450rpm Performance Curve 50Hz



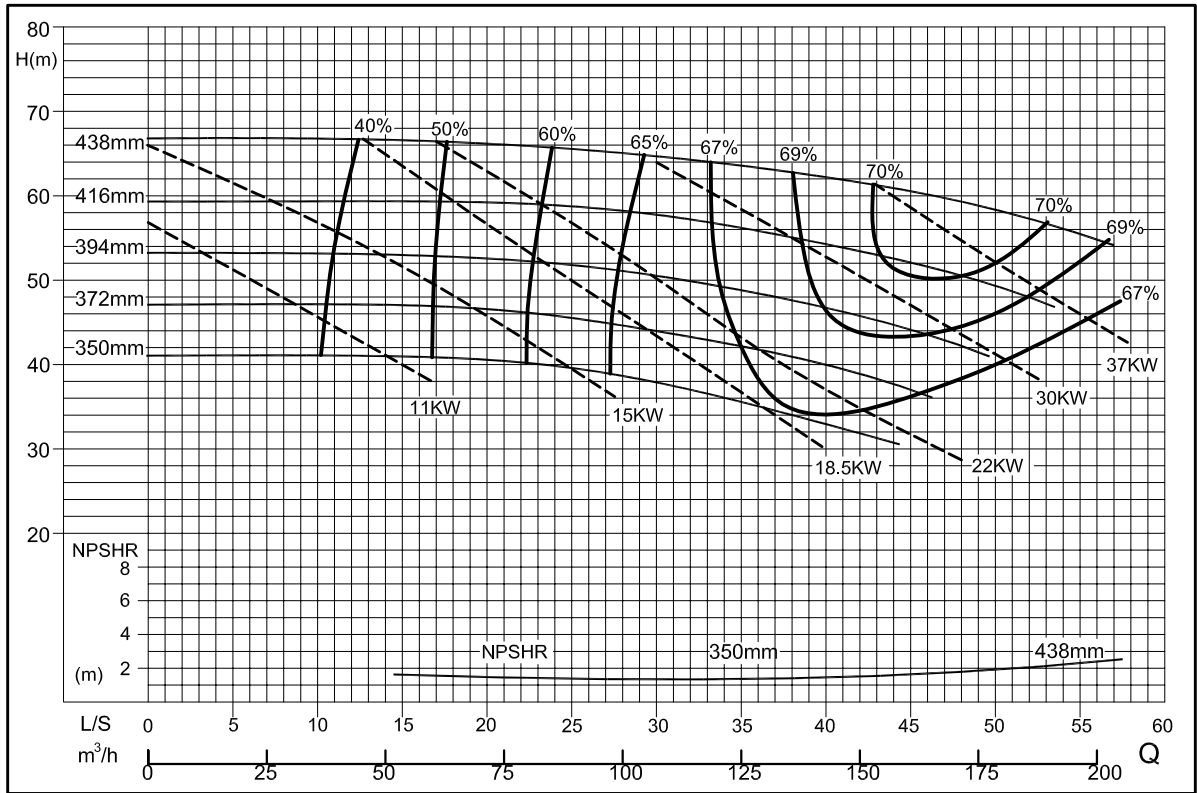
Chemical Process Pump (ISO 2858/5199) Pump Model 125x100-200 Speed 1450rpm Performance Curve 50Hz



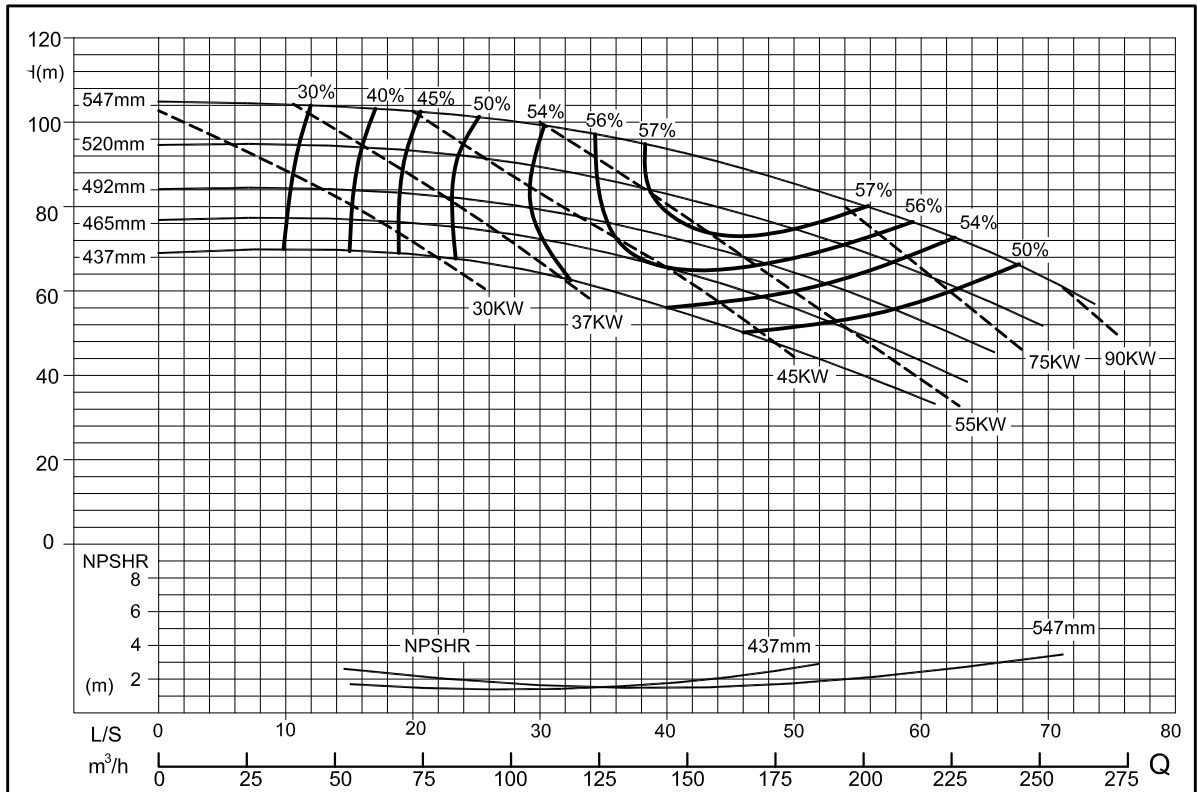
Chemical Process Pump (ISO 2858/5199) Pump Model 125x100-250 Speed 1450rpm Performance Curve 50Hz



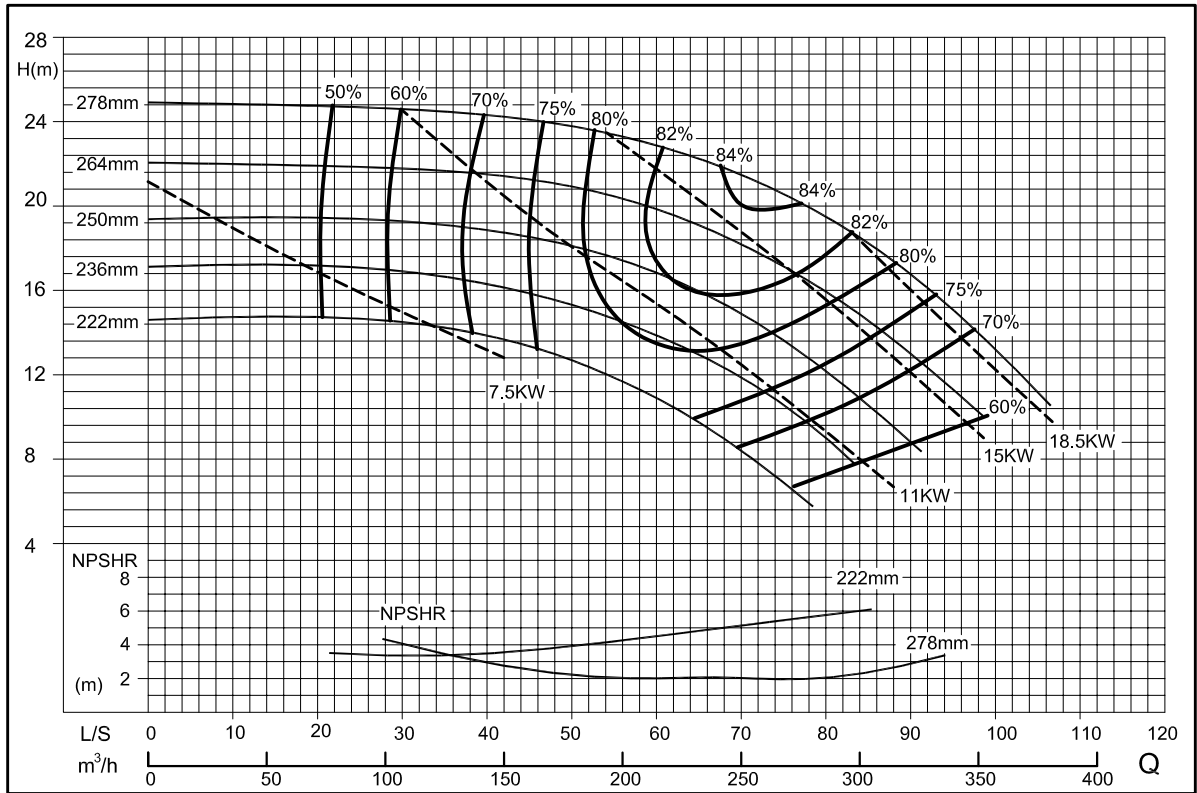
Chemical Process Pump (ISO 2858/5199) Pump Model 125x100-315 Speed 1450rpm Performance Curve 50Hz



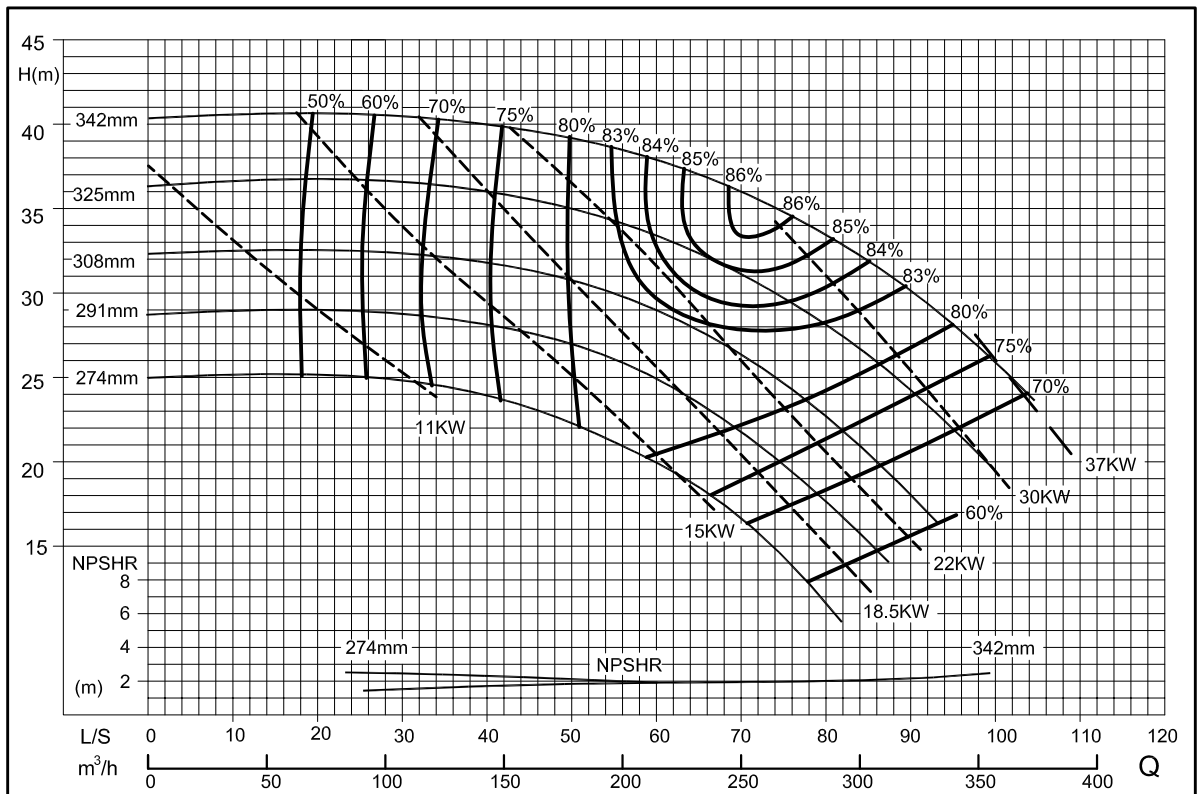
Chemical Process Pump (ISO 2858/5199) Pump Model 125x100-400 Speed 1450rpm Performance Curve 50Hz



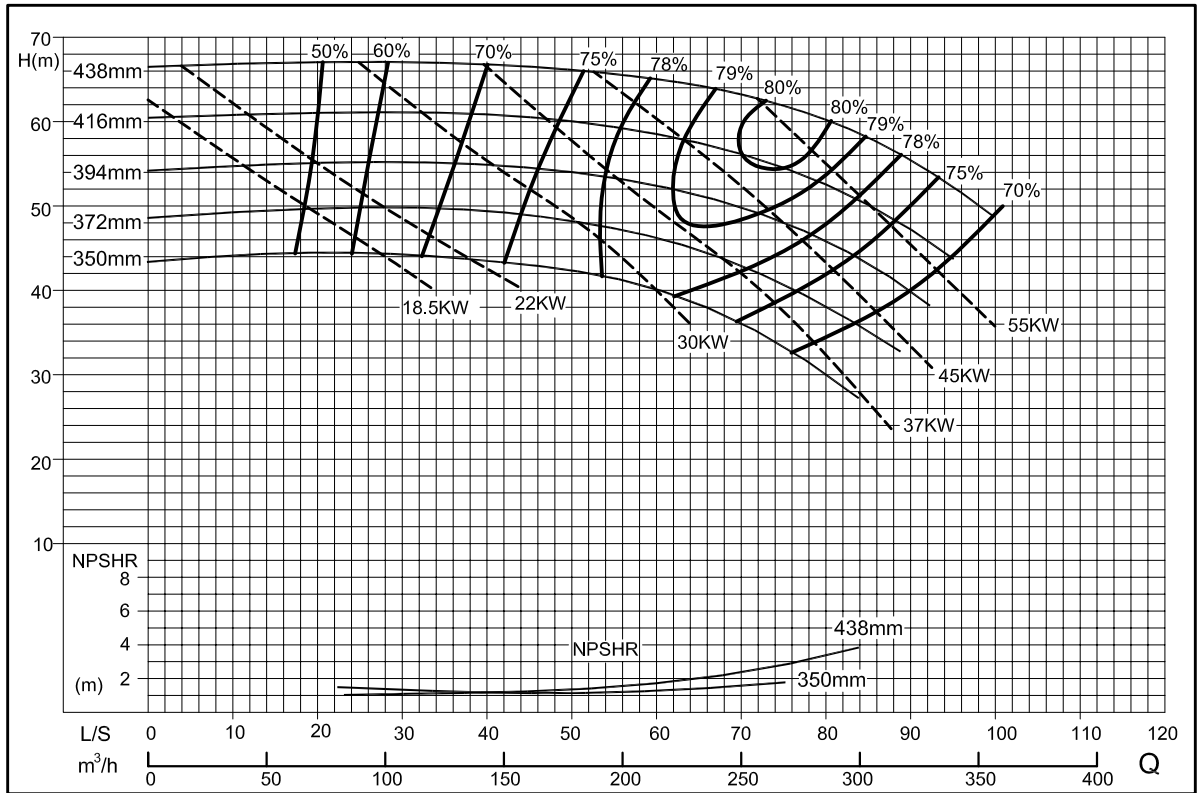
Chemical Process Pump (ISO 2858/5199) Pump Model 125x100-500 Speed 1450rpm Performance Curve 50Hz



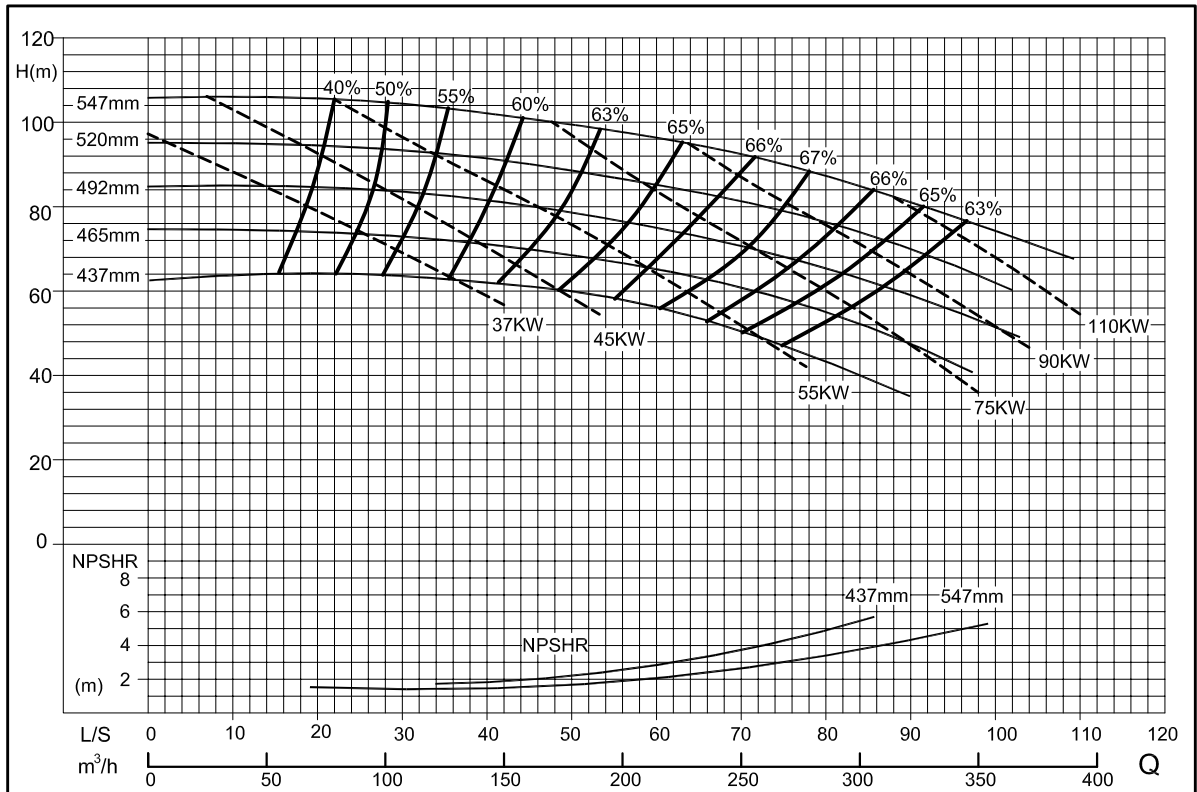
Chemical Process Pump (ISO 2858/5199) Pump Model 150x125-250 Speed 1450rpm Performance Curve 50Hz



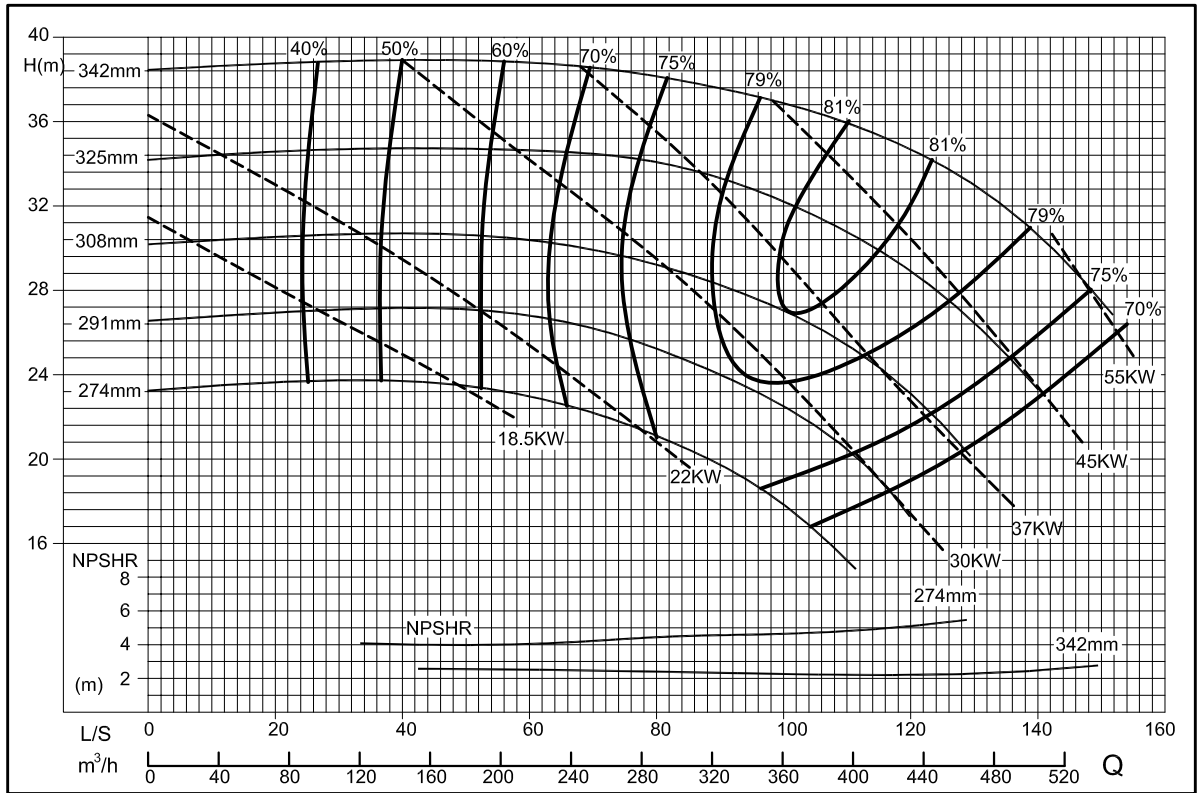
Chemical Process Pump (ISO 2858/5199) Pump Model 150x125-315 Speed 1450rpm Performance Curve 50Hz



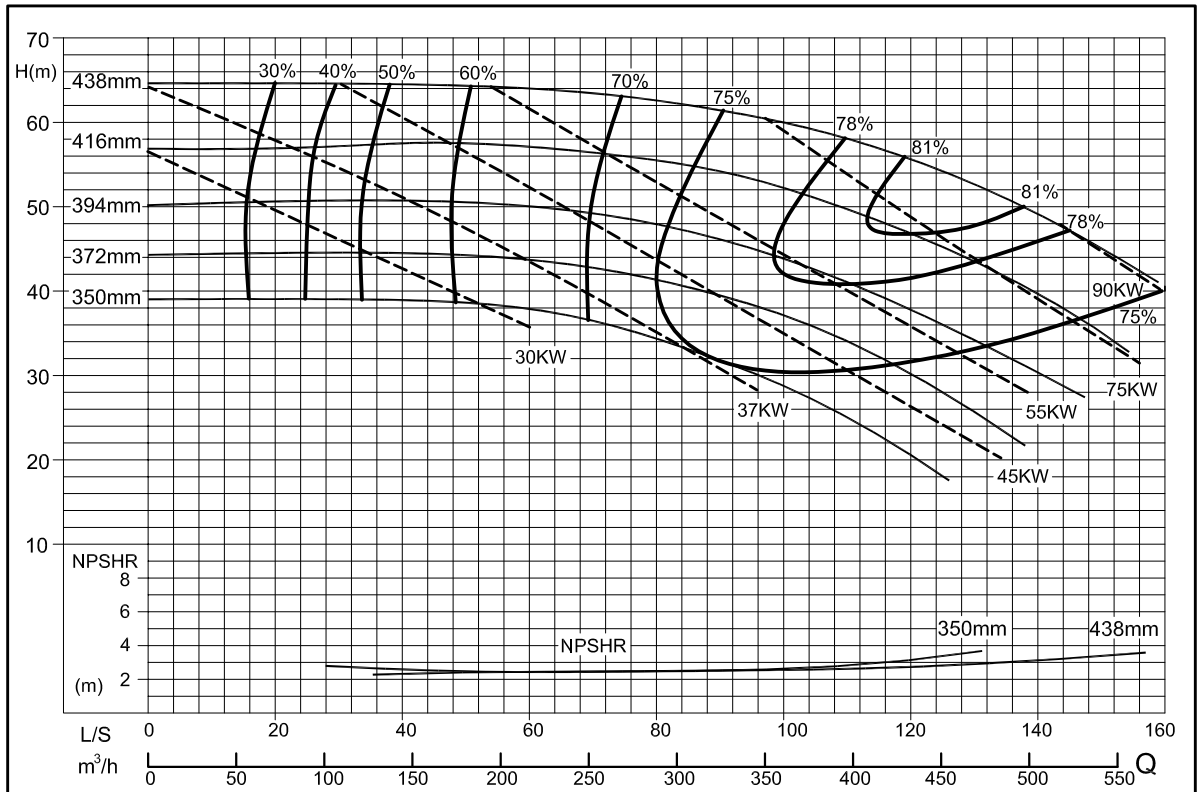
Chemical Process Pump (ISO 2858/5199) Pump Model 150x125-400 Speed 1450rpm Performance Curve 50Hz



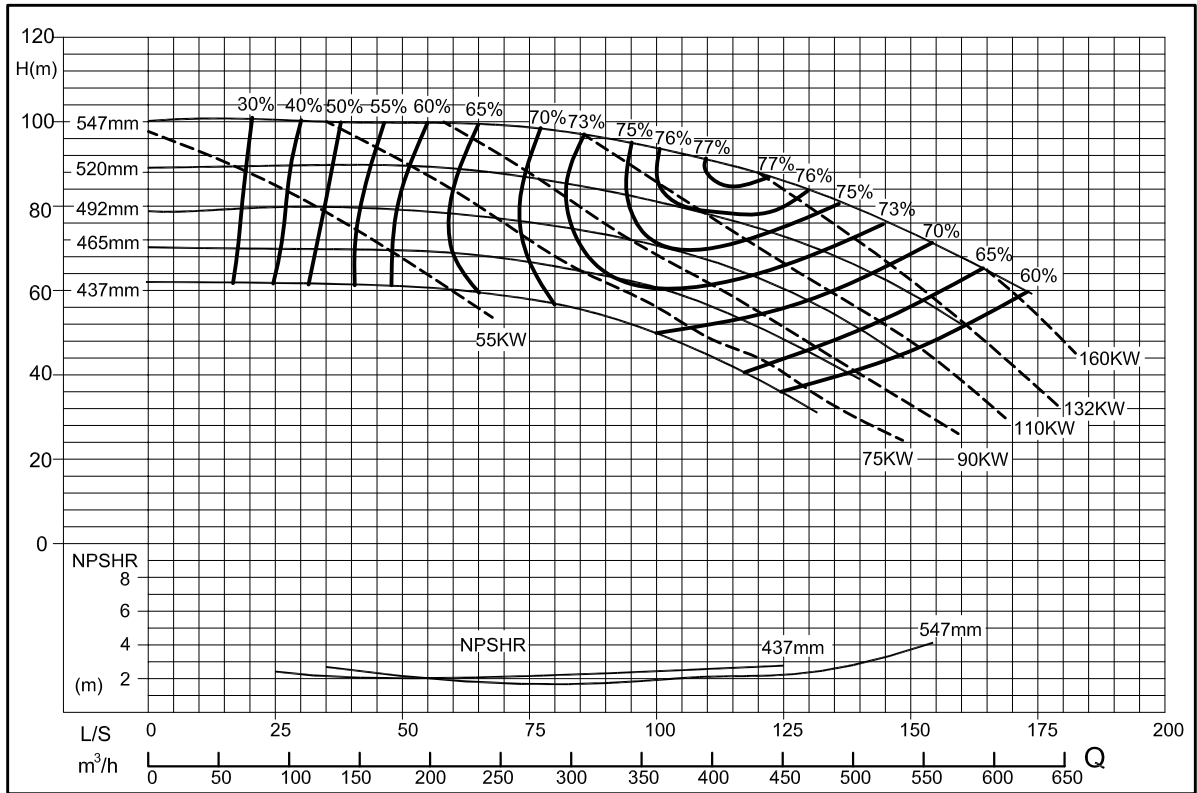
Chemical Process Pump (ISO 2858/5199) Pump Model 150x125-500 Speed 1450rpm Performance Curve 50Hz



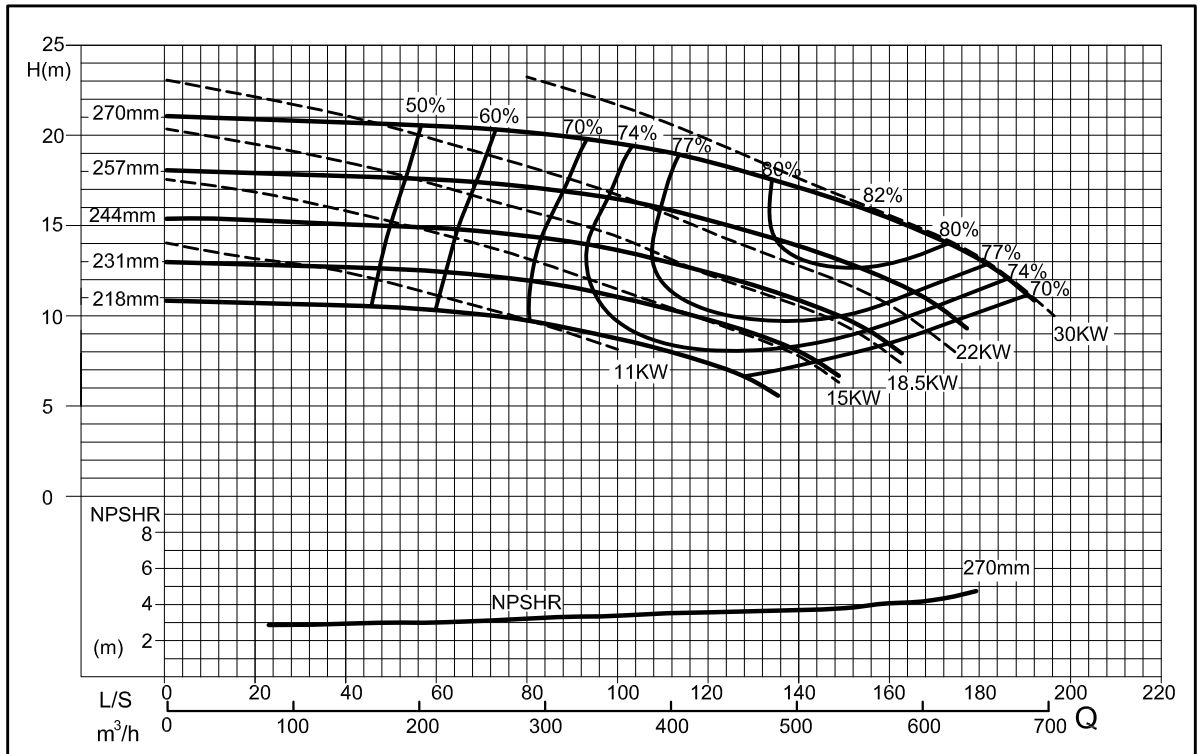
Chemical Process Pump (ISO 2858/5199) Pump Model 200x150-315 Speed 1450rpm Performance Curve 50Hz



Chemical Process Pump (ISO 2858/5199) Pump Model 200x150-400 Speed 1450rpm Performance Curve 50Hz

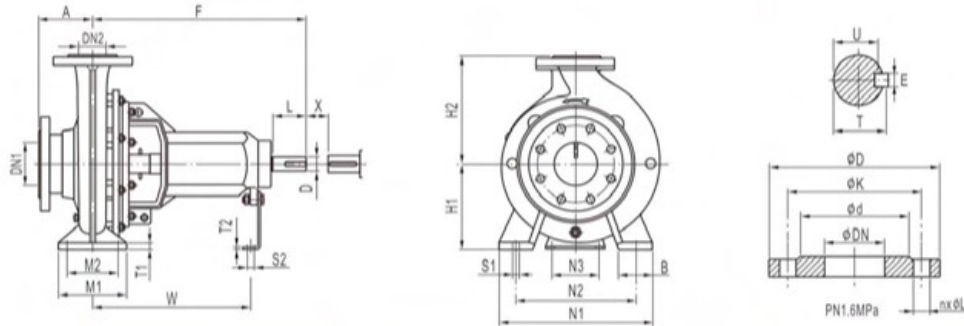


Chemical Process Pump (ISO 2858/5199) Pump Model 200x150-500 Speed 1450rpm Performance Curve 50Hz



Chemical Process Pump (ISO 2858) Pump Model 250x200-200 Speed 1480rpm Performance Curve 50Hz

Dimensions Table



Shaft No.	Flange Size		Pump Dimensions				Foot Dimensions						Bolt Holes		Shaft End					Spacer X ≥	Net. Weight kg								
	DN1	DN2	A	F	H1	H2	B	M1	M2	N1	N2	N3	W	T1	T2	S1	S2	D	L			T	E	U					
1	40	25	80	385	132	160	50	100	70	240	190	110	285	10	6	M12	M12	24	50	27	8	20	100	38					
			100		160	180																		125	95	320	250	12	62
			180		225	240																		190	140	265	212	13	38
2	50	32	80	500	132	160	65	125	95	320	250	110	370	14	6	M12	M12	32	80	35	10	27	100	46					
			100		160	180																		345	280	16	70		
			112		140	210																		160	210	160	10	36	
1	65	40	80	500	132	160	50	100	70	240	190	110	285	11	6	M12	M12	24	50	27	8	20	100	40					
			100		160	180																		265	212	13	40		
			180		225	320																		250	15	72			
2	80	125	500	500	200	250	65	125	95	345	280	110	370	18	6	M12	M12	32	80	35	10	27	100	87					
			225		280	345																		280	18	70			
			225		280	345																		280	18	70			
1	100	50	80	500	132	160	50	100	70	240	190	110	285	11	6	M12	M12	24	50	27	8	20	100	38					
			100		160	180																		265	212	13	46		
			180		225	320																		250	15	72			
2	100	65	100	500	180	225	65	125	95	320	250	110	370	14	6	M12	M12	32	80	35	10	27	100	70					
			125		200	250																		360	280	16	80		
			530		225	280																		400	315	18	118		
2	100	80	100	500	180	200	65	125	95	280	212	110	370	14	6	M12	M12	32	80	35	10	27	100	68					
			530		280	355																		435	355	20	165		
			125		500	200																		280	360	280	17	85	
3	125	100	140	530	250	315	80	160	120	400	315	110	370	18	6	M16	M16	42	110	45	12	37	140	118					
			225		280	360																		280	19	85			
			225		280	360																		280	19	85			
4	125	100	140	530	250	315	80	160	120	400	315	110	370	19	6	M16	M16	42	110	45	12	37	140	126					
			280		355	500																		400	20	135			
			160		670	355																		450	550	450	25	175	
3	150	125	140	530	250	355	80	160	120	400	315	110	370	19	6	M16	M16	42	110	45	12	37	140	140					
			280		315	400																		500	400	20	150		
			315		400	500																		400	21	186			
4	200	150	160	670	355	450	100	200	150	550	450	140	500	25	6	M20	M20	48	110	52	14	43	180	336					
			315		400	500																		500	10	222			
			315		450	500																		500	10	300			
5	250	200	180	885	315	450	150	315	250	760	630	180	670	28	6	M24	M24	65	140	69	18	58	250	490					
			315		450	500																		500	12	277			
			355		500	500																		500	10	340			
4	250	200	180	670	315	450	150	315	250	760	630	180	670	24	6	M24	M24	65	140	69	18	58	250	495					
			315		450	500																		500	12	360			
			355		500	500																		500	12	350			
5	300	250	225	885	450	560	150	315	250	760	630	180	670	28	6	M24	M24	65	140	69	18	58	250	480					
			560		630	630																		500	12	530			
			600		180	315																		250	760	630	12	900	
6	350	300	250	975	500	650	225	360	270	900	750	180	730	24	6	M30	M30	75	170	80	20	68	250	900					
			500		650	225																		360	270	900	750	32	1100

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

DN	25	32	40	50	65	80	100	125	150	200	250	300	350
Ø d	65	76	84	99	118	132	156	184	211	266	319	370	429
Ø K	85	100	110	125	145	160	180	210	240	295	355	410	470
Ø D	115	140	150	165	185	200	220	250	285	340	405	460	520
nxØL	Ø14x4	Ø18x4	Ø18x4	Ø18x4	Ø18x4	Ø18x8	Ø18x8	Ø18x8	Ø22x8	Ø22x12	Ø26x12	Ø26x12	Ø26x16

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



Centrifugal Pump "SMA" with wearing liners

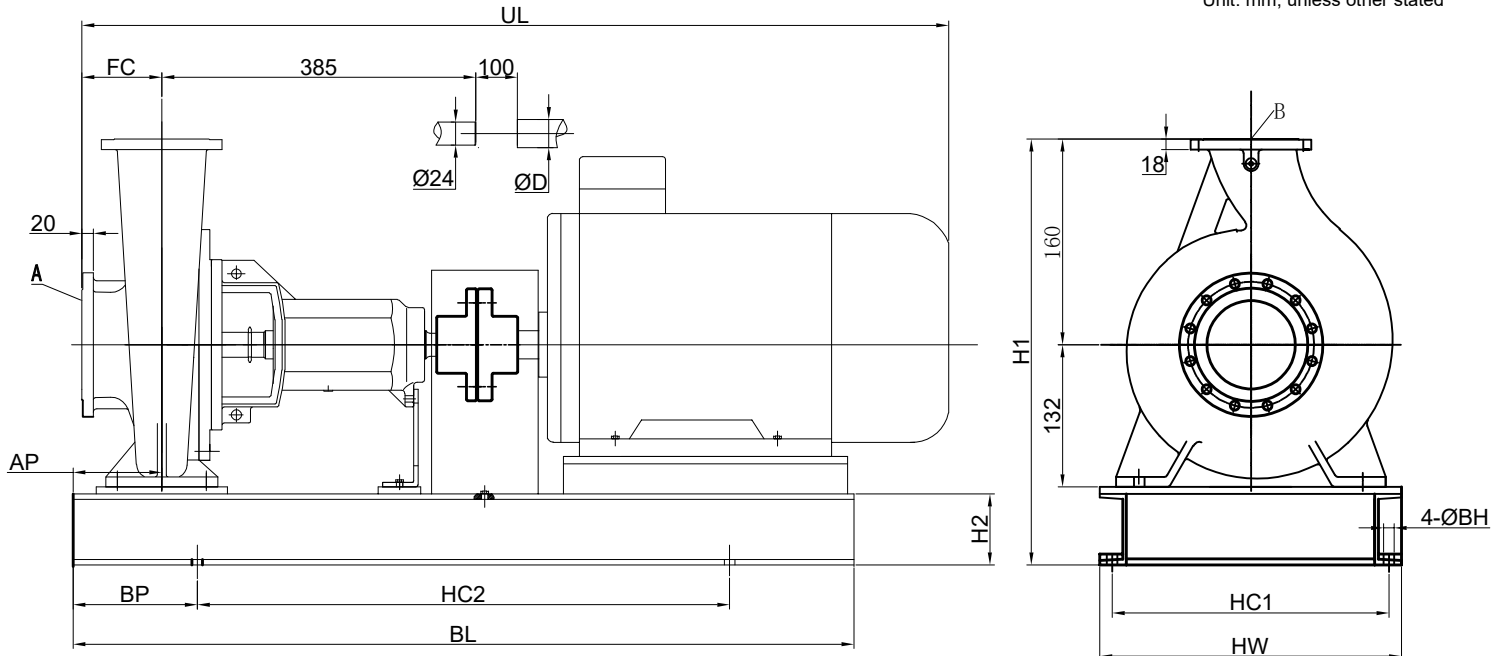
ISO2858/5199 Standard

Type :  
SMA50x32-160

Drawing No.

SMA50x32-160

Unit: mm, unless other stated

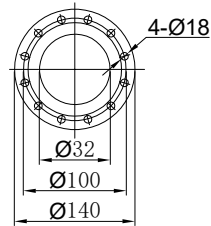
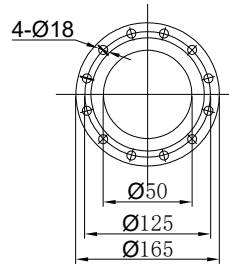


A DN65

B DN32

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB80L1-4	0.55	387	95	320	540	19	360	800	60	130	850	80	20	4-M16X300	106
Y/YB80L2-4	0.75	387	95	320	540	19	360	800	60	130	850	80	20	4-M16X300	108
Y/YB90S-4	1.1	387	95	320	540	24	360	800	60	130	875	80	20	4-M16X300	117
Y/YB90L-4	1.5	387	95	350	600	24	390	900	60	150	900	80	20	4-M16X300	125
Y/YB100L-2	3	387	95	350	600	28	390	900	60	150	945	80	20	4-M16X300	130
Y/YB112M-2	4	387	95	350	660	28	490	900	60	150	965	80	20	4-M16X300	141
Y/YB132S1-2	5.5	407	115	400	660	38	450	1000	60	170	1040	80	25	4-M20X400	177
Y/YB132S2-2	7.5	407	115	400	660	38	450	1000	60	170	1040	80	25	4-M20X400	185
Y/YB160M1-2	11	460	168	440	740	42	490	1120	60	190	1165	80	25	4-M20X400	261

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

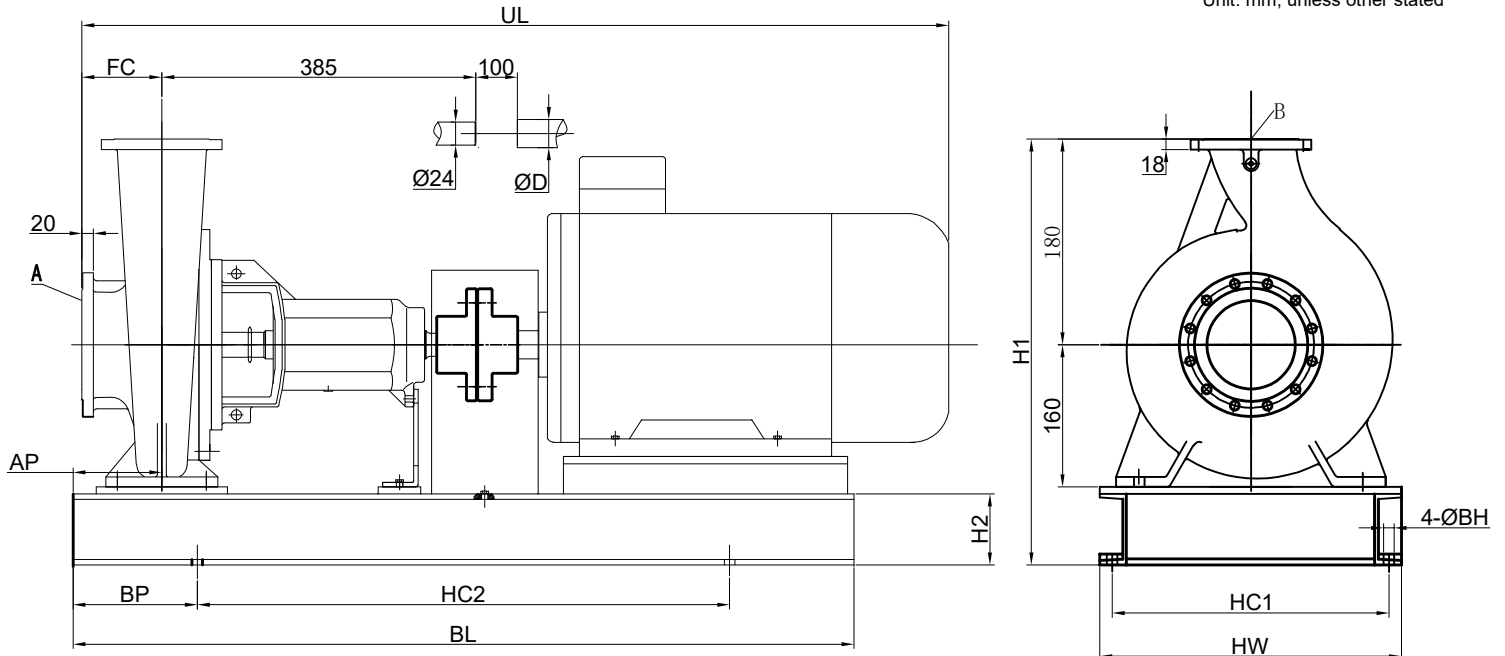
ISO2858/5199 Standard

Type :  
SMA50x32-200

Drawing No.

SMA50x32-200

Unit: mm, unless other stated

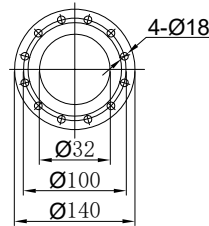
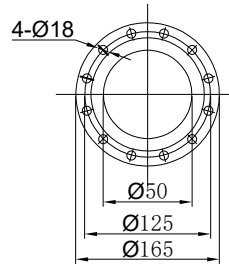


A DN50

B DN32

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



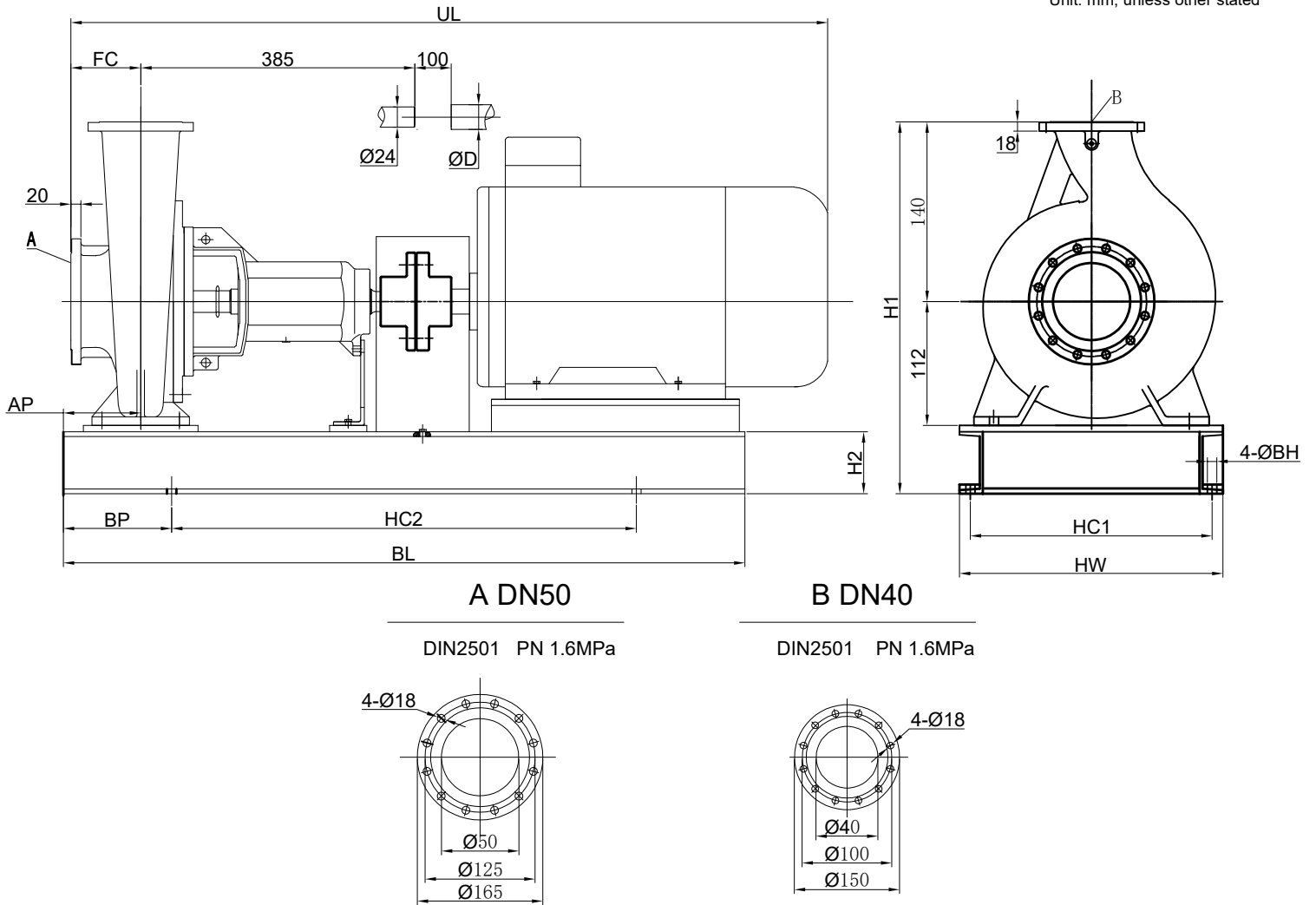
Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB80L1-4	0.55	435	95	320	540	19	360	800	60	130	850	80	20	4-M16X300	110
Y/YB80L2-4	0.75	435	95	320	540	19	360	800	60	130	850	80	20	4-M16X300	112
Y/YB90S-4	1.1	435	95	320	540	24	360	800	60	130	875	80	20	4-M16X300	121
Y/YB90L-4	1.5	435	95	350	600	24	390	900	60	150	900	80	20	4-M16X300	130
Y/YB100L1-4	2.2	435	95	350	600	28	360	900	60	150	945	80	20	4-M16X300	135
Y/YB100L2-4	3	435	95	350	600	28	390	900	60	150	945	80	20	4-M16X300	140
Y/YB132S1-2	5.5	455	115	400	660	38	450	1000	60	170	1040	80	25	4-M20X400	183
Y/YB132S2-2	7.5	455	115	400	660	38	450	1000	60	170	1040	80	25	4-M20X400	191
Y/YB160M1-2	11	480	140	440	740	42	490	1120	60	190	1165	80	25	4-M20X400	264
Y/YB160M2-2	15	480	140	440	740	42	490	1120	60	190	1165	80	25	4-M20X400	276
Y/YB160L-2	18.5	480	140	440	740	42	490	1120	60	190	1210	80	25	4-M20X400	292

Customer

Contract No.

Position No.

Unit: mm, unless other stated



A DN50

DIN2501 PN 1.6MPa

B DN40

DIN2501 PN 1.6MPa

Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB80L1-4	0.55	347	95	320	540	19	360	800	60	130	850	80	20	4-M16X300	98
Y/YB80L2-4	0.75	347	95	320	540	19	360	800	60	130	850	80	20	4-M16X300	100
Y/YB90S-4	1.1	347	95	320	540	24	360	800	60	130	875	80	20	4-M16X300	109
Y/YB90S-2	1.5	347	95	320	540	24	360	800	60	130	875	80	20	4-M16X300	109
Y/YB90L-2	2.2	347	95	350	600	28	390	900	60	150	900	80	20	4-M16X300	117
Y/YB100L-2	3	347	95	350	600	28	390	900	60	150	945	80	20	4-M16X300	122
Y/YB112M-2	4	347	95	350	660	38	390	900	60	150	965	80	20	4-M16X300	133
Y/YB132S1-2	5.5	367	115	400	660	38	450	1000	60	170	1040	80	25	4-M20X400	169
Y/YB132S2-2	7.5	367	115	400	660	42	450	1000	60	170	1040	80	25	4-M20X400	177
Customer											Contract No.				
Position No.															



Centrifugal Pump "SMA" with wearing liners

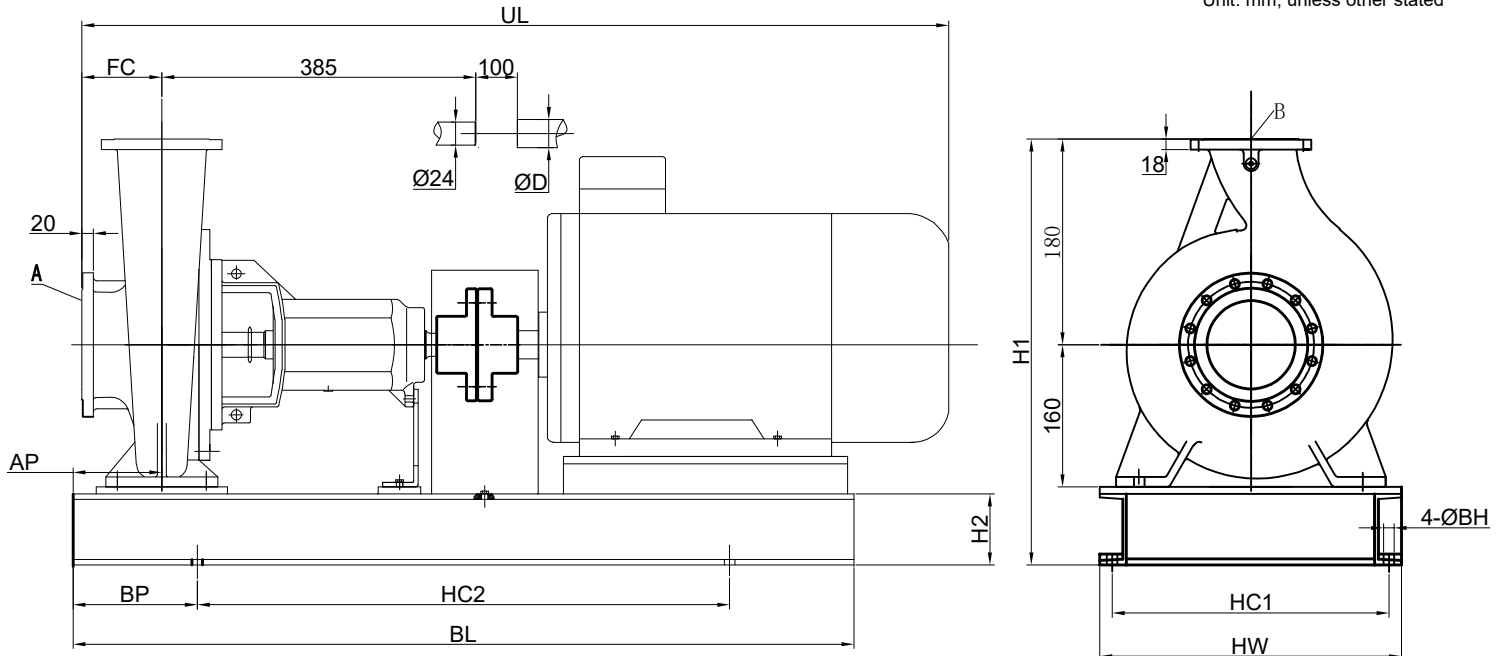
ISO2858/5199 Standard

Type :  
SMA65x40-200

Drawing No.

SMA65x40-200

Unit: mm, unless other stated

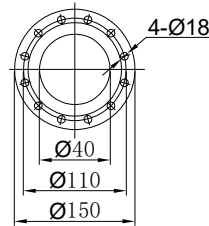
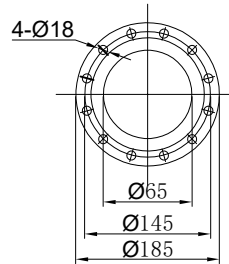


A DN65

B DN40

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB90S-4	1.1	435	95	350	600	24	390	900	60	150	895	100	25	4-M16X300	128
Y/YB90L2-4	1.5	435	95	350	600	24	390	900	60	150	920	100	25	4-M16X300	132
Y/YB100L1-4	2.2	435	95	350	600	28	390	900	60	150	965	100	25	4-M16X300	137
Y/YB100L2-4	3	435	95	350	600	28	390	900	60	150	965	100	25	4-M16X300	142
Y/YB112M-4	4	435	95	350	600	28	390	900	60	150	985	100	25	4-M16X300	153
Y/YB132S2-2	7.5	435	115	400	660	38	450	1000	60	170	1060	100	25	4-M20X400	193
Y/YB160M1-2	11	480	140	440	740	42	490	1120	60	190	1185	100	25	4-M20X400	266
Y/YB160M2-2	15	480	140	440	740	42	490	1120	60	190	1185	100	25	4-M20X400	278
Y/YB160L-2	18.5	480	140	440	740	42	490	1120	60	190	1230	100	25	4-M20X400	294
Y/YB180M-2	22	500	160	440	740	48	490	1120	60	190	1255	100	25	4-M20X400	346
Y/YB200L1-2	30	520	180	490	840	55	540	1250	60	205	1364	100	30	4-M20X400	429
Customer												Contract No.			
Position No.															



Centrifugal Pump "SMA" with wearing liners

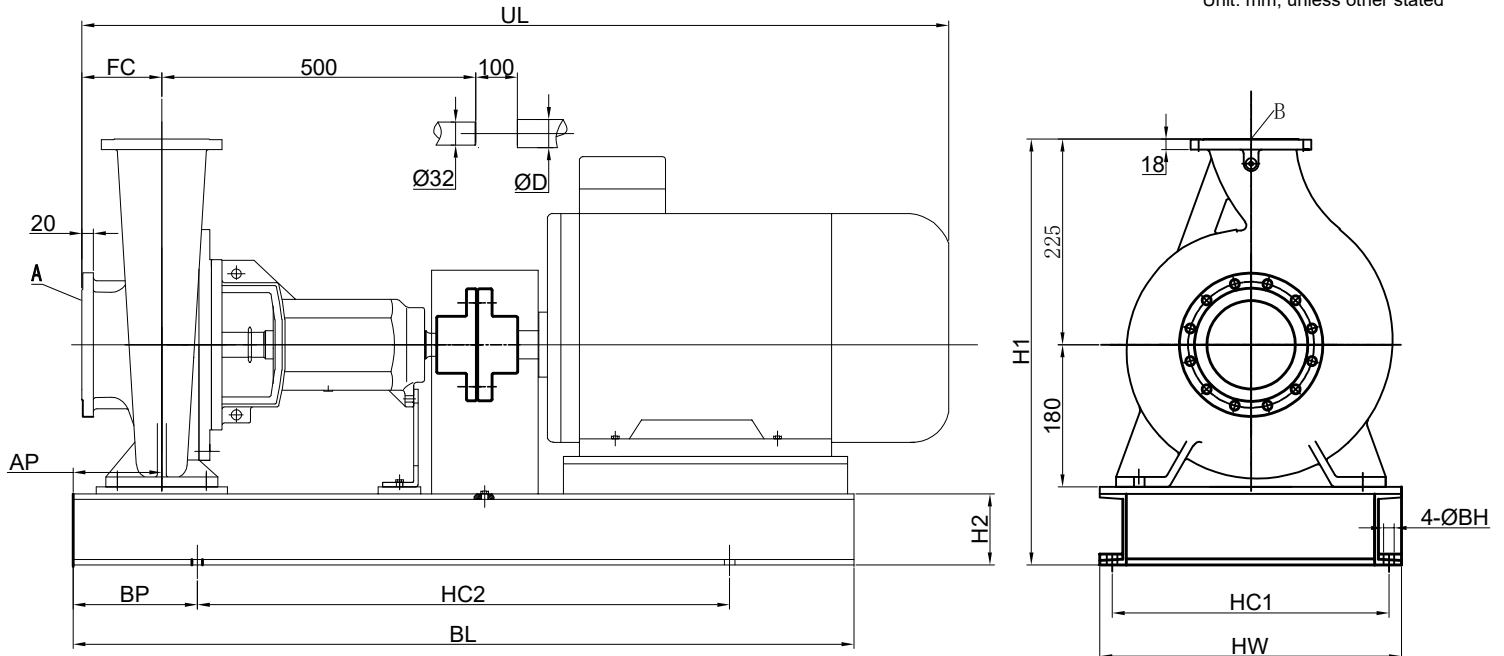
ISO2858/5199 Standard

Type :  
SMA65x40-250

Drawing No.

SMA65x40-250

Unit: mm, unless other stated

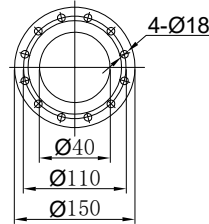
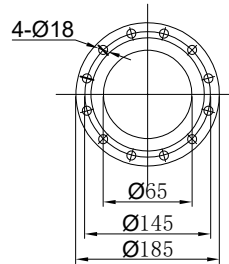


A DN65

B DN40

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB90L2-4	1.5	520	115	400	660	24	450	1000	75	170	1035	100	25	4-M20X400	180
Y/YB100L1-4	2.2	520	115	400	660	28	450	1000	75	170	1080	100	25	4-M20X400	186
Y/YB100L2-4	3	520	115	400	660	28	450	1000	75	170	1080	100	25	4-M20X400	190
Y/YB112M-4	4	520	115	400	660	28	450	1000	75	170	1100	100	25	4-M20X400	201
Y/YB132S-4	5.5	545	140	440	740	38	490	1120	75	190	1175	100	25	4-M20X400	239
Y/YB132M-4	7.5	545	140	440	740	38	490	1120	75	190	1215	100	25	4-M20X400	258
Y/YB160M1-2	11	545	140	490	840	42	540	1250	75	205	1300	100	25	4-M20X400	313
Y/YB160M2-2	15	545	140	490	840	42	540	1250	75	205	1300	100	25	4-M20X400	325
Y/YB160L-2	18.5	545	145	490	840	42	540	1250	75	205	1345	100	25	4-M20X400	341
Y/YB180M-2	22	545	180	490	840	48	540	1250	75	205	1370	100	25	4-M20X400	384
Y/YB200L1-2	30	585	180	550	940	55	610	1400	75	230	1479	100	30	4-M24X500	485
Y/YB200L2-2	37	585	180	550	940	55	610	1400	75	230	1479	100	30	4-M24X500	500
Y/YB225M-2	45	610	205	550	940	55	610	1400	75	230	1515	100	30	4-M24X500	597

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

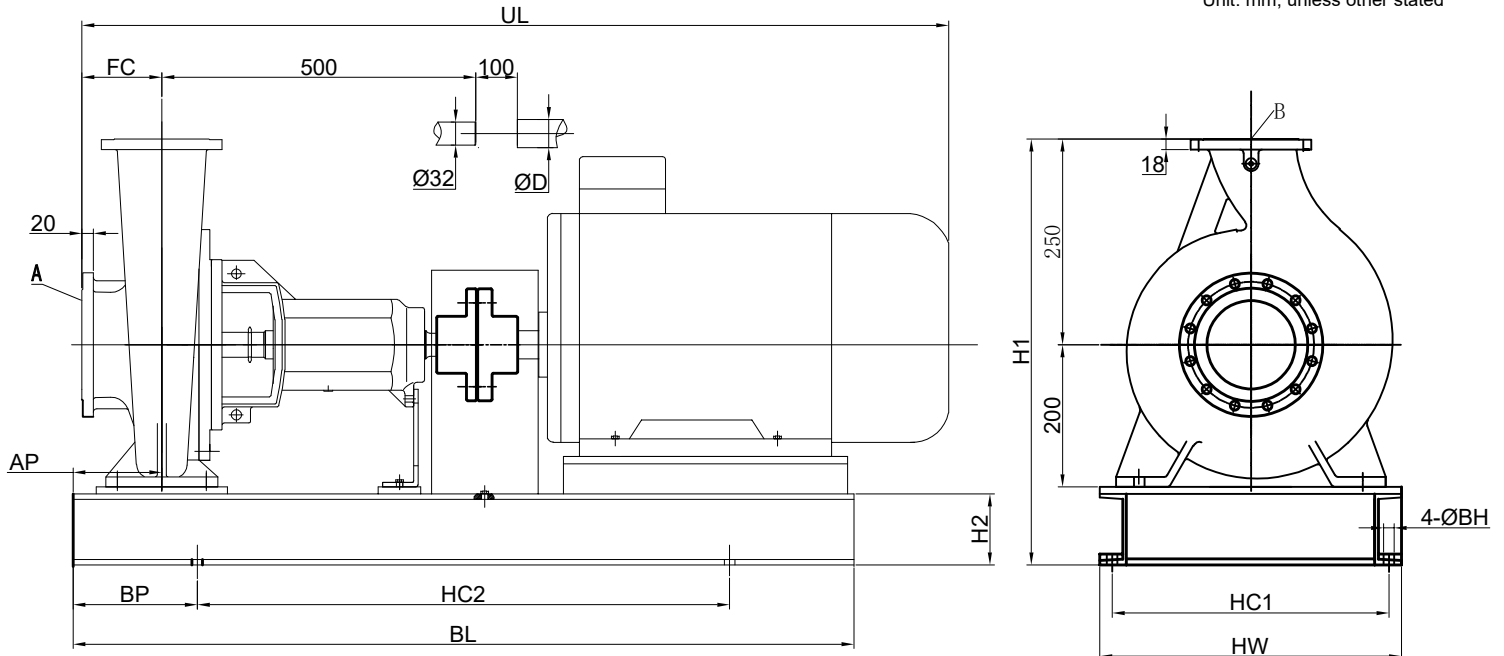
ISO2858/5199 Standard

Type :  
SMA65x40-315

Drawing No.

SMA65x40-315

Unit: mm, unless other stated

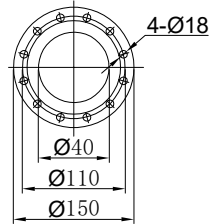
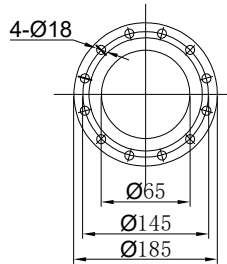


A DN65

B DN40

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB100L2-4	3	590	140	440	740	28	490	1120	75	190	1105	125	25	4-M20X400	220
Y/YB112M-4	4	590	140	440	740	28	490	1120	75	190	1125	125	25	4-M20X400	232
Y/YB132S-4	5.5	590	140	440	740	38	490	1120	75	190	1200	125	25	4-M20X400	253
Y/YB132M-4	7.5	590	140	440	740	38	490	1120	75	190	1240	125	25	4-M20X400	272
Y/YB160M-4	11	590	140	490	840	42	540	1250	75	205	1325	125	25	4-M20X400	333
Y/YB180M-2	22	590	140	490	840	48	540	1250	75	205	1395	125	25	4-M20X400	403
Y/YB200L1-2	30	610	160	550	940	55	610	1400	75	230	1504	125	30	4-M24X500	498
Y/YB200L2-2	37	610	160	550	940	55	610	1400	75	230	1504	125	30	4-M24X500	513
Y/YB225M-2	45	635	185	550	940	55	610	1400	75	230	1540	125	30	4-M24X500	606
Y/YB250M-2	55	685	235	600	1060	60	660	1600	75	270	1655	125	30	4-M24X500	711
Y/YB280S-2	75	715	265	600	1060	65	660	1600	75	270	1725	125	30	4-M24X500	884
Y/YB280M-2	90	715	265	670	1200	65	730	1800	75	300	1725	125	30	4-M24X500	1012

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

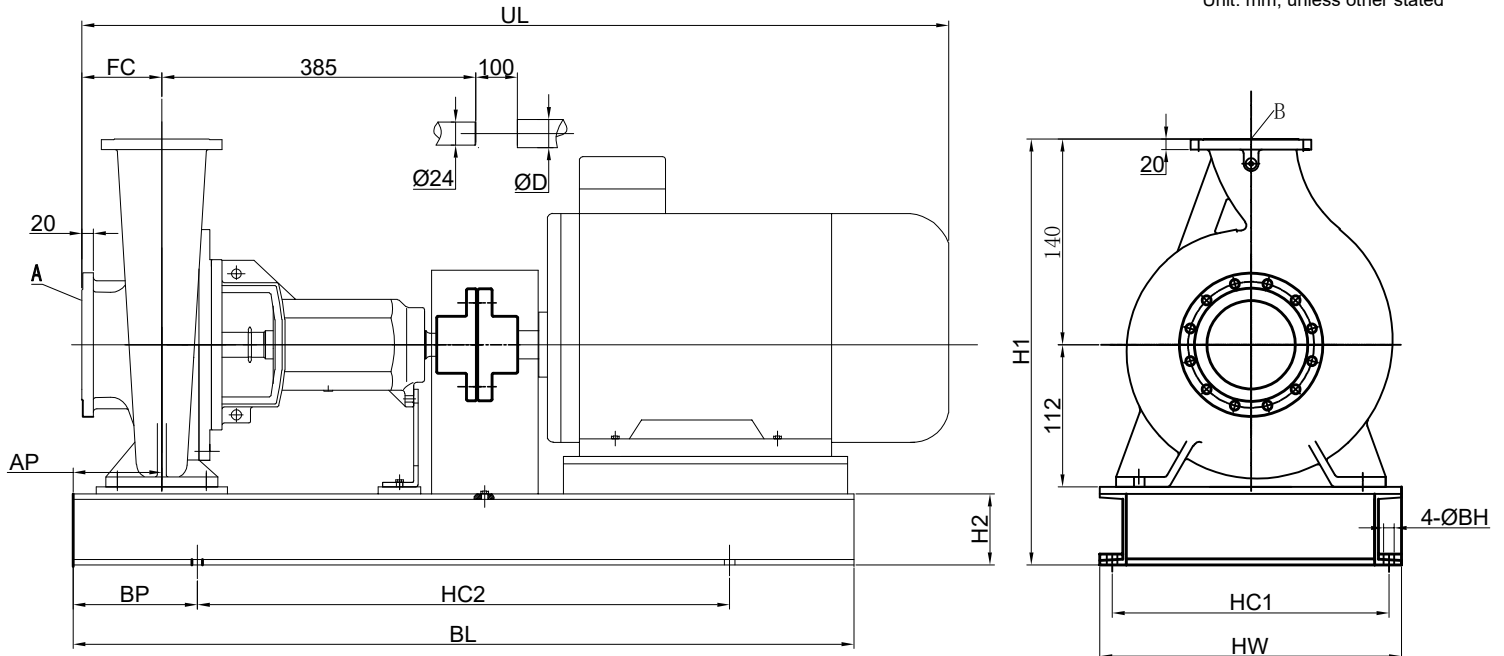
ISO2858/5199 Standard

Type :  
SMA65x50-125

Drawing No.

SMA65x50-125

Unit: mm, unless other stated

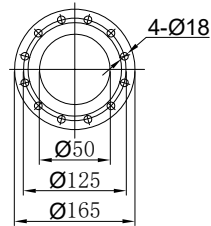
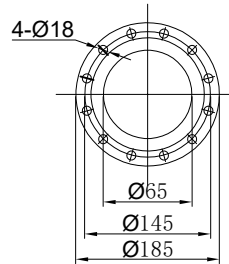


A DN65

B DN50

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB80L1-4	0.55	347	95	320	540	19	360	800	60	130	850	80	20	4-M16X300	100
Y/YB80L2-4	0.75	347	95	320	540	19	360	800	60	130	850	80	20	4-M16X300	102
Y/YB90S-4	1.1	347	95	320	540	24	360	800	60	130	875	80	20	4-M16X300	111
Y/YB90L2-4	1.5	347	95	320	540	24	390	800	60	130	900	80	20	4-M16X300	119
Y/YB100L-2	3	347	95	350	600	28	390	900	60	150	945	80	20	4-M16X300	124
Y/YB112M-2	4	367	115	350	600	28	390	900	60	150	965	80	20	4-M16X300	135
Y/YB132S1-2	5.5	367	115	400	660	38	450	1000	60	170	1040	80	25	4-M20X400	171
Y/YB132S2-2	7.5	367	115	400	660	38	450	1000	60	170	1040	80	25	4-M20X400	179
Y/YB160M1-2	11	460	208	440	740	42	490	1120	60	190	1165	80	25	4-M20X400	255
Customer												Contract No.			
Position No.															



Centrifugal Pump "SMA" with wearing liners

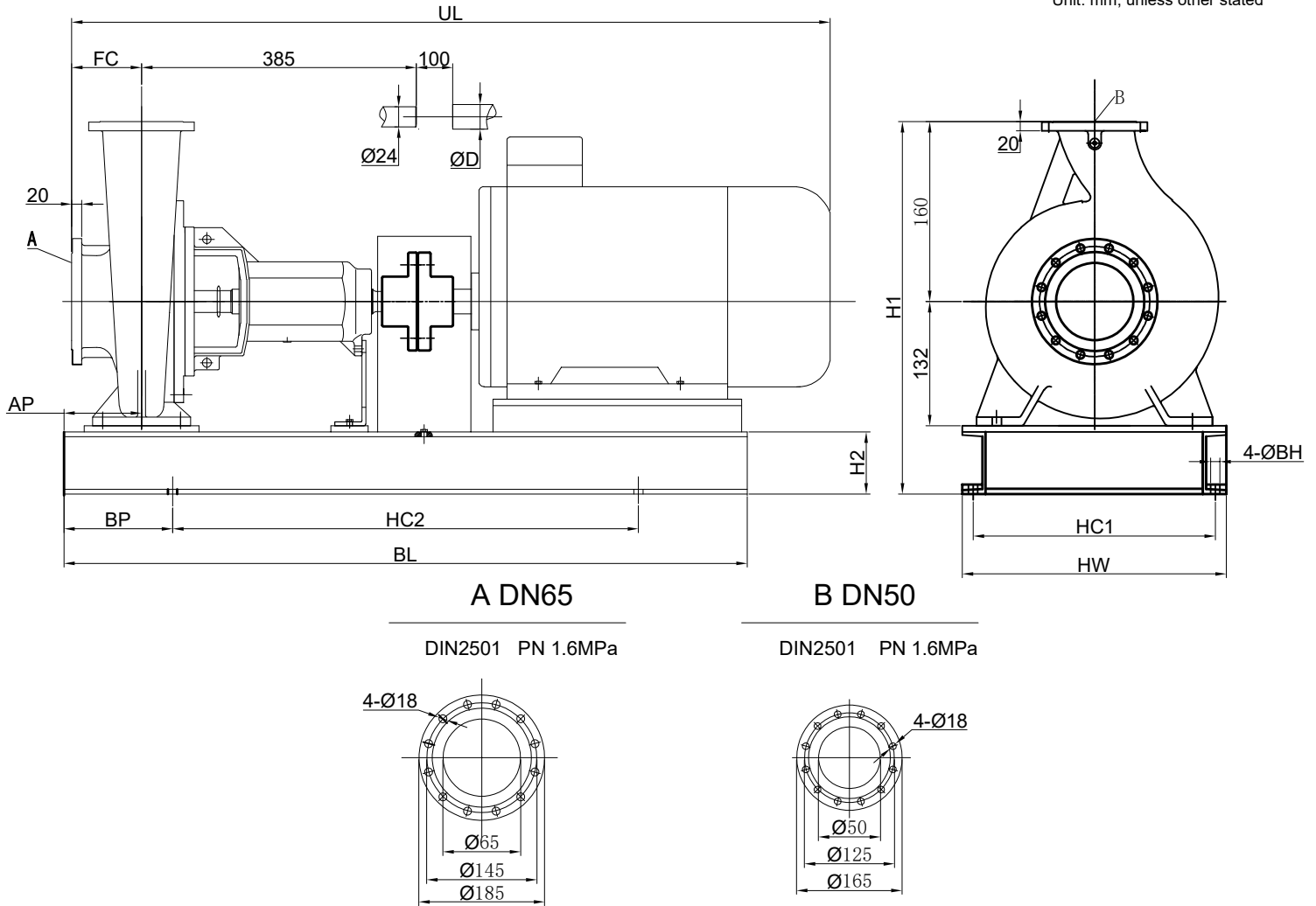
ISO2858/5199 Standard

Type :  
SMA65x50-160

Drawing No.

SMA65x50-160

Unit: mm, unless other stated



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB80L1-4	0.55	387	95	320	540	19	360	800	60	130	850	80	20	4-M16X300	107
Y/YB80L2-4	0.75	387	95	320	540	19	360	800	60	130	850	80	20	4-M16X300	109
Y/YB90S-4	1.1	387	95	320	540	24	360	800	60	130	875	80	20	4-M16X300	118
Y/YB90L2-4	1.5	387	95	350	600	24	390	900	60	150	900	80	20	4-M16X300	126
Y/YB100L1-4	2.2	387	95	350	600	28	390	900	60	150	945	80	20	4-M16X300	131
Y/YB112M-2	4	387	95	350	600	28	390	900	60	150	965	80	20	4-M16X300	142
Y/YB132S1-2	5.5	407	115	400	660	38	450	1000	60	170	1040	80	25	4-M20X400	178
Y/YB132S2-2	7.5	407	115	400	660	38	450	1000	60	170	1040	80	25	4-M20X400	186
Y/YB160M1-2	11	460	208	440	740	42	490	1120	60	190	1165	80	25	4-M20X400	262
Y/YB160M2-2	15	460	208	440	740	42	490	1120	60	190	1165	80	25	4-M20X400	274
Customer												Contract No.			
Position No.															

Customer												Contract No.			
Position No.															



Centrifugal Pump "SMA" with wearing liners

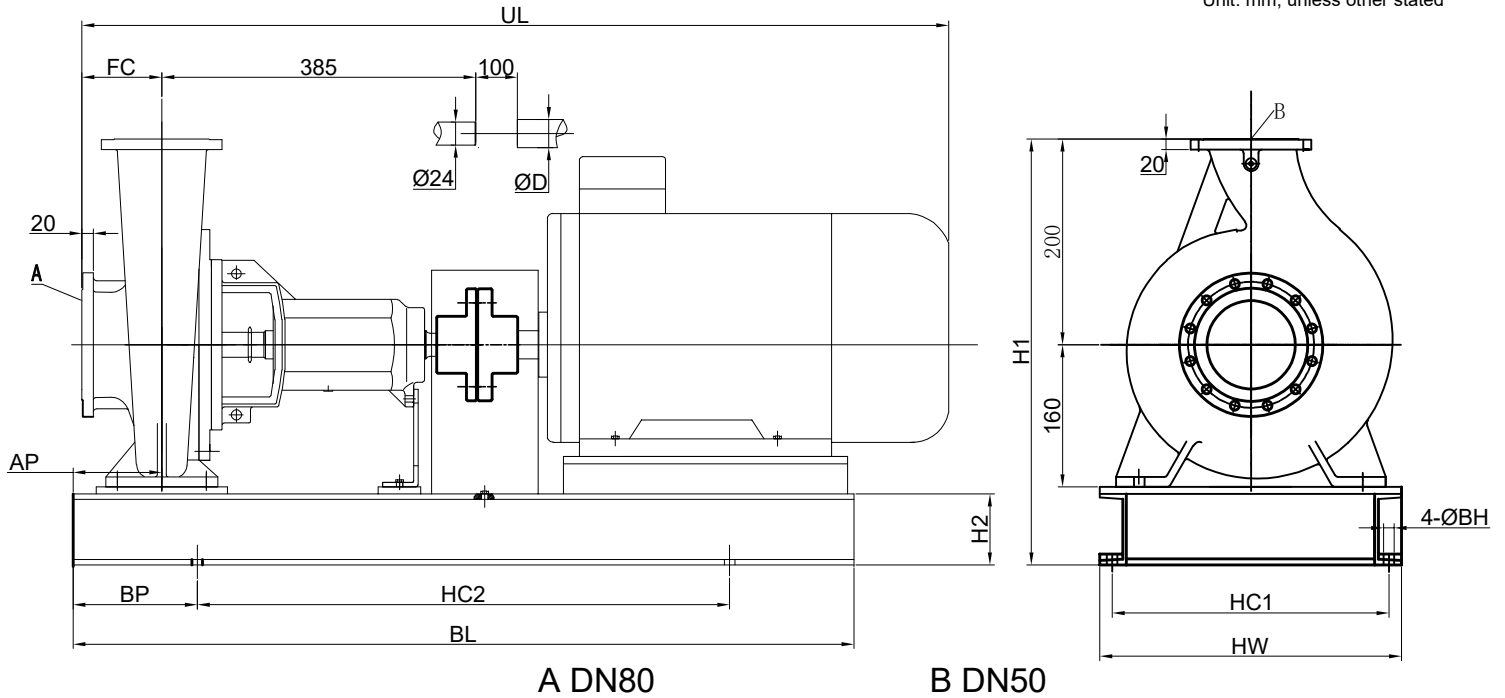
ISO2858/5199 Standard

Type :  
SMA80x50-200

Drawing No.

SMA80x50-200

Unit: mm, unless other stated

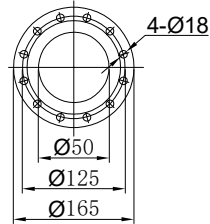
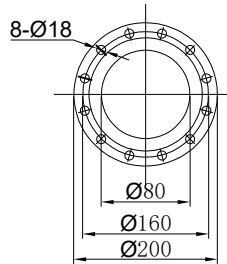


A DN80

B DN50

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB90L2-4	1.5	455	95	350	600	24	390	900	60	150	920	100	20	4-M16X300	134
Y/YB100L1-4	2.2	455	95	350	600	28	390	900	60	150	965	100	20	4-M16X300	139
Y/YB100L2-4	3	455	95	350	600	28	390	900	60	150	965	100	20	4-M16X300	144
Y/YB112M-4	4	455	95	350	600	28	390	900	60	150	985	100	20	4-M16X300	155
Y/YB132S-4	5.5	475	115	400	660	38	450	1000	60	170	1060	100	25	4-M20X400	188
Y/YB160M1-2	11	500	140	440	740	42	490	1120	60	190	1185	100	25	4-M20X400	268
Y/YB160M2-2	15	500	140	440	740	42	490	1120	60	190	1185	100	25	4-M20X400	280
Y/YB160L-2	18.5	500	140	440	740	42	490	1120	60	190	1230	100	25	4-M20X400	296
Y/YB180M-2	22	520	160	440	740	48	490	1120	60	190	1255	100	25	4-M20X400	348
Y/YB200L1-2	30	540	180	490	840	55	540	1250	60	205	1364	100	25	4-M20X400	426
Customer												Contract No.			
Position No.															



Centrifugal Pump "SMA" with wearing liners

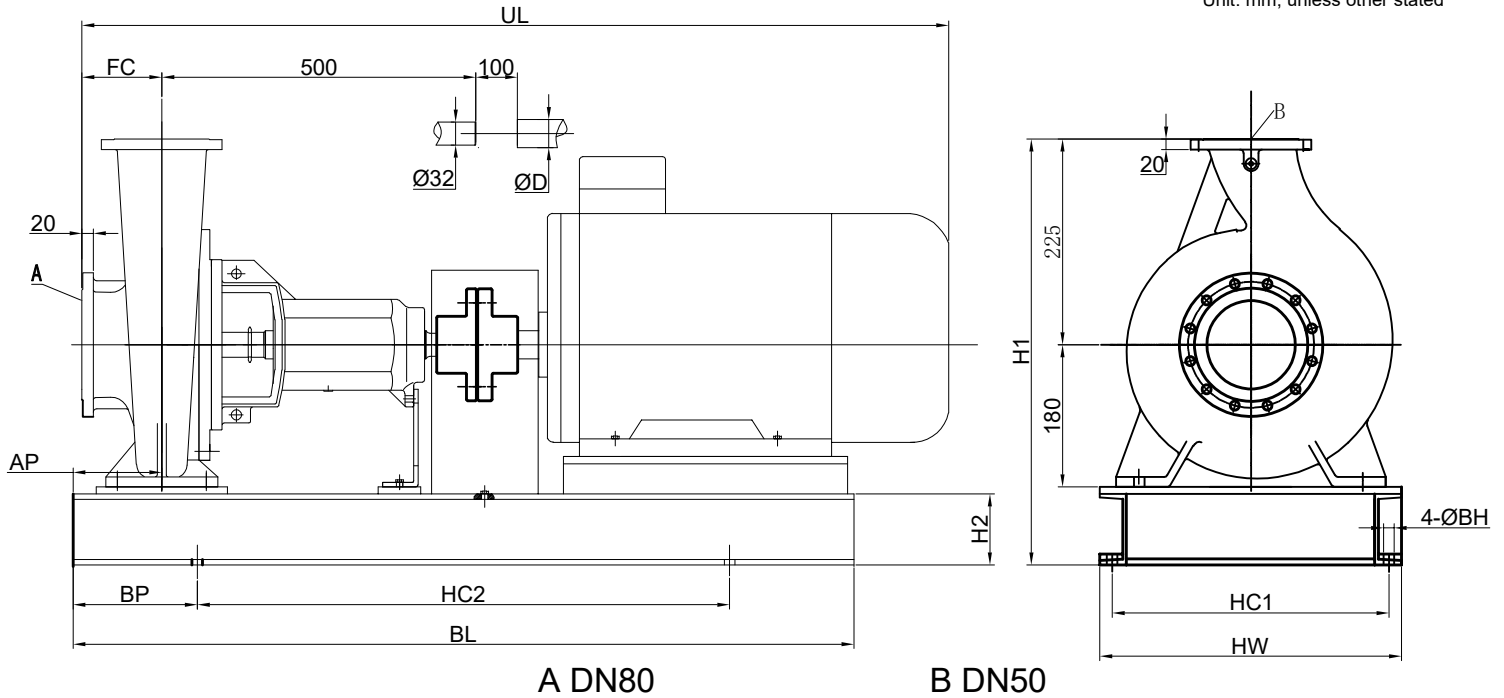
ISO2858/5199 Standard

Type :  
SMA80x50-250

Drawing No.

SMA80x50-250

Unit: mm, unless other stated

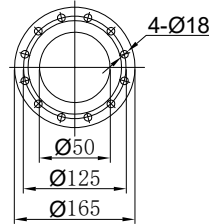
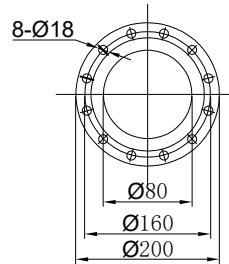


A DN80

B DN50

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB100L2-4	3	520	115	400	660	28	450	1000	75	170	1105	125	25	4-M20X400	186
Y/YB112M-4	4	520	115	400	660	28	450	1000	75	170	1125	125	25	4-M20X400	197
Y/YB132S-4	5.5	545	140	400	740	38	490	1120	75	190	1200	125	25	4-M20X400	235
Y/YB132M-4	7.5	545	140	440	740	38	490	1120	75	190	1240	125	25	4-M20X400	254
Y/YB160M-4	11	545	140	490	840	42	540	1250	75	205	1325	125	25	4-M20X400	319
Y/YB180M-2	22	545	140	490	840	48	540	1250	75	205	1395	125	25	4-M20X400	380
Y/YB200L1-2	30	585	180	550	940	55	610	1400	75	230	1504	125	30	4-M24X500	481
Y/YB200L2-2	37	585	180	550	940	55	610	1400	75	230	1504	125	30	4-M24X500	496
Y/YB225M-2	45	610	205	550	940	55	610	1400	75	230	1540	125	30	4-M24X500	593
Y/YB250M-2	55	660	255	600	1060	60	660	1600	75	270	1655	125	30	4-M24X500	698
Y/YB280S-2	75	690	285	600	1060	65	660	1600	75	270	1725	125	30	4-M24X500	871
Customer												Contract No.			
Position No.															



Centrifugal Pump "SMA" with wearing liners

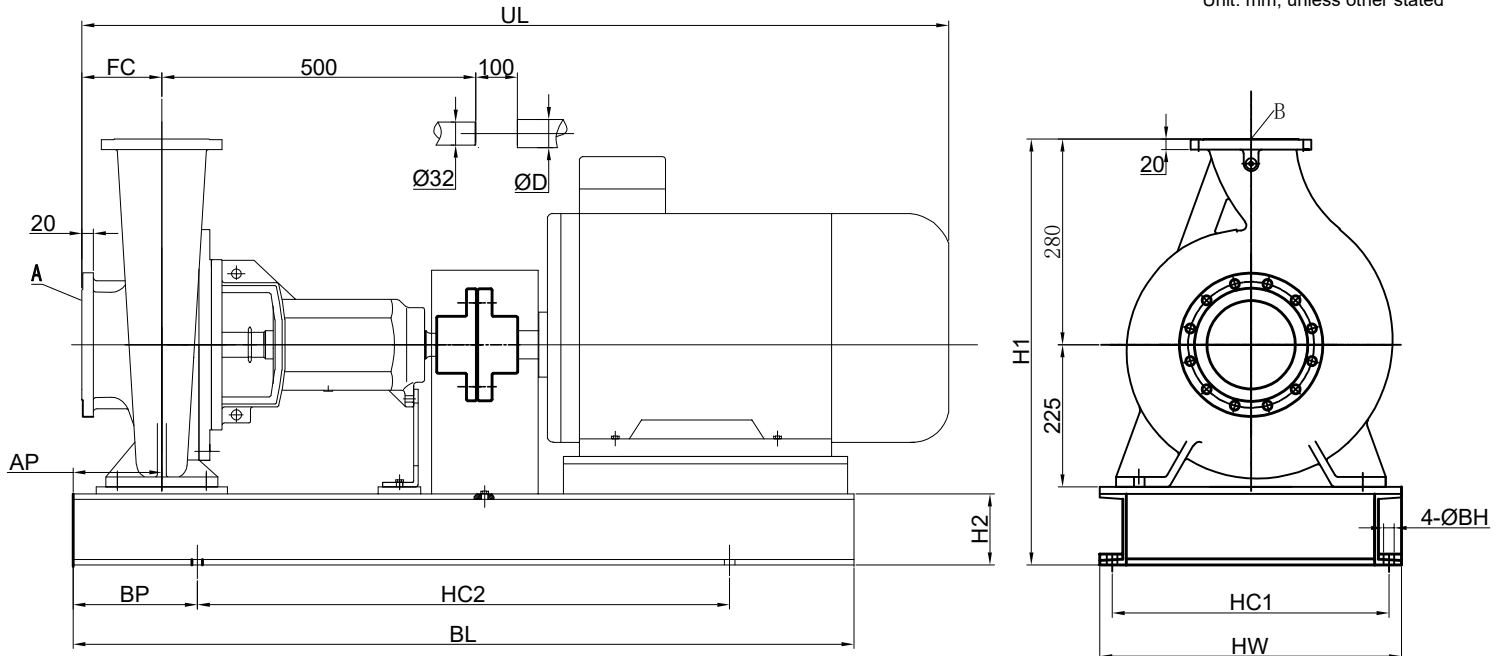
ISO2858/5199 Standard

Type :  
SMA80x50-315

Drawing No.

SMA80x50-315

Unit: mm, unless other stated

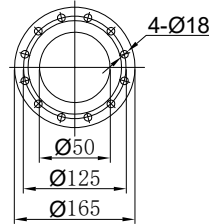
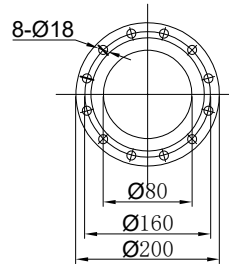


A DN80

B DN50

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB112M-4	4	645	140	440	740	28	490	1120	75	190	1125	125	25	4-M20X400	246
Y/YB132S-4	5.5	645	140	440	740	38	490	1120	75	190	1200	125	25	4-M20X400	265
Y/YB132M-4	7.5	645	140	440	740	38	490	1120	75	190	1240	125	25	4-M20X400	284
Y/YB160M-4	11	645	140	490	840	42	540	1250	75	205	1325	125	25	4-M20X400	349
Y/YB180L-4	15	645	140	490	840	42	540	1250	75	205	1370	125	25	4-M20X400	367
Y/YB180M-4	18.5	645	140	490	840	48	540	1250	75	205	1395	125	25	4-M20X400	416
Y/YB200L1-2	30	665	160	550	940	55	610	1400	75	230	1504	125	30	4-M24X500	510
Y/YB200L2-2	37	665	160	550	940	55	610	1400	75	230	1504	125	30	4-M24X500	525
Y/YB225M-2	45	665	160	550	940	55	610	1400	75	230	1540	125	30	4-M24X500	620
Y/YB250M-2	55	715	210	600	1060	60	660	1600	75	270	1655	125	30	4-M24X500	720
Y/YB280S-2	75	745	240	670	1200	65	730	1800	75	300	1725	125	30	4-M24X500	920
Y/YB280M-2	90	745	240	670	1200	65	730	1800	75	300	1775	125	30	4-M24X500	1023

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

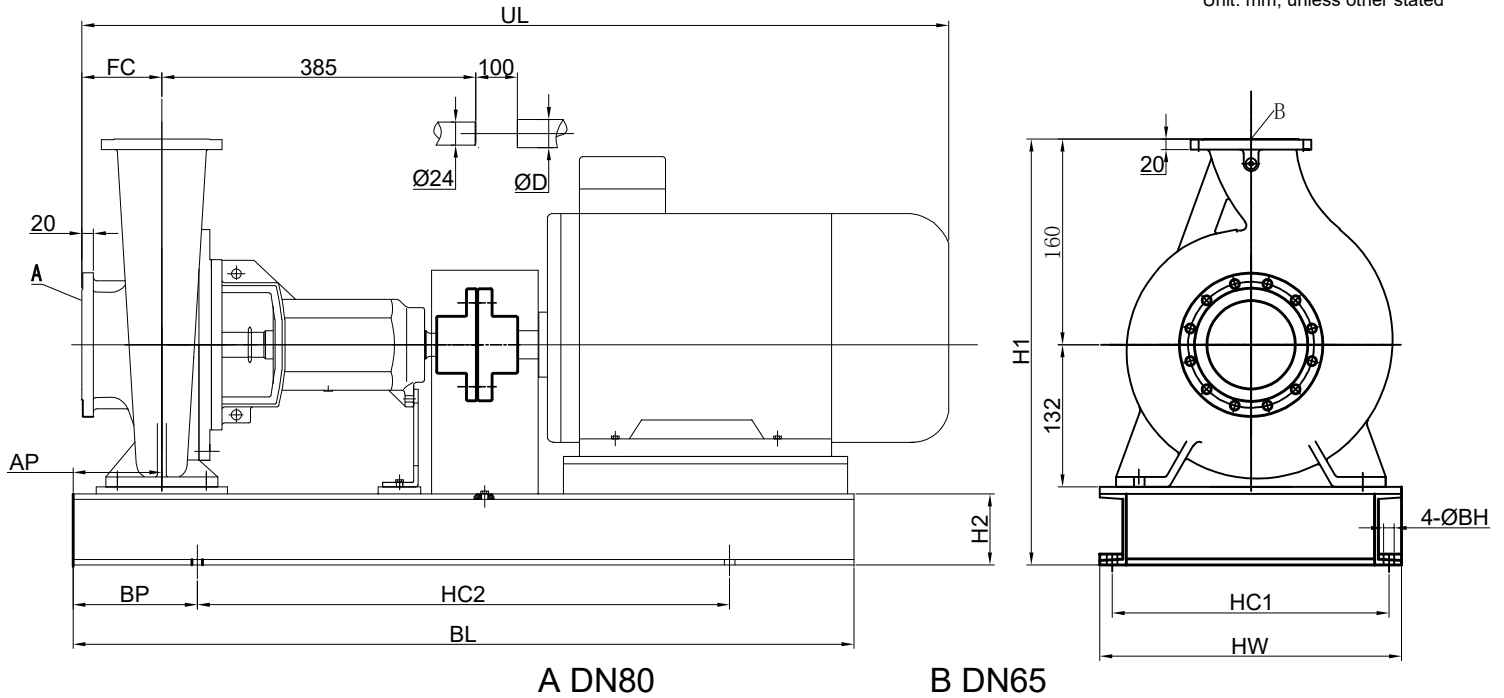
ISO2858/5199 Standard

Type :  
SMA80x65-125

Drawing No.

SMA80x65-125

Unit: mm, unless other stated

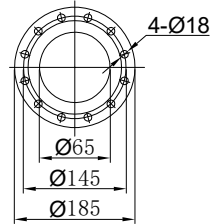
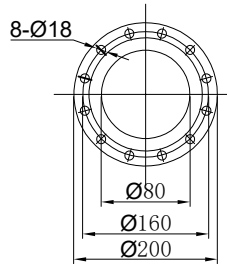


A DN80

B DN65

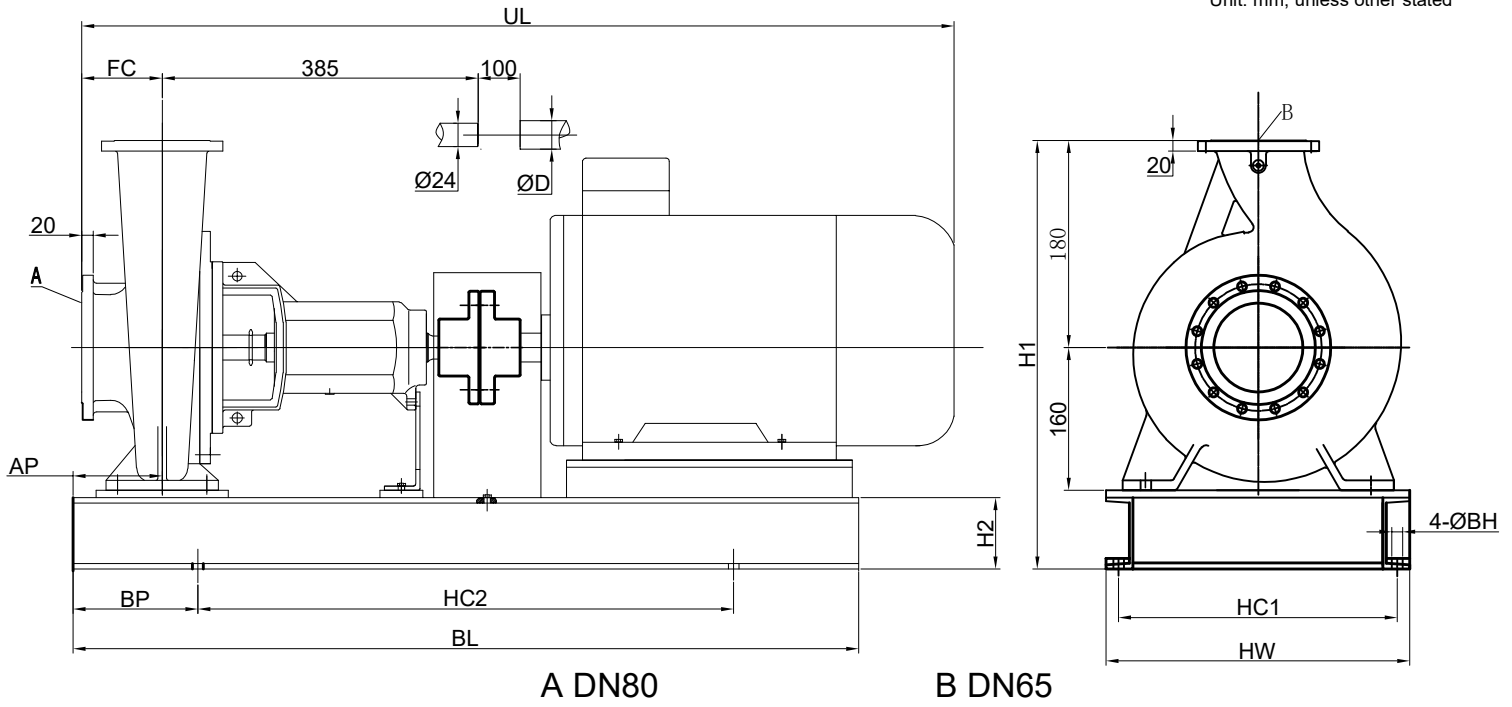
DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



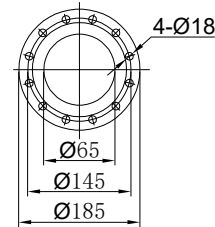
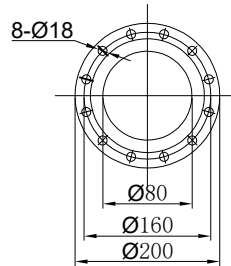
Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB80-4	0.75	387	95	320	540	19	360	800	60	130	870	100	20	4-M16X300	108
Y/YB90S-4	1.1	387	95	320	540	24	360	800	60	130	895	100	20	4-M16X300	117
Y/YB90L-4	1.5	387	95	350	600	24	390	900	60	150	920	100	20	4-M16X300	125
Y/YB100L1-4	2.2	387	95	350	600	28	390	900	60	150	965	100	20	4-M16X300	130
Y/YB132S1-2	5.5	407	115	400	660	38	450	1000	60	170	1060	100	25	4-M24X400	177
Y/YB132S2-2	7.5	407	115	400	660	38	450	1000	60	170	1060	100	25	4-M24X400	185
Y/YB160M1-2	11	460	168	440	740	42	490	1120	60	190	1185	100	25	4-M24X400	261
Y/YB160M2-2	15	460	168	440	740	42	490	1120	60	190	1185	100	25	4-M24X400	273
Y/YB160L-2	18.5	460	168	440	740	42	490	1120	60	190	1230	100	25	4-M24X400	289
Customer												Contract No.			
Position No.															

Unit: mm, unless other stated



DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB80-4	0.75	435	95	350	600	19	390	900	60	150	870	100	20	4-M16X300	122
Y/YB90S-4	1.1	435	95	350	600	24	390	900	60	150	895	100	20	4-M16X300	130
Y/YB90L-4	1.5	435	95	350	600	24	390	900	60	150	920	100	20	4-M16X300	134
Y/YB100L1-4	2.2	435	95	350	600	28	390	900	60	150	965	100	20	4-M16X300	139
Y/YB100L2-4	3	435	95	350	600	28	390	900	60	150	965	100	20	4-M16X300	144
Y/YB132S1-2	5.5	455	115	400	660	38	450	1000	60	170	1060	100	25	4-M20X400	188
Y/YB132S2-2	7.5	480	115	400	660	38	450	1000	60	170	1060	100	25	4-M20X400	203
Y/YB160M1-2	11	480	140	440	740	42	490	1120	60	190	1185	100	25	4-M20X400	268
Y/YB160M2-2	15	460	140	440	740	42	490	1120	60	190	1185	100	25	4-M20X400	280
Y/YB160L-2	18.5	480	140	440	740	42	490	1120	60	190	1230	100	25	4-M20X400	296
Y/YB180M-2	22	500	160	440	740	48	490	1120	60	190	1255	100	25	4-M20X400	348
Y/YB200L-2	30	520	180	490	840	55	540	1250	60	205	1364	100	25	4-M20X400	431
Customer												Contract No.			
Position No.															



Centrifugal Pump "SMA" with wearing liners

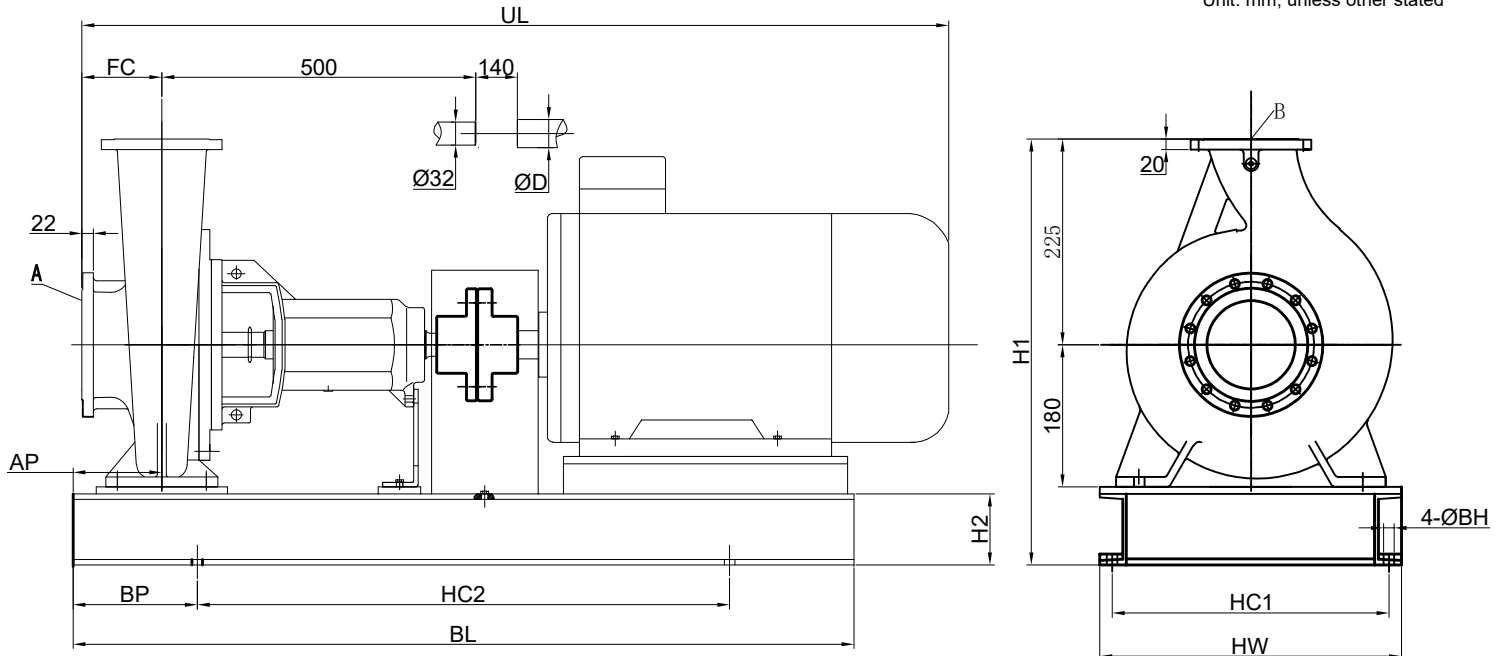
ISO2858/5199 Standard

Type :  
SMA100x65-200

Drawing No.

SMA100x65-200

Unit: mm, unless other stated

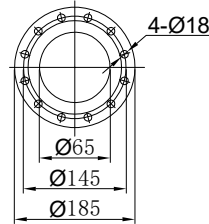
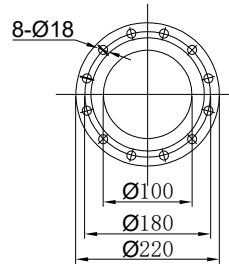


A DN100

B DN65

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB100L-4	3	545	140	440	740	28	490	1120	75	190	1120	100	25	4-M20X400	199
Y/YB112M-4	4	545	140	440	740	28	490	1120	75	190	1140	100	25	4-M20X400	213
Y/YB132S-4	5.5	545	140	440	740	38	490	1120	75	190	1215	100	25	4-M20X400	231
Y/YB132M-4	7.5	545	140	440	740	38	490	1120	75	190	1255	100	25	4-M20X400	250
Y/YB160M-4	11	545	140	490	840	42	540	1250	75	205	1340	100	25	4-M20X400	315
Y/YB160L-2	18.5	545	140	490	840	42	540	1250	75	205	1385	100	25	4-M20X400	333
Y/YB180M-2	22	545	140	490	840	48	540	1250	75	205	1410	100	25	4-M20X400	376
Y/YB200L1-2	30	585	180	550	940	55	610	1400	75	230	1519	100	30	4-M20X500	477
Y/YB200L2-2	37	585	180	550	940	55	610	1400	75	230	1519	100	30	4-M20X500	492
Y/YB225M-2	45	610	205	550	940	55	610	1400	75	230	1555	100	30	4-M20X500	589
Y/YB250M-2	55	660	205	600	1060	60	660	1600	75	270	1670	100	30	4-M20X500	694
Y/YB280S-2	75	660	205	600	1060	60	660	1600	75	270	1740	100	30	4-M20X500	867

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

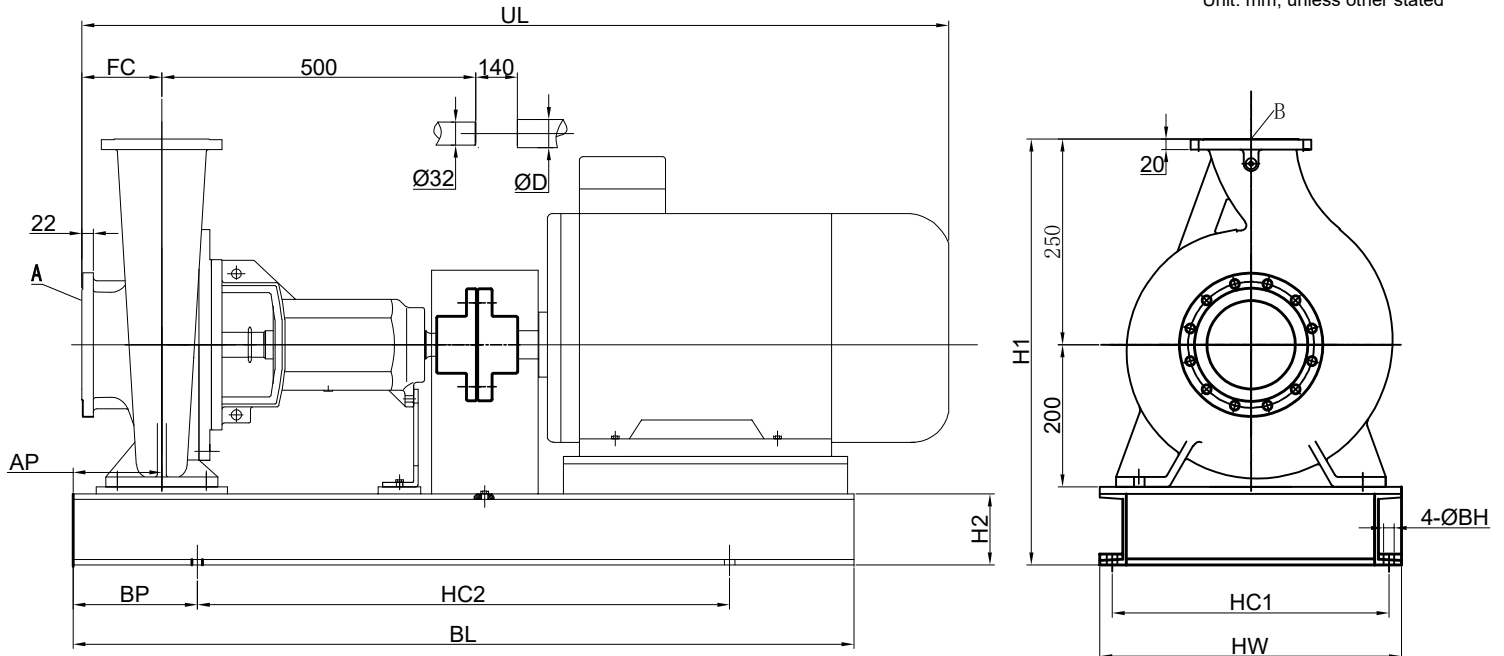
ISO2858/5199 Standard

Type :  
SMA100x65-250

Drawing No.

SMA100x65-250

Unit: mm, unless other stated

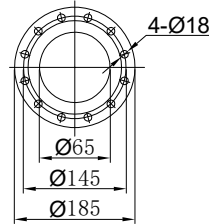
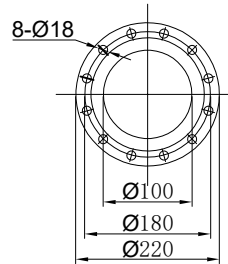


A DN100

B DN65

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB112M-4	4	590	140	440	740	28	490	1120	90	190	1165	125	25	4-M20X400	230
Y/YB132S-4	5.5	590	140	440	740	38	490	1120	90	190	1240	125	25	4-M20X400	250
Y/YB132M-4	7.5	590	140	440	740	38	490	1120	90	190	1280	125	25	4-M20X400	269
Y/YB160M-4	11	590	140	490	840	42	540	1250	90	205	1365	125	25	4-M20X400	332
Y/YB160L-4	15	590	140	490	840	42	540	1250	90	205	1410	125	25	4-M20X400	350
Y/YB180M-4	18.5	590	140	490	840	48	540	1250	90	205	1435	125	25	4-M20X400	400
Y/YB200L1-2	30	610	160	550	940	55	610	1400	90	230	1544	125	30	4-M24X500	494
Y/YB200L2-2	37	610	160	550	940	55	610	1400	90	230	1544	125	30	4-M24X500	509
Y/YB225M-2	45	635	185	550	940	55	610	1400	90	230	1580	125	30	4-M24X500	605
Y/YB250M-2	55	685	235	600	1060	60	660	1600	90	270	1695	125	30	4-M24X500	703
Y/YB280S-2	75	715	265	670	1200	65	730	1800	90	300	1765	125	30	4-M24X500	909
Y/YB280M-2	90	715	265	670	1200	65	730	1800	90	300	1815	125	30	4-M24X500	1012

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

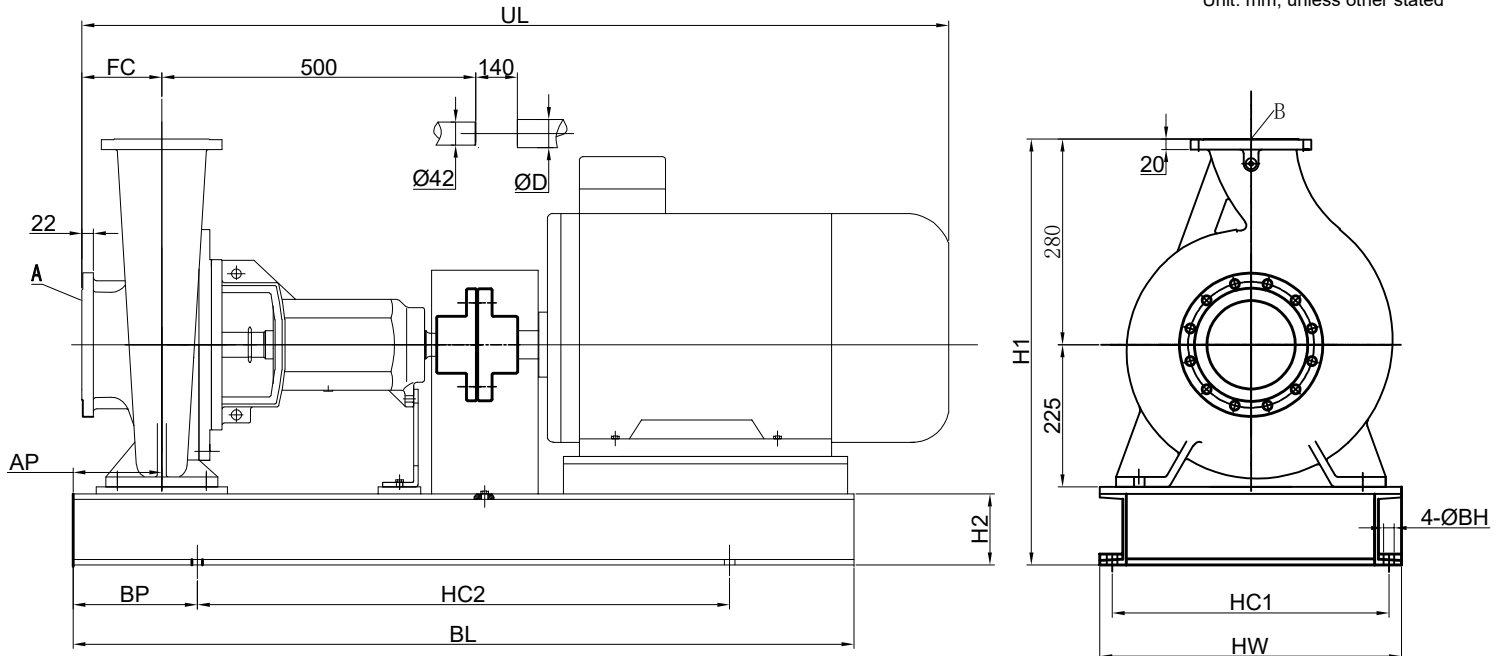
ISO2858/5199 Standard

Type :  
SMA100x65-315

Drawing No.

SMA100x65-315

Unit: mm, unless other stated

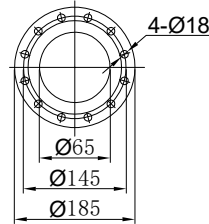
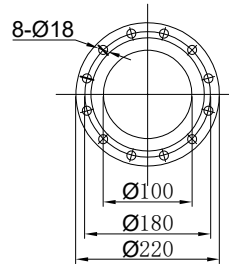


A DN100

B DN65

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB132M-4	7.5	645	140	490	840	38	540	1250	90	205	1315	125	25	4-M20X400	332
Y/YB160M-4	11	645	140	490	840	42	540	1250	90	205	1395	125	25	4-M20X400	385
Y/YB160L-4	15	665	160	550	940	42	610	1400	90	230	1440	125	30	4-M24X500	426
Y/YB180M-4	18.5	665	160	550	940	48	610	1400	90	230	1465	125	30	4-M24X500	475
Y/YB180L-4	22	665	160	550	940	48	610	1400	90	230	1505	125	30	4-M24X500	501
Y/YB200L-4	30	665	160	550	940	55	610	1400	90	230	1574	125	30	4-M24X500	595
Y/YB250M-2	55	715	210	600	1060	60	660	1600	90	270	1725	125	30	4-M24X500	751
Y/YB280S-2	75	745	240	670	1200	65	730	1800	90	300	1795	125	30	4-M24X500	957
Y/YB280M-2	90	745	240	670	1200	65	730	1800	90	300	1845	125	30	4-M24X500	1060
Y/YB315S-2	110	800	295	670	1350	65	730	2000	90	325	1965	125	30	4-M24X500	1510
Y/YB315M-2	132	800	295	670	1350	65	730	2000	90	325	2015	125	30	4-M24X500	1570
Y/YB315L1-2	160	800	295	670	1350	65	730	2000	90	325	2065	125	30	4-M24X500	1760
Y/YB315L2-2	200	800	295	670	1350	65	730	2000	90	325	2065	125	30	4-M24X500	2010

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

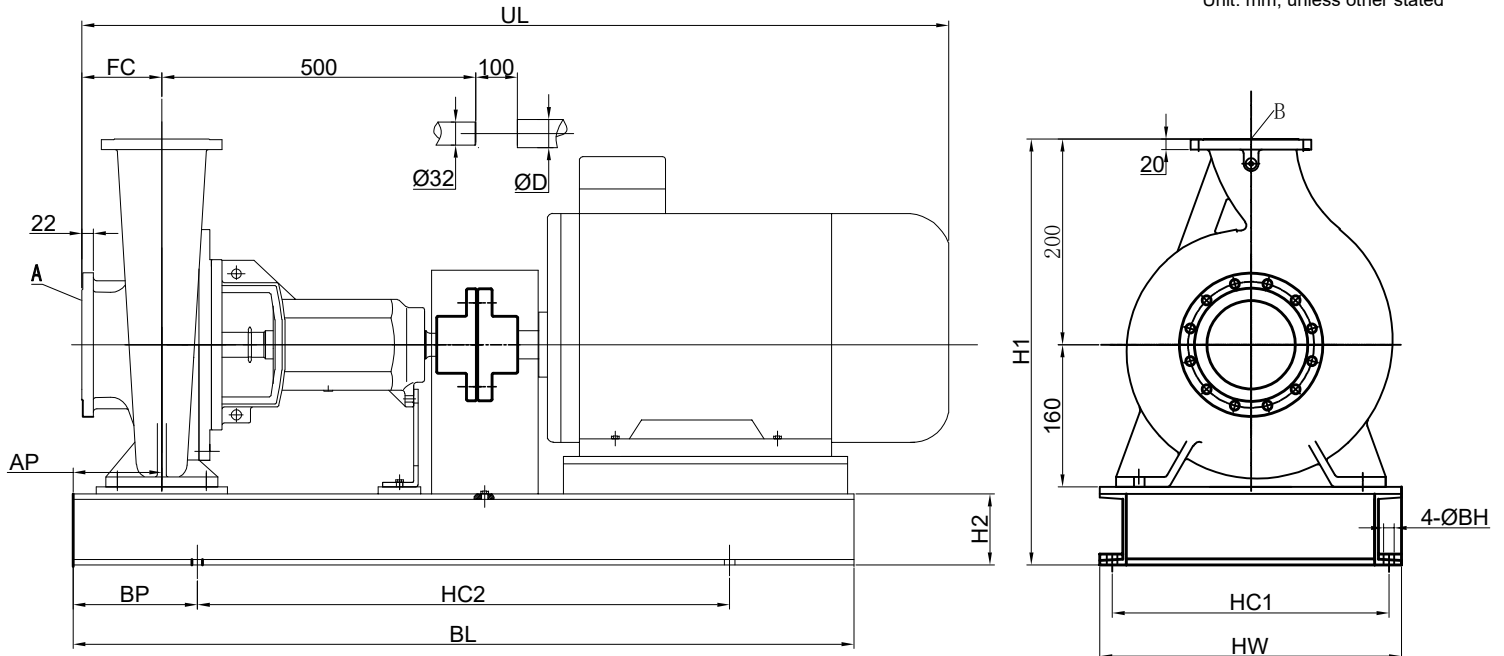
ISO2858/5199 Standard

Type :  
SMA100x80-160

Drawing No.

SMA100x80-160

Unit: mm, unless other stated

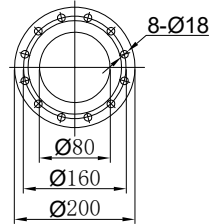
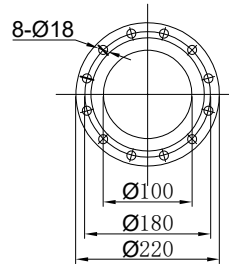


A DN100

B DN80

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB90L-4	1.5	475	115	400	660	24	450	1000	75	170	1035	100	25	4-M20X400	171
Y/YB100L1-4	2.2	475	115	400	660	28	450	1000	75	170	1080	100	25	4-M20X400	176
Y/YB100L2-4	3	475	115	400	660	28	450	1000	75	170	1080	100	25	4-M20X400	180
Y/YB112M-4	4	475	115	400	660	28	450	1000	75	170	1100	100	25	4-M20X400	191
Y/YB132S-4	5.5	500	140	440	740	38	490	1120	75	190	1175	100	25	4-M20X400	229
Y/YB160M1-2	11	500	140	490	840	42	540	1250	75	205	1300	100	25	4-M20X400	296
Y/YB160M2-2	15	500	140	490	840	42	540	1250	75	205	1300	100	25	4-M20X400	308
Y/YB160L-2	18.5	500	140	490	840	42	540	1250	75	205	1345	100	25	4-M20X400	324
Y/YB180M-2	22	500	160	490	840	48	540	1250	75	205	1370	100	25	4-M20X400	381
Y/YB200L1-2	30	560	200	550	940	55	610	1400	75	230	1479	100	30	4-M24X500	483
Y/YB200L2	37	560	200	550	940	55	610	1400	75	230	1479	100	30	4-M24X500	498
Y/YB225M-2	45	585	225	550	940	55	610	1400	75	230	1515	100	30	4-M24X500	589

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

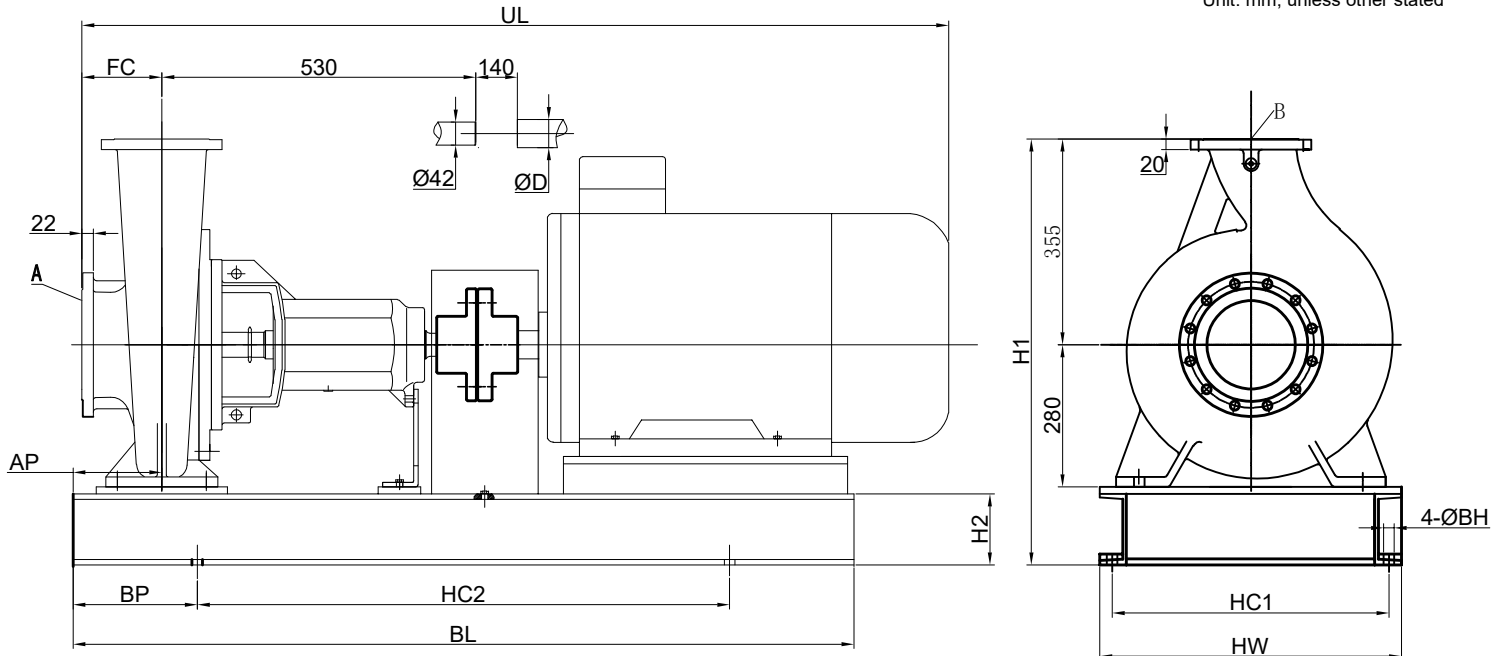
ISO2858/5199 Standard

Type :  
SMA125x80-400

Drawing No.

SMA125x80-400

Unit: mm, unless other stated

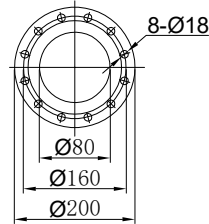
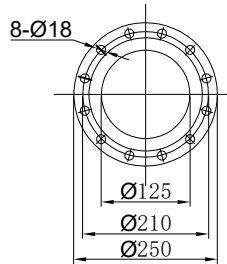


A DN125

B DN80

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB160L-4	15	795	160	550	940	42	610	1400	90	230	1440	125	30	4-M20X500	479
Y/YB180M-4	18.5	795	160	550	940	48	610	1400	90	230	1465	125	30	4-M20X500	528
Y/YB180L-4	22	795	160	550	940	48	610	1400	90	230	1505	125	30	4-M20X500	554
Y/YB200L-4	30	795	160	550	940	55	610	1400	90	230	1574	125	30	4-M20X500	644
Y/YB225S-4	37	795	160	550	940	60	610	1400	90	230	1615	125	30	4-M20X500	711
Y/YB225M-4	45	820	185	600	1060	60	660	1600	90	230	1640	125	30	4-M20X500	765
Y/YB250M-4	55	820	185	600	1060	65	660	1600	90	230	1725	125	30	4-M20X500	905
Y/YB280S-4	75	820	185	670	1200	75	730	1800	90	230	1795	125	30	4-M20X500	1052
Customer												Contract No.			
Position No.															



Centrifugal Pump "SMA" with wearing liners

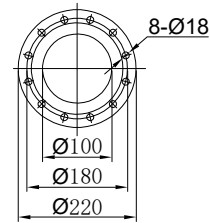
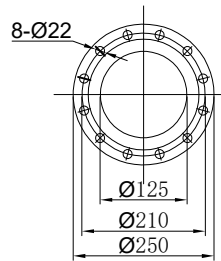
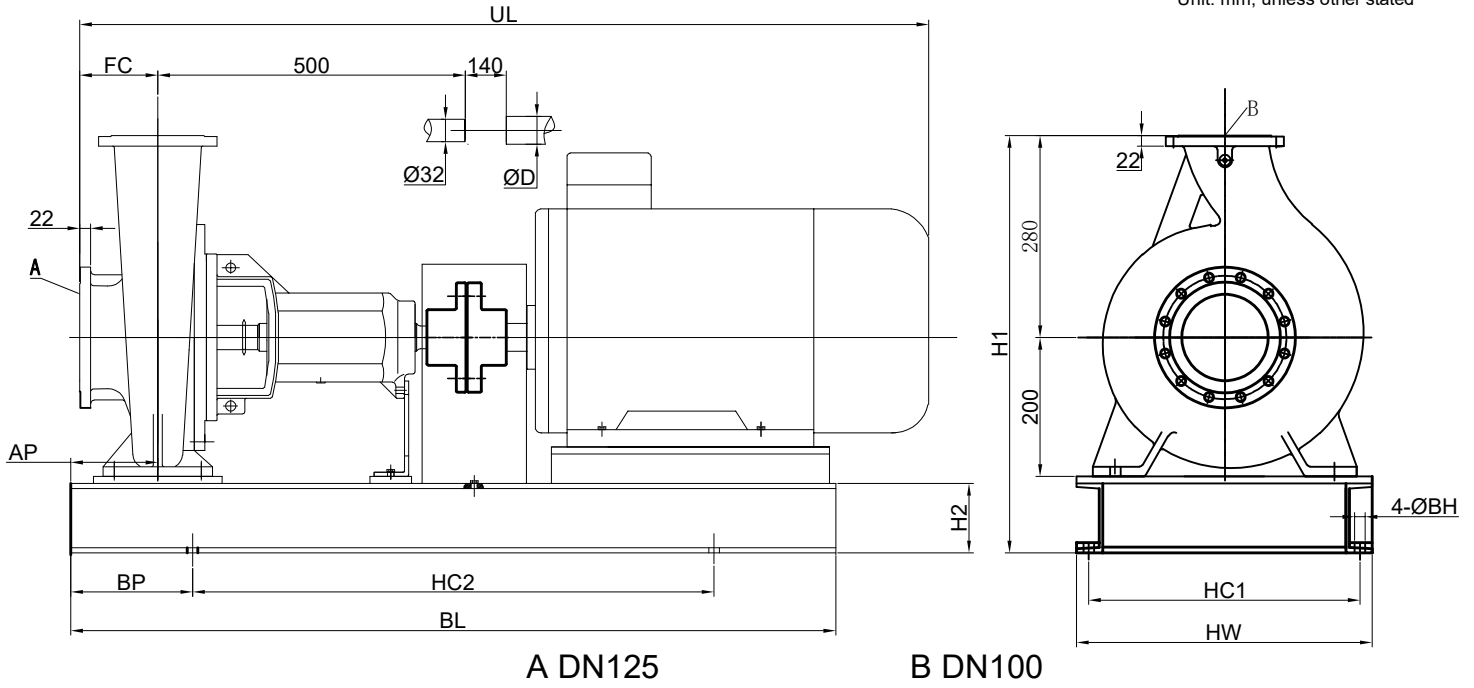
ISO2858/5199 Standard

Type :  
SMA125x100-200

Drawing No.

SMA125x100-200

Unit: mm, unless other stated



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB112M-4	4	620	140	440	740	28	490	1120	90	190	1165	125	25	4-M20X400	229
Y/YB132S-4	5.5	620	140	440	740	38	490	1120	90	190	1240	125	25	4-M20X400	249
Y/YB132M-4	7.5	620	140	440	740	38	490	1120	90	190	1280	125	25	4-M20X400	268
Y/YB160M-4	11	620	140	490	840	42	540	1250	90	205	1365	125	25	4-M20X400	331
Y/YB160L-4	15	620	140	490	840	42	540	1250	90	205	1410	125	25	4-M20X400	349
Y/YB180M-4	18.5	620	140	490	840	48	540	1250	90	205	1435	125	25	4-M20X400	399
Y/YB200L1-2	30	640	160	550	940	55	610	1400	90	230	1544	125	30	4-M24X500	493
Y/YB200L2-2	37	640	160	550	940	55	610	1400	90	230	1544	125	30	4-M24X500	508
Y/YB225M-2	45	665	185	550	940	55	610	1400	90	230	1580	125	30	4-M24X500	604
Y/YB250M-2	55	715	235	600	1060	60	660	1600	90	270	1695	125	30	4-M24X500	702
Y/YB280S-2	75	745	265	670	1200	65	730	1800	90	300	1765	125	30	4-M24X500	908
Y/YB280M-2	90	745	265	670	1200	65	730	1800	90	300	1815	125	30	4-M24X500	1011

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

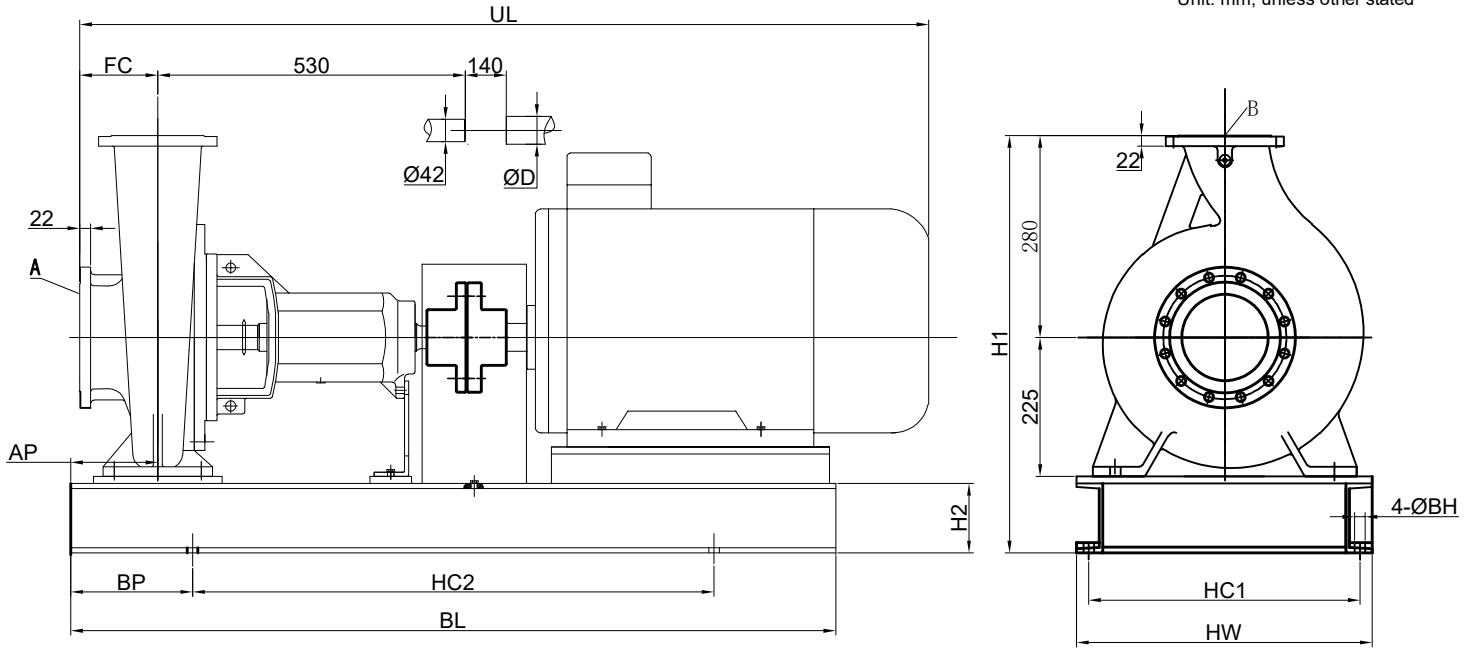
ISO2858/5199 Standard

Type :  
SMA125x100-250

Drawing No.

SMA125x100-250

Unit: mm, unless other stated

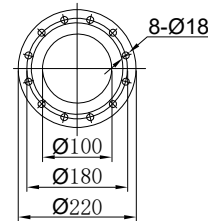
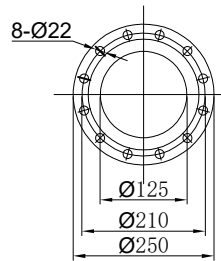


A DN125

B DN100

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB132M-4	7.5	645	140	490	840	38	540	1250	90	205	1325	140	25	4-M20X400	335
Y/YB160M-4	11	645	140	490	840	42	540	1250	90	205	1410	140	25	4-M20X400	388
Y/YB160L-4	15	665	160	550	940	42	610	1400	90	230	1455	140	30	4-M24X500	429
Y/YB180M-4	18.5	665	160	550	940	48	610	1400	90	230	1480	140	30	4-M24X500	478
Y/YB180L-4	22	665	160	550	940	48	610	1400	90	230	1520	140	30	4-M24X500	504
Y/YB200L-4	30	665	160	550	940	55	610	1400	90	230	1589	140	30	4-M24X500	598
Y/YB250M-2	55	715	210	600	1060	60	660	1600	90	270	1740	140	30	4-M24X500	754
Y/YB280S-2	75	745	240	670	1200	65	730	1800	90	300	1810	140	30	4-M24X500	960
Y/YB280M-2	90	745	240	670	1200	65	730	1800	90	300	1860	140	30	4-M24X500	1063
Y/YB315S-2	110	800	295	670	1350	65	730	2000	90	325	1980	140	30	4-M24X500	1513
Y/YB315M-2	132	800	295	670	1350	65	730	2000	90	325	2030	140	30	4-M24X500	1573
Y/YB315L1-2	160	800	295	670	1350	65	730	2000	90	325	2080	140	30	4-M24X500	1763
Y/YB315L2-2	200	800	295	670	1350	65	730	2000	90	325	2080	140	30	4-M24X500	2013

Customer

Contract No.

Position No.



Centrifugal Pump "SMA " with wearing liners

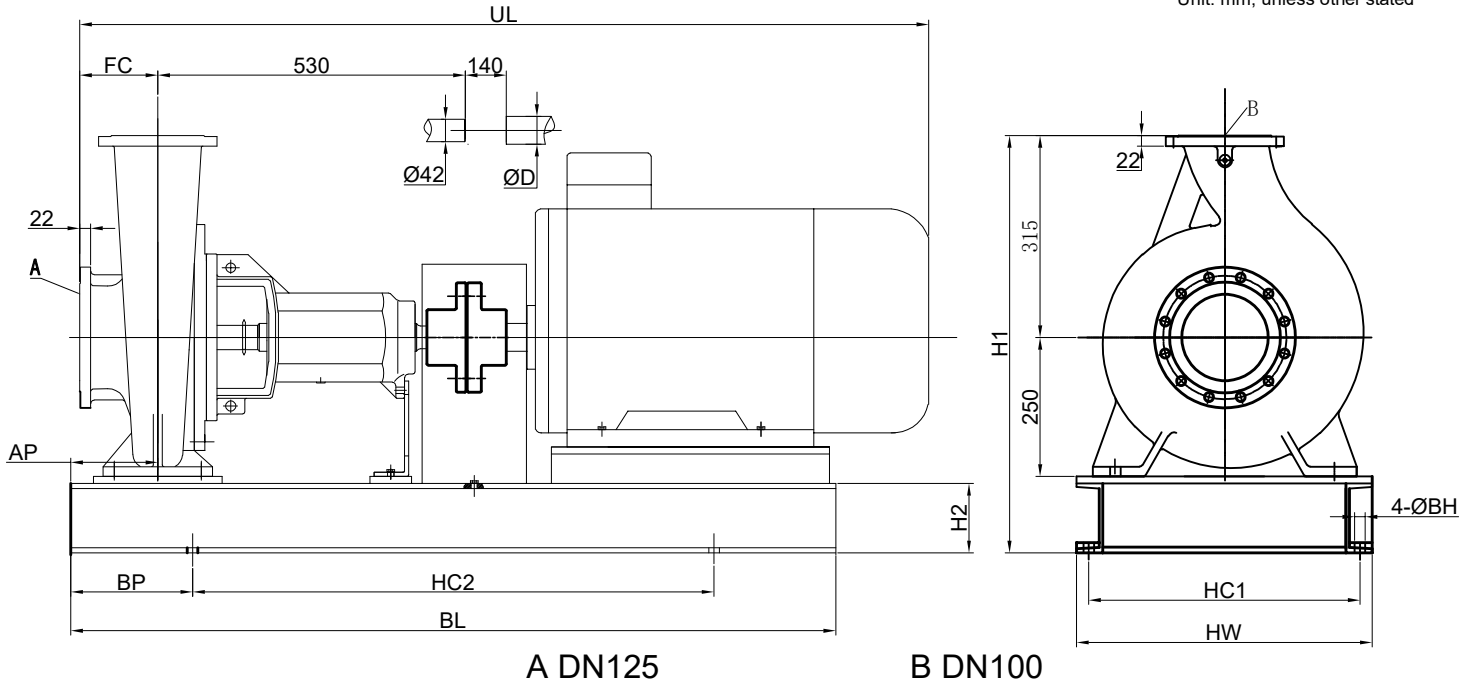
ISO2858/5199 Standard

Type :  
SMA125x100-315

Drawing No.

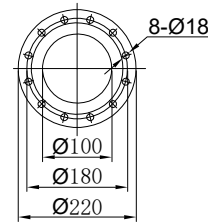
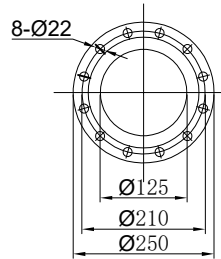
SMA125x100-315

Unit: mm, unless other stated



DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB160M-4	11	705	140	490	840	42	540	1250	90	205	1410	140	25	4-M20X400	396
Y/YB160L-4	15	725	160	550	940	42	610	1400	90	230	1455	140	30	4-M24X500	439
Y/YB180M-4	18.5	725	160	550	940	48	610	1400	90	230	1480	140	30	4-M24X500	488
Y/YB180L-4	22	725	160	550	940	48	610	1400	90	230	1520	140	30	4-M24X500	514
Y/YB200L-4	30	725	160	550	940	55	610	1400	90	230	1589	140	30	4-M24X500	604
Y/YB225S-4	37	725	160	550	940	60	610	1400	90	230	1630	140	30	4-M24X500	674
Y/YB225M-4	45	750	185	600	1060	60	660	1600	90	270	1655	140	30	4-M24X500	723
Y/YB280M-2	90	780	215	670	1200	65	730	1800	90	300	1860	140	30	4-M24X500	1067
Y/YB315S-2	110	835	270	670	1350	65	730	2000	90	325	1980	140	30	4-M24X500	1518
Y/YB315M-2	132	835	270	670	1350	65	730	2000	90	325	2030	140	30	4-M24X500	1578
Y/YB315L1-2	160	835	270	670	1350	65	730	2000	90	325	2080	140	30	4-M24X500	1768
Y/YB315L2-2	200	835	270	670	1350	65	730	2000	90	325	2080	140	30	4-M24X500	2018

Customer

Contract No.

Position No.



Centrifugal Pump "SMA " with wearing liners

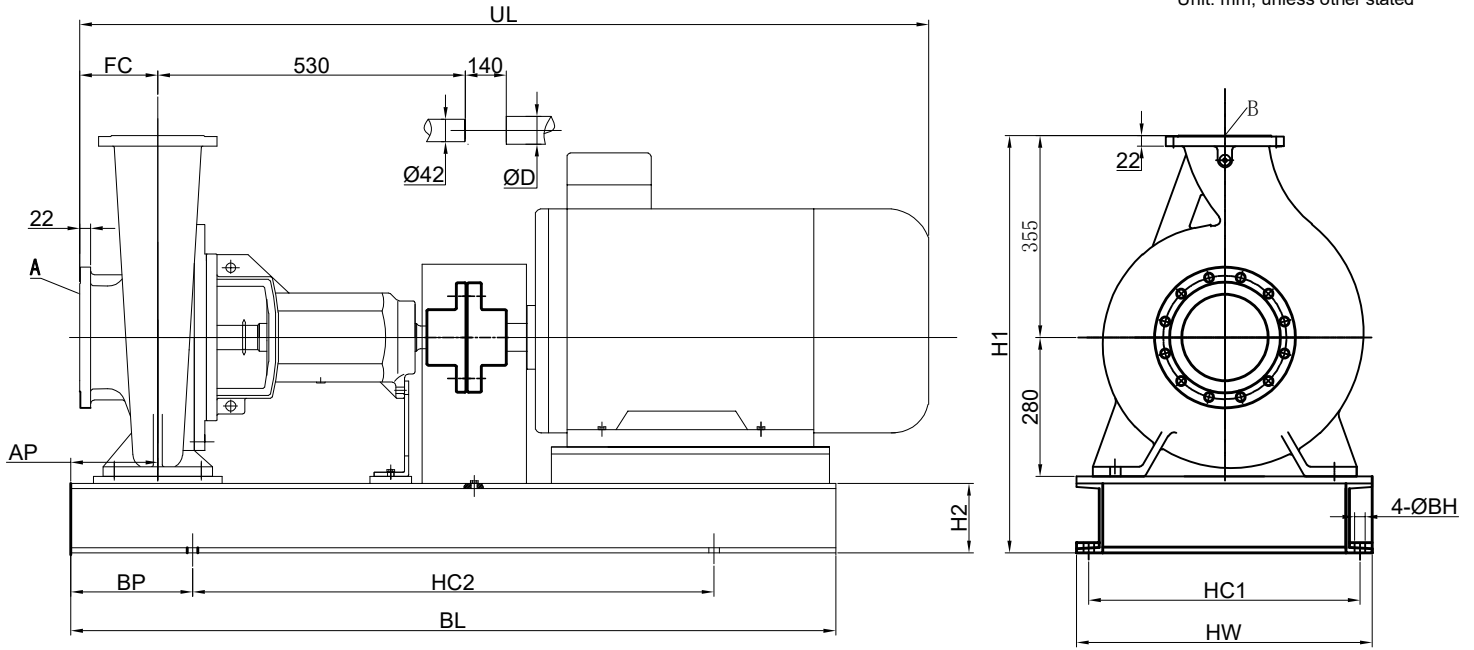
ISO2858/5199 Standard

Type :  
SMA125x100-400

Drawing No.

SMA125x100-400

Unit: mm, unless other stated

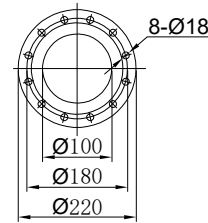
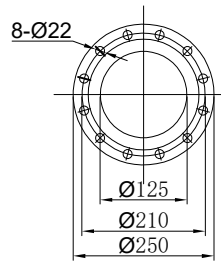


A DN125

B DN100

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB180L-4	22	820	185	600	1060	48	660	1600	110	270	1520	140	30	4-M24X500	609
Y/YB200L-4	30	820	185	600	1060	55	660	1600	110	270	1589	140	30	4-M24X500	700
Y/YB225S-4	37	820	185	600	1060	60	660	1600	110	270	1630	140	30	4-M24X500	764
Y/YB225M-4	45	820	185	600	1060	60	660	1600	110	270	1655	140	30	4-M24X500	779
Y/YB250M-4	55	820	185	600	1060	65	660	1600	110	270	1740	140	30	4-M24X500	920
Y/YB280S-4	75	820	185	670	1200	75	730	1800	110	300	1810	140	30	4-M24X500	1065
Y/YB280M-4	90	820	185	670	1200	75	730	1800	110	300	1860	140	30	4-M24X500	1180

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

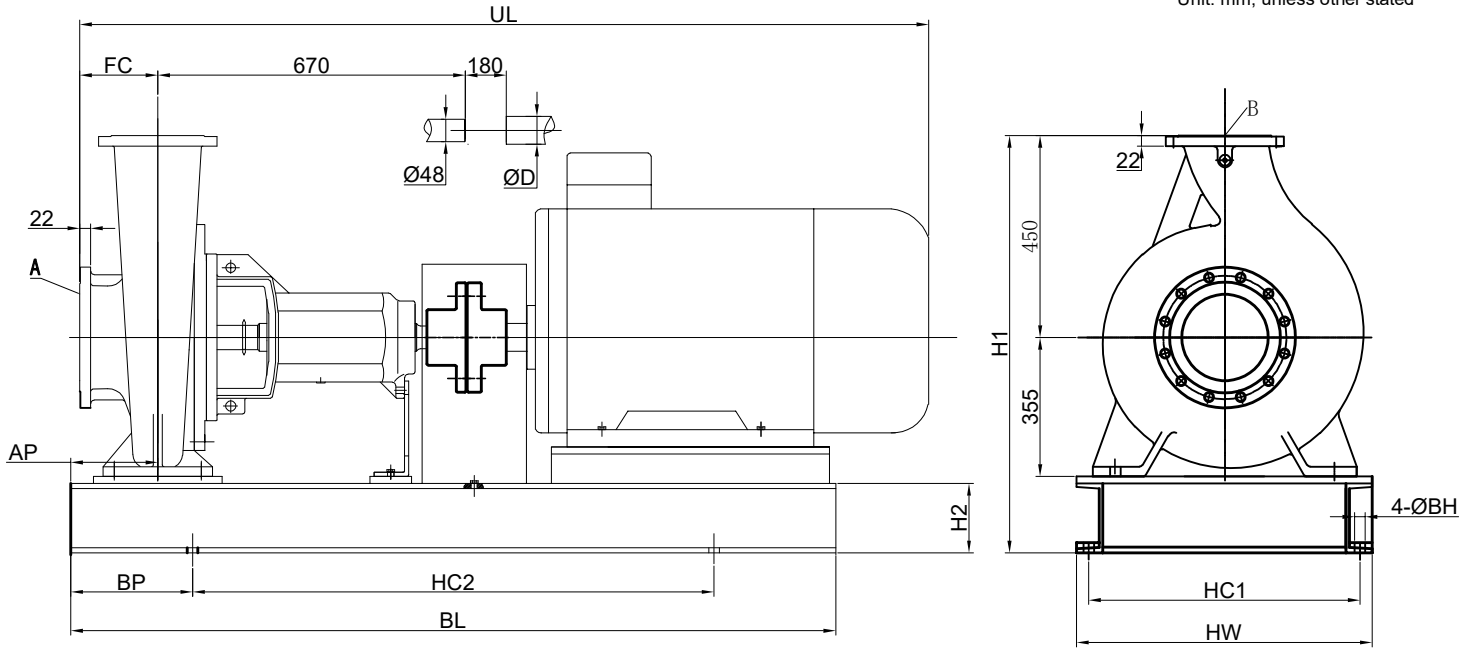
ISO2858/5199 Standard

Type :  
SMA125x100-500

Drawing No.

SMA125x100-500

Unit: mm, unless other stated

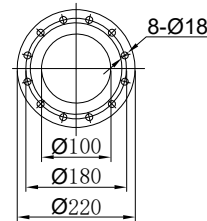
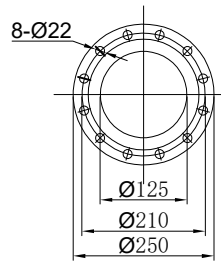


A DN125

B DN100

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB225M-4	45	990	185	670	1200	60	730	1800	110	300	1855	160	30	4-M20X500	977
Y/YB250M-4	55	990	185	670	1200	65	730	1800	110	300	1940	160	30	4-M24X500	1117
Y/YB280S-4	75	1010	205	670	1350	75	730	2000	110	325	2010	160	30	4-M24X500	1283
Y/YB280M-4	90	1010	205	670	1350	75	730	2000	110	325	2060	160	30	4-M24X500	1398
Y/YB315S-4	110	1010	205	670	1500	80	730	2200	110	350	2210	160	30	4-M24X500	1803
Y/YB315M-4	132	1010	205	670	1500	80	730	2200	110	350	2260	160	30	4-M24X500	1853
Y/YB315L1-4	160	1010	205	670	1500	80	730	2200	110	350	2310	160	30	4-M24X500	1973

Customer

Contract No.

Position No.



Centrifugal Pump "SMA " with wearing liners

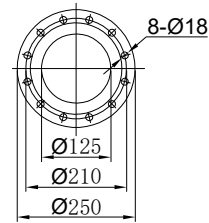
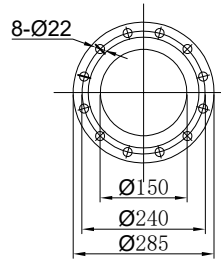
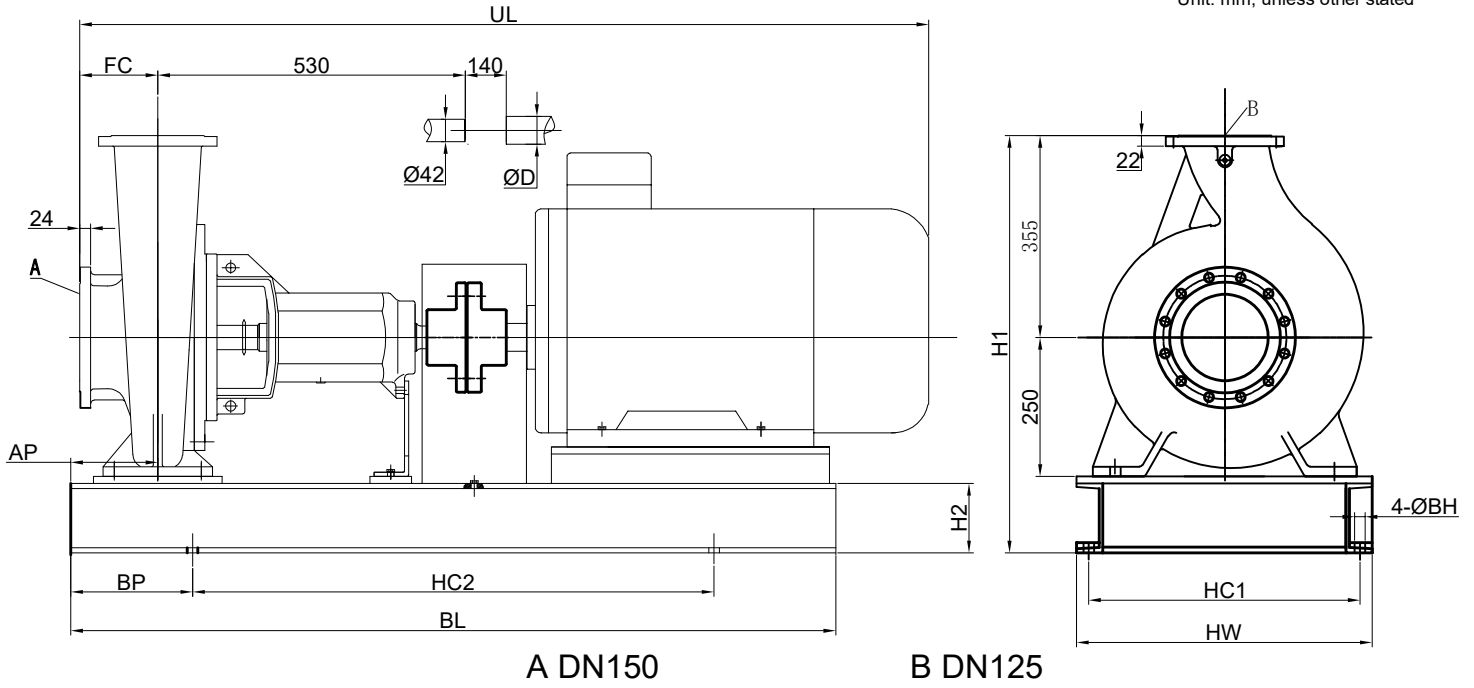
ISO2858/5199 Standard

Type :  
SMA150x125-250

Drawing No.

SMA150x125-250

Unit: mm, unless other stated



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB160M-4	11	745	140	490	840	42	540	1250	90	205	1410	140	25	4-M20X400	402
Y/YB160L-4	15	765	160	550	940	42	610	1400	90	230	1455	140	30	4-M24X500	445
Y/YB180M-4	18.5	765	160	550	940	48	610	1400	90	230	1480	140	30	4-M24X500	494
Y/YB180L-4	22	765	160	550	940	48	610	1400	90	230	1520	140	30	4-M24X500	520
Y/YB200L-4	30	765	160	550	940	55	610	1400	90	230	1589	140	30	4-M24X500	610
Y/YB225S-4	37	765	160	550	940	60	610	1400	90	230	1630	140	30	4-M24X500	680
Y/YB225M-4	45	790	185	600	1060	60	660	1600	90	270	1655	140	30	4-M24X500	729

Customer

Contract No.

Position No.



Centrifugal Pump "SMA " with wearing liners

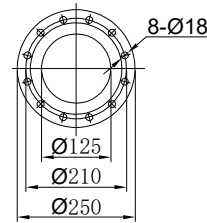
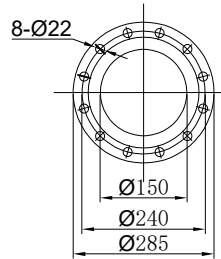
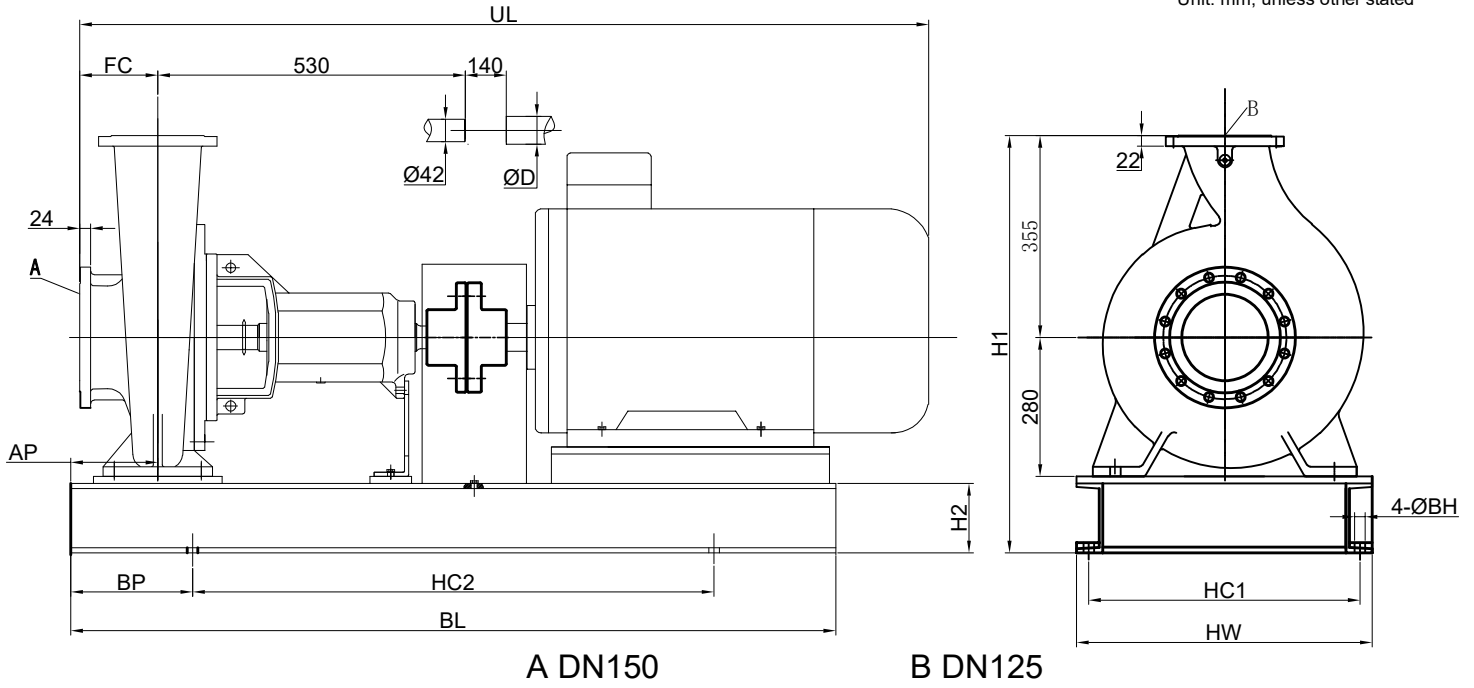
ISO2858/5199 Standard

Type :  
SMA150x125-315

Drawing No.

SMA150x125-315

Unit: mm, unless other stated



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB180M-4	18.5	820	185	600	1060	48	660	1600	110	270	1480	140	30	4-M24X500	555
Y/YB180L-4	22	820	185	600	1060	48	660	1600	110	270	1520	140	30	4-M24X500	581
Y/YB200L-4	30	820	185	600	1060	55	660	1600	110	270	1589	140	30	4-M24X500	672
Y/YB225S-4	37	820	185	600	1060	60	660	1600	110	270	1630	140	30	4-M24X500	736
Y/YB225M-4	45	820	185	600	1060	60	660	1600	110	270	1655	140	30	4-M24X500	751
Y/YB250M-4	55	820	185	600	1060	65	660	1600	110	270	1740	140	30	4-M24X500	892
Y/YB280S-4	75	820	185	670	1200	75	730	1800	110	300	1810	140	30	4-M24X500	1037

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

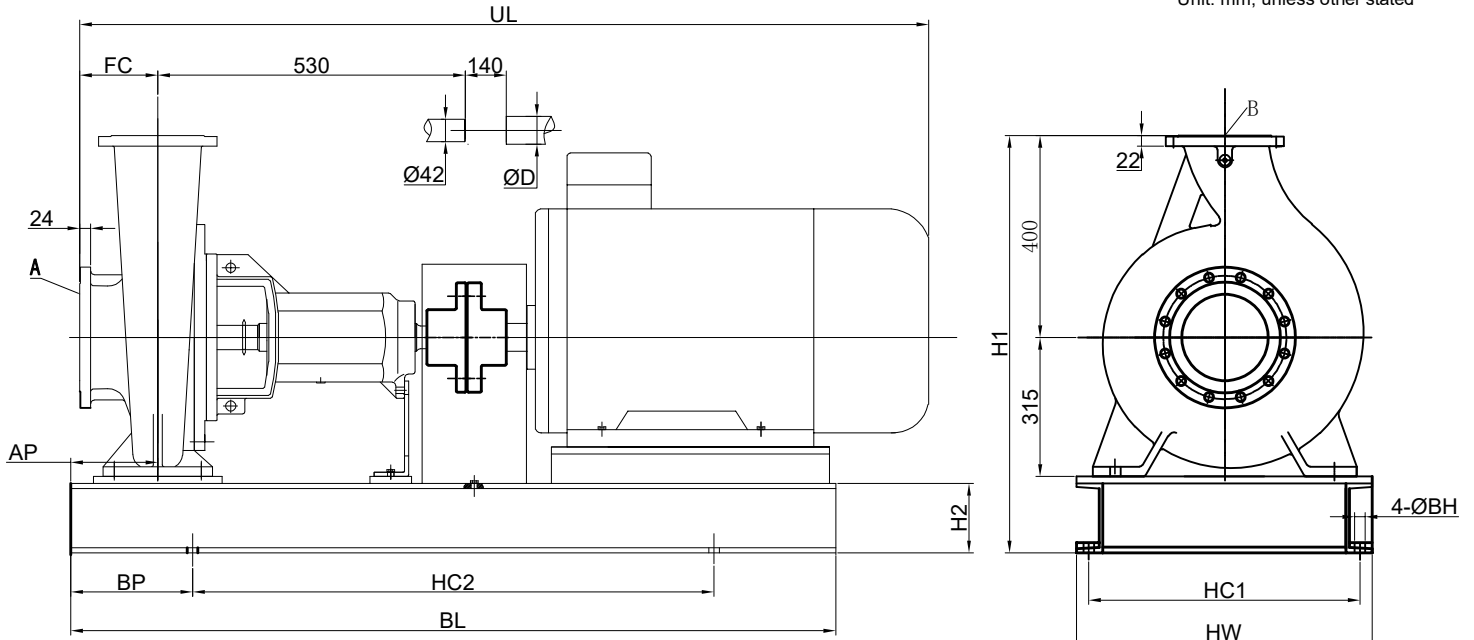
ISO2858/5199 Standard

Type :  
SMA150x125-400

Drawing No.

SMA150x125-400

Unit: mm, unless other stated

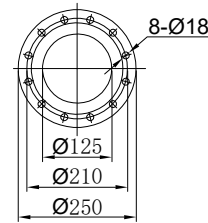
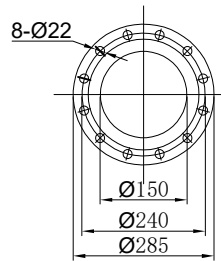


A DN150

B DN125

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB225S-4	37	900	185	600	1060	60	660	1600	110	270	1630	140	30	4-M24X500	785
Y/YB225M-4	45	900	185	600	1060	60	660	1600	110	270	1655	140	30	4-M24X500	800
Y/YB250M-4	55	900	185	600	1060	65	660	1600	110	270	1740	140	30	4-M24X500	941
Y/YB280S-4	75	900	185	670	1200	75	730	1800	110	300	1810	140	30	4-M24X500	1086
Y/YB280M-4	90	900	185	670	1200	75	730	1800	110	300	1860	140	30	4-M24X500	1201
Y/YB315S-4	110	920	205	670	1350	80	730	2000	110	325	2010	140	30	4-M24X500	1635
Y/YB315M-4	132	920	205	670	1350	80	730	2000	110	325	2060	140	30	4-M24X500	1685

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

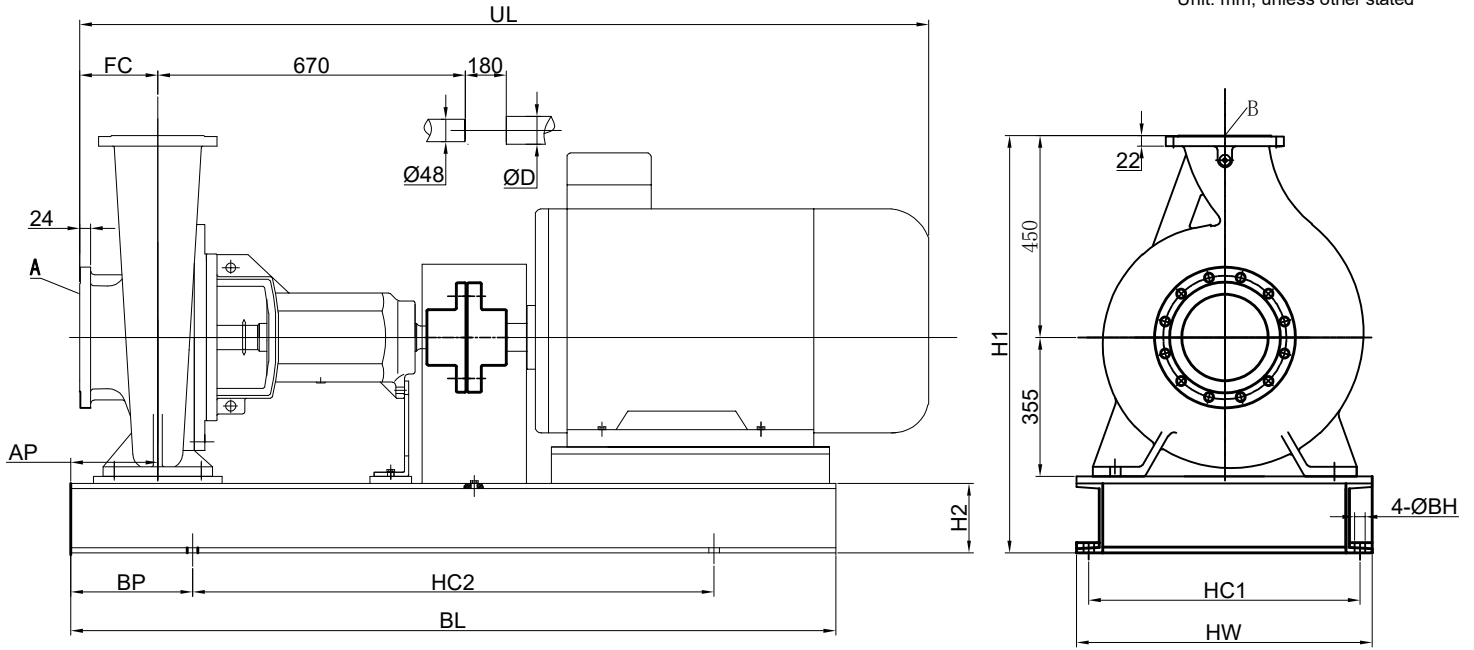
ISO2858/5199 Standard

Type :  
SMA150x125-500

Drawing No.

SMA150x125-500

Unit: mm, unless other stated

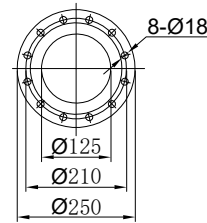
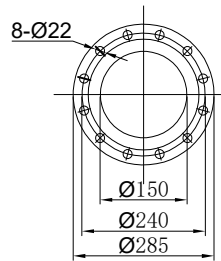


A DN150

B DN125

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB280S-4	75	1010	205	670	1350	75	730	2000	110	325	2010	160	30	4-M24X500	1300
Y/YB280M-4	90	1010	205	670	1350	75	730	2000	110	325	2060	160	30	4-M24X500	1415
Y/YB315S-4	110	1010	205	670	1500	80	730	2200	110	350	2210	160	30	4-M24X500	1820
Y/YB315M-4	132	1010	205	670	1500	60	730	2200	110	350	2260	160	30	4-M24X500	1870
Y/YB315L1-4	160	1010	205	670	1500	80	730	2200	110	350	2310	160	30	4-M24X500	1990
Y/YB315L2-4	200	1010	205	670	1500	80	730	2200	110	350	2310	160	30	4-M24X500	2170

Customer

Contract No.

Position No.



Centrifugal Pump "SMA " with wearing liners

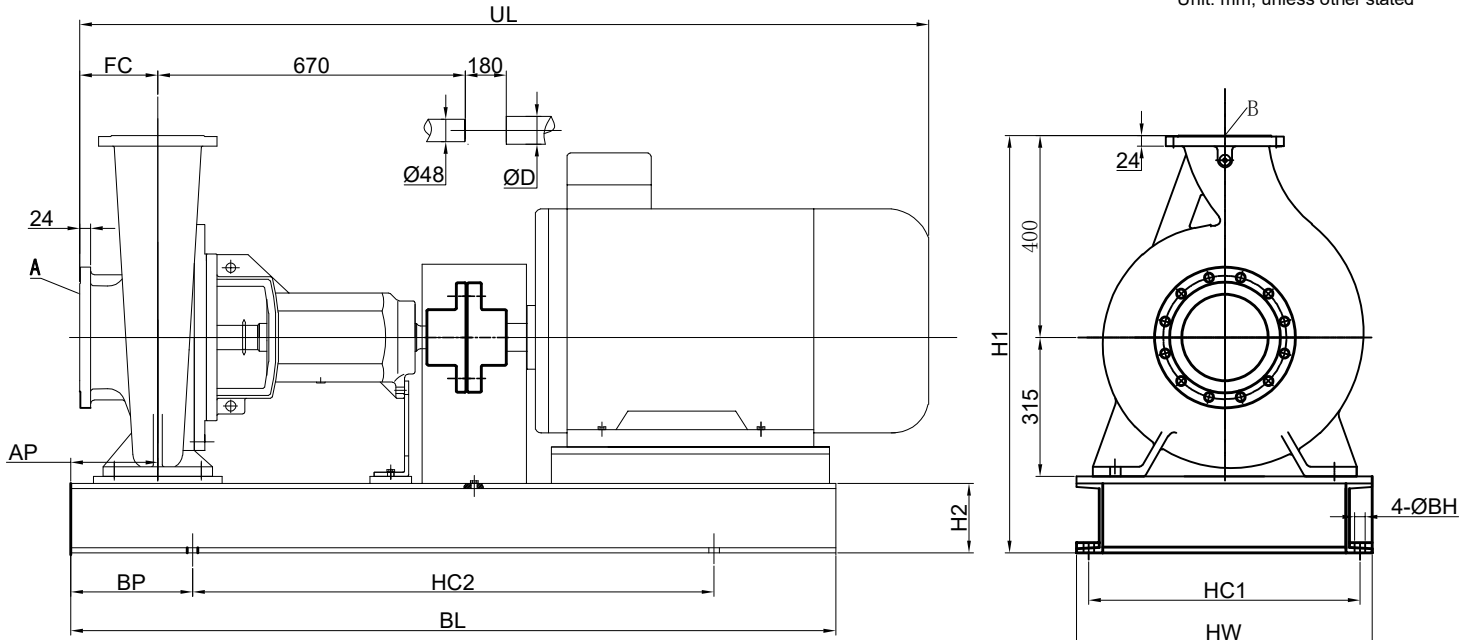
ISO2858/5199 Standard

Type :  
SMA200-150-315

Drawing No.

SMA200-150-315

Unit: mm, unless other stated

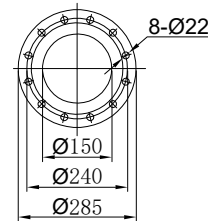
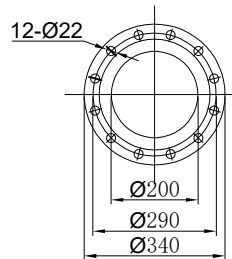


**A DN200**

**B DN150**

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB200L-4	30	900	185	670	1200	55	730	1800	110	300	1789	160	30	4-M24X500	828
Y/YB225S-4	37	900	185	670	1200	60	730	1800	110	300	1830	160	30	4-M24X500	888
Y/YB225M-4	45	900	185	670	1200	60	730	1800	110	300	1855	160	30	4-M24X500	903
Y/YB250M-4	55	900	185	670	1200	65	730	1800	110	300	1940	160	30	4-M24X500	1043
Y/YB280S-4	75	900	185	670	1200	75	730	1800	110	300	2010	160	30	4-M24X500	1159
Y/YB280M-4	90	920	205	670	1350	75	730	2000	110	325	2060	160	30	4-M24X500	1322
Y/YB315S-4	110	920	205	670	1500	80	730	2200	110	350	2210	160	30	4-M24X500	1725
Y/YB315M-4	132	920	205	670	1500	80	730	2200	110	350	2260	160	30	4-M24X500	1775

Customer

Contract No.

Position No.



Centrifugal Pump "SMA " with wearing liners

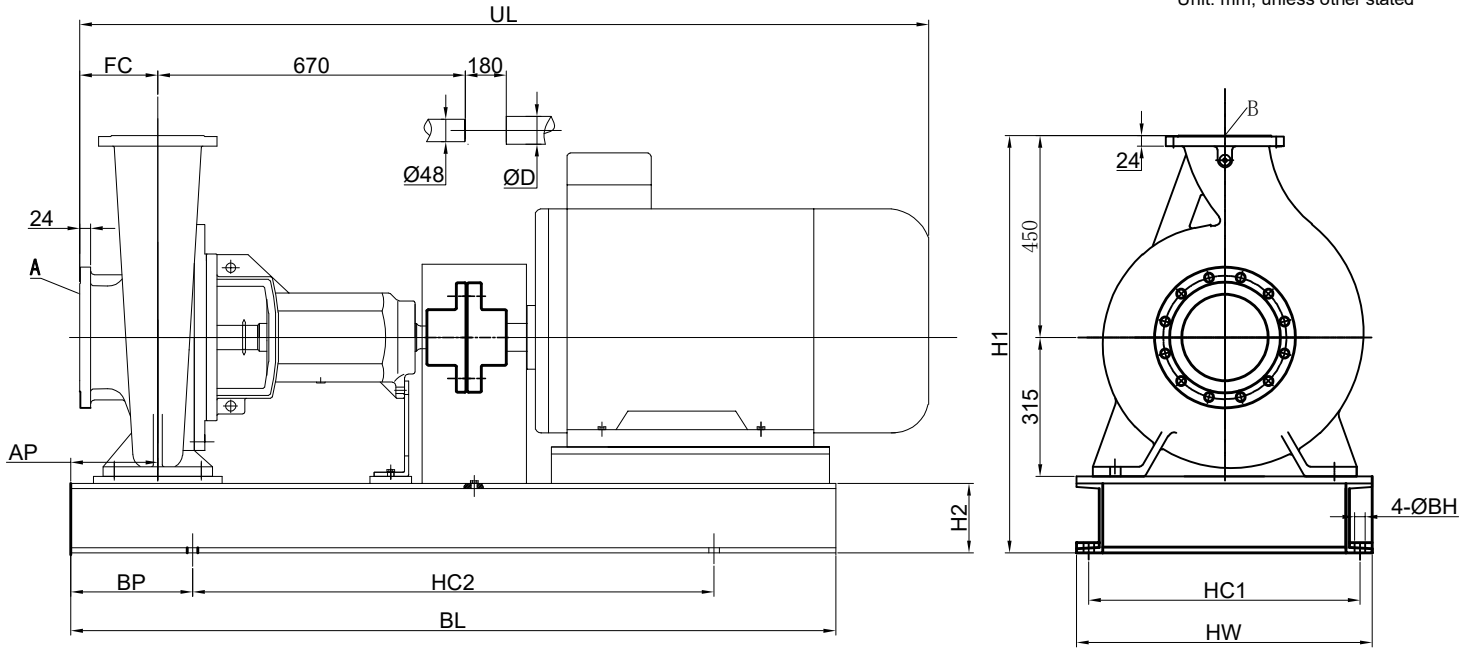
ISO2858/5199 Standard

Type :  
SMA200x150-400

Drawing No.

SMA200x150-400

Unit: mm, unless other stated

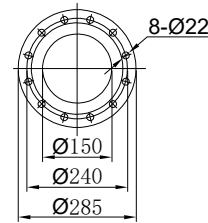
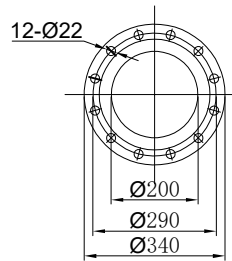


A DN200

B DN150

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB225M-4	45	950	185	670	1200	60	730	1800	110	300	1855	160	30	4-M24X500	985
Y/YB250M-4	55	950	185	670	1200	65	730	1800	110	300	1940	160	30	4-M24X500	1125
Y/YB280S-4	75	950	185	670	1200	75	730	1800	110	300	2010	160	30	4-M24X500	1241
Y/YB280M-4	90	970	205	670	1350	75	730	2000	110	325	2060	160	30	4-M24X500	1404
Y/YB315S-4	110	970	205	670	1500	80	730	2200	110	350	2210	160	30	4-M24X500	1807
Y/YB315M-4	132	970	205	670	1500	80	730	2200	110	350	2260	160	30	4-M24X500	1857
Y/YB315L1-4	160	970	205	670	1500	80	730	2200	110	350	2310	160	30	4-M24X500	1977
Y/YB315L2-4	200	970	205	670	1500	80	730	2200	110	350	2310	160	30	4-M24X500	2157

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

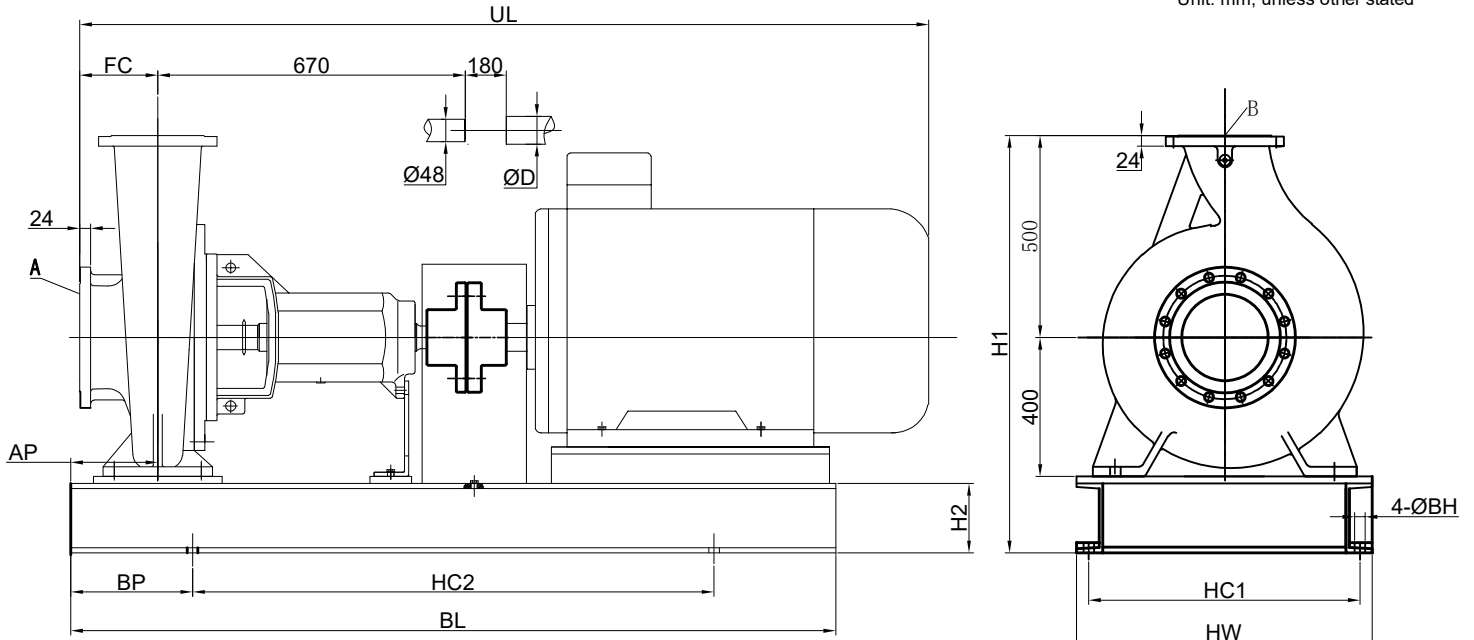
ISO2858/5199 Standard

Type :  
SMA200x150-500

Drawing No.

SMA200x150-500

Unit: mm, unless other stated

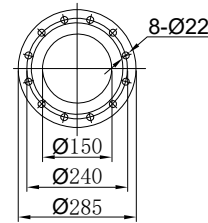
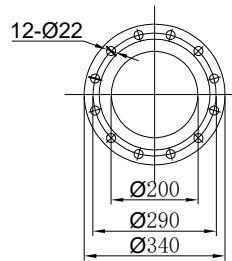


A DN200

B DN150

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



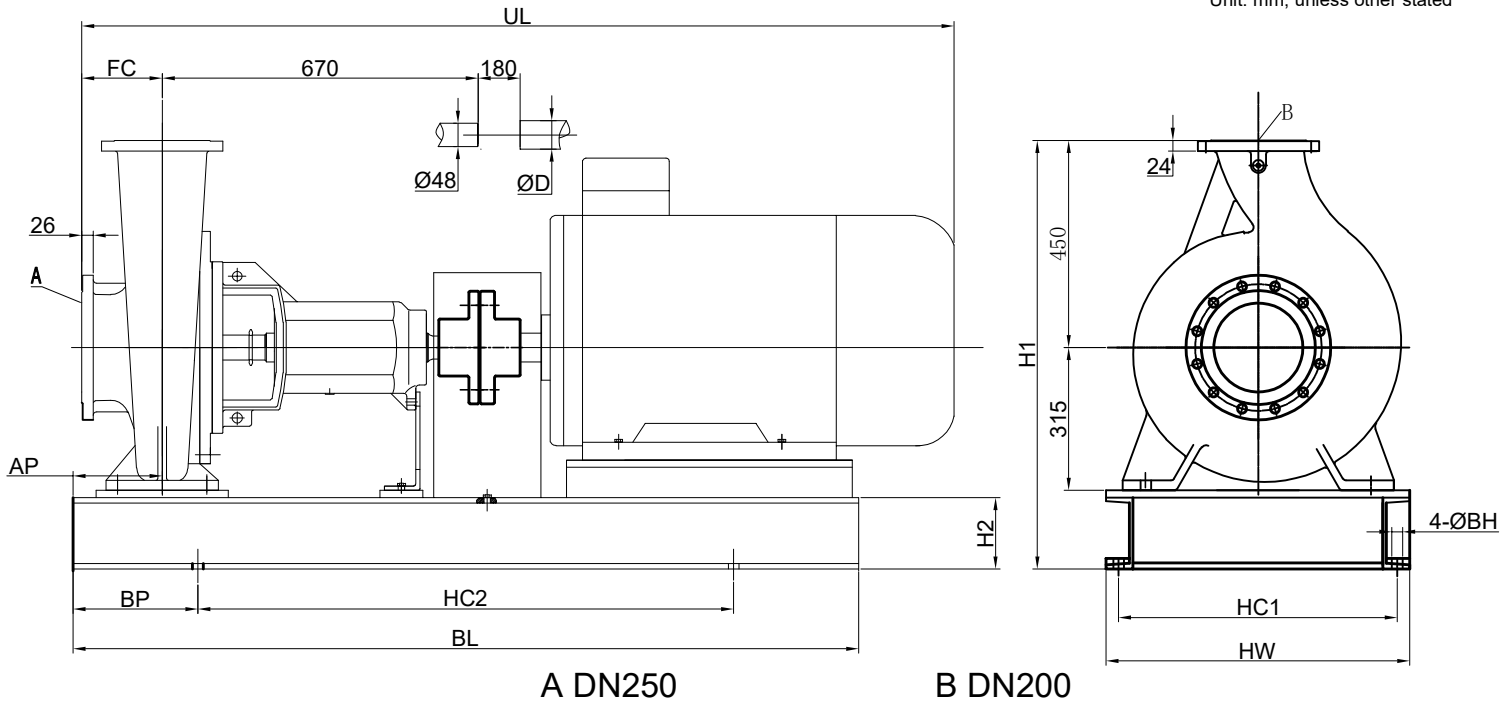
Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB280S-4	75	1105	205	670	1350	75	730	2000	110	325	2010	160	30	4-M24X500	1345
Y/YB280M-4	90	1105	205	670	1350	75	730	2000	110	325	2060	160	30	4-M24X500	1460
Y/YB315S-4	110	1105	205	670	1500	80	730	2200	110	350	2210	160	30	4-M24X500	1866
Y/YB315M-4	132	1105	205	670	1500	80	730	2200	110	350	2260	160	30	4-M24X500	1916
Y/YB315L1-4	160	1105	205	670	1500	80	730	2200	110	350	2310	160	30	4-M24X500	2036
Y/YB315L2-4	200	1105	205	670	1500	80	730	2200	110	350	2310	160	30	4-M24X500	2216

Customer

Contract No.

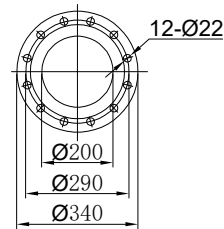
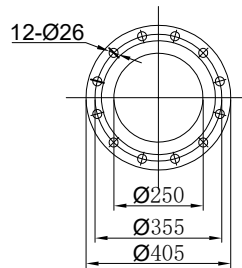
Position No.

Unit: mm, unless other stated



DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB200L-4	30	950	185	670	1200	55	730	1800	110	300	1789	180	30	4-M24X500	871
Y/YB225S-4	37	950	185	670	1200	60	730	1800	110	300	1850	180	30	4-M24X500	931
Y/YB225M-4	45	950	185	670	1200	60	730	1800	110	300	1875	180	30	4-M24X500	946
Y/YB250M-4	55	950	185	670	1200	65	730	1800	110	300	1960	180	30	4-M24X500	1086
Y/YB280S-4	75	970	205	670	1350	75	730	2000	110	325	2030	180	30	4-M24X500	1250
Y/YB280M-4	90	970	205	670	1350	75	730	2000	110	325	2080	180	30	4-M24X500	1365
Y/YB315S-4	110	970	205	670	1500	80	730	2200	110	350	2230	180	30	4-M24X500	1768
Y/YB315L1-4	160	970	205	670	1500	80	730	2200	110	350	2330	180	30	4-M24X500	1938

Customer

Contract No.

Position No.



Centrifugal Pump "SMA" with wearing liners

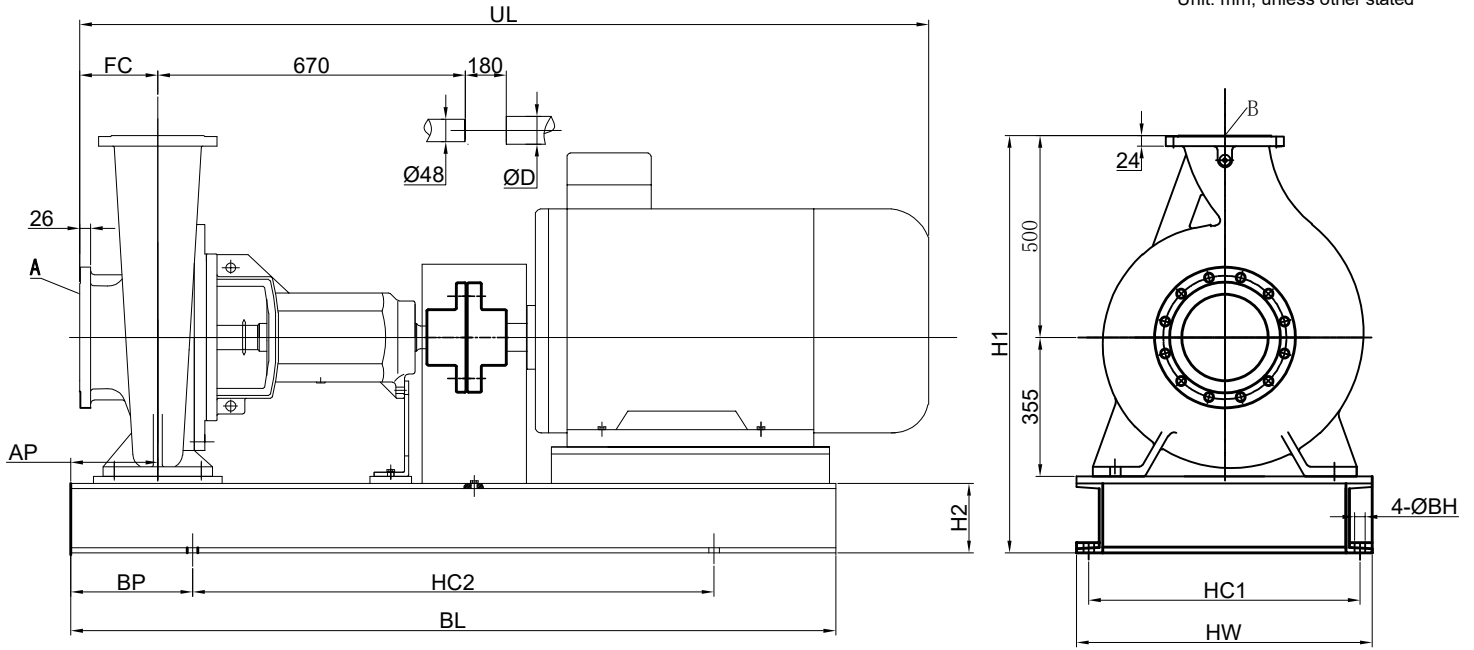
ISO2858/5199 Standard

Type :  
SMA250-200-400

Drawing No.

SMA250-200-400

Unit: mm, unless other stated

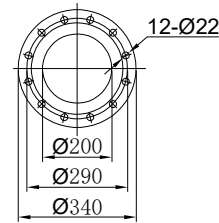
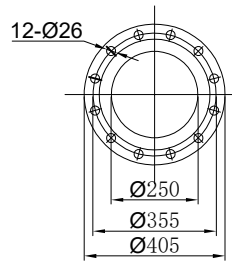


A DN250

B DN200

DIN2501 PN 1.6MPa

DIN2501 PN 1.6MPa



Motor		H1	H2	HC1	HC2	D	HW	BL	AP	BP	UL	FC	BH	Foundation bolt	Unit Weight KG
Model	Power KW														
Y/YB280S-4	75	1060	205	670	1350	75	730	2000	110	325	2030	180	30	4-M24X500	1337
Y/YB280M-4	90	1060	205	670	1350	75	730	2000	110	325	2080	180	30	4-M24X500	1452
Y/YB315S-4	110	1060	205	670	1500	80	730	2200	110	350	2230	180	30	4-M24X500	1852
Y/YB315M-4	132	1060	205	670	1500	80	730	2200	110	350	2280	180	30	4-M24X500	1907
Y/YB315L1-4	160	1060	205	670	1500	80	730	2200	110	350	2330	180	30	4-M24X500	2027
Y/YB315L2-4	200	1060	205	670	1500	80	730	2200	110	350	2330	180	30	4-M24X500	2207

Customer

Contract No.

Position No.