

Data

Table of Contents

Metric Data Section Table of Contents	095
Typical Specifications	096
Assembly Drawing and Material Specifications.....	099
 Dimension Drawings:	
Basic Pump Dimensions.....	100
Setting Plans	102

HORIZONTAL END SUCTION PUMP SPECIFICATIONS (Metric)

PART 1. GENERAL

1.02 This specification includes the supply of ___ horizontal end suction pump(s). Pump(s) shall have a maximum ___mm diameter suction and ___mm diameter discharge. Each unit shall be furnished with a pump, base, coupling, coupling guard and driver.

1.02 QUALITY ASSURANCE

- F. All pumping equipment furnished under this Section shall be of a design and manufacture that has been used in similar applications, and it shall be demonstrated to the satisfaction of the Owner that the quality is equal to equipment made by that manufacturer specifically named herein.
- G. Unit responsibility. Pump(s), complete with motor, base, coupling, necessary guards and all other specified accessories and appurtenances shall be furnished by the pump manufacturer to insure compatibility and integrity of the individual components, and provide the specified warranty for all components.
- H. The horizontal end suction pump(s) specified in this section shall be furnished by and be the product of one manufacturer.
- I. Pumps are to be engineered and manufactured under a written Quality Assurance program. The Quality Assurance program is to be in effect for at least ten years, to include a written record of periodic internal and external audits to confirm compliance with such program.
- J. Pump(s) are to be engineered and manufactured under the certification of ISO-9001:2000.

1.04 PERFORMANCE

- E. The pump(s) shall be designed for continuous operation and will be operated continuously under normal service.
- F. OPERATION CRITERIA

	Flow (L/sec)	TDH (m.)	Max. Pump Speed (RPM)	Max. Shutoff Head (m)	NPSHR @ Rated Condition (m)
Design Condition					
Secondary Condition					

- G. Net positive suction head available at the centerline of the pump impeller is ___ feet at _____ GPM.
- H. Liquid pumped is _____ with a maximum temperature of ___ deg. C.

PART 2, PRODUCTS

2.02 PUMPS

C. Manufacturers

3. Pump(s) shall be the product of Fairbanks Morse Pump.
4. Manufacturer shall have installations of like or similar application with a minimum of 5 years service for this pump size.

D. Design

10. Rotation

- b. The pump will be (clockwise)(counterclockwise) rotation when viewed from the driver end looking at the pump.

11. Impeller

- c. The impeller shall be of one-piece construction, single suction), radial flow design. Impellers shall be of (304SS)(316SS)(316L SS)(Duplex SS) material.
- d. The impeller is to be balanced to a minimum G6.3 standard and secured to the shaft by means of an impeller nut and key. The arrangement shall be such that the impeller cannot be loosened from torque in either forward or reverse rotation.

12. Volute/Casing

- d. The volute shall be matched to the impeller and made of (304SS)(316SS)(316L SS)(Duplex SS). The volute is to be of one-piece design.
- e. The volute shall be flanged tangential discharge and capable of rotation in 45 degree increments to accommodate piping orientation. Diffusion vanes are not permitted.
- f. The casing shall be designed to permit the removal of the rotating assembly without disturbing the suction or discharge piping. The casing shall be hydrostatically tested to 1.5 times the design head or 1.25 times the shutoff head whichever is greater.

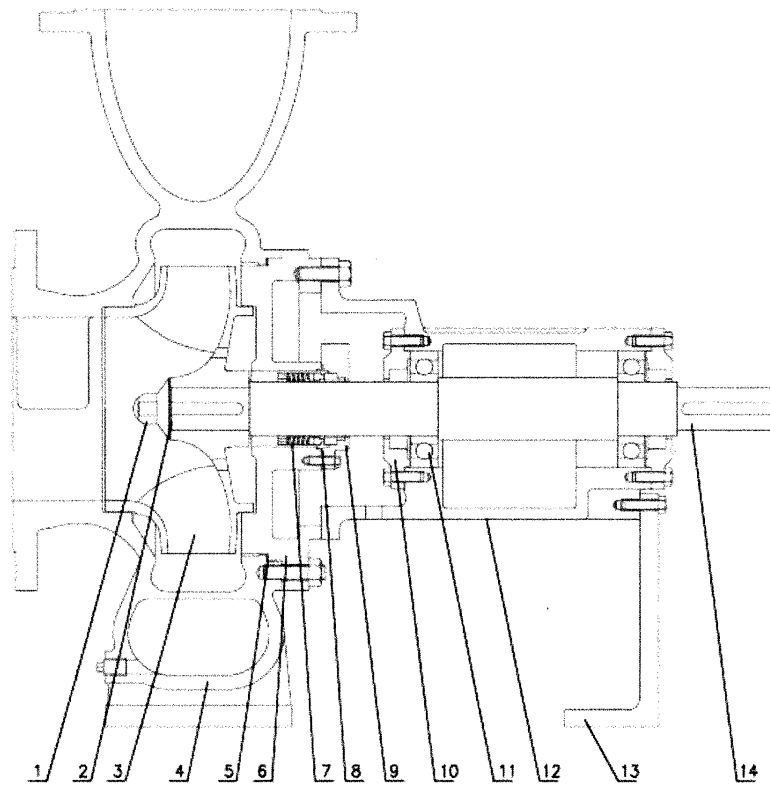
13. Backhead

- b. A separately cast backhead with integral sealing box shall be provided. The sealing box shall be designed for use with conventional mechanical seal without requiring re-machining.

14. Bearing Frame Assembly

- f. The bearing housing shall be close-grained cast iron conforming to ASTM A48 CL30 and of heavy, rugged design for carrying the bearings and machined for accurate and permanent bearing alignment completely enclosing the shaft between the bearings. The bearing housing shall be of dust-proof design, incorporating lip-type grease seals in contact with the shaft to prevent the entrance of contaminants.
- g. Pump shall be frame mounted to the base with pump supporting feet.
- h. The pump shaft shall be high-strength (420SS)(Duplex SS) of sufficient diameter to carry the maximum loads imposed and to prevent vibration and fatigue. Shaft deflection at the seal face is to be less than 0.05 mm under all operating conditions. The shaft shall be accurately machined along its entire length and precision ground at bearing locations. Keyways shall be provided at both ends.

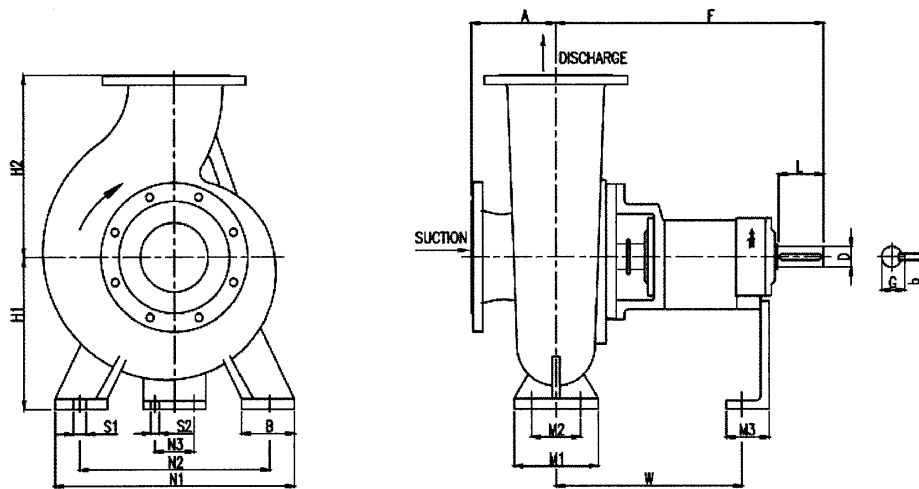
- i. Radial (inboard) bearings shall be single-row grease-lubricated ball bearings designed to carry the hydraulic radial loads encountered in the service conditions. Thrust (outboard) bearings shall be single-row designed to carry the pump hydraulic axial and dead load thrust.
 - j. Bearings shall be designed for an L10 life of 50,000 hours per AFBMA at best efficiency point.
15. Base and Coupling
- d. The combination pump and driver base shall be a heavy-duty fabricated steel open channel base with large access openings to facilitate grouting.
 - e. An all-metal shaft guard completely enclosing the coupling shall be provided.
 - f. The coupling shall be a (standard-flexible type)(spacer type designed to permit the removal of the rotating assembly without disturbing the motor or the suction or discharge piping).
16. Fits and Hardware
- b. The volute/casing, backhead, and frame shall be manufactured with concentric shoulder fits to assure accurate alignment.
17. Vibration Limitations (Field)
- b. The limits of vibration as set forth in the standards of the Hydraulic Institute shall govern.
18. Testing
- c. A certified factory hydrostatic and performance test shall be performed on each pumping unit in accordance with Hydraulic Institute Standards, latest edition. Tests shall be sufficient to determine the curves of head, input horsepower, and efficiency relative to capacity from shutoff to 150% of design flow. A minimum of six points, including shutoff, shall be taken for each test. At least one point of the six shall be taken as near as possible to each specified condition.
 - d. Results of the performance tests shall be certified by a Registered Professional Engineer and submitted for approval before final shipment.



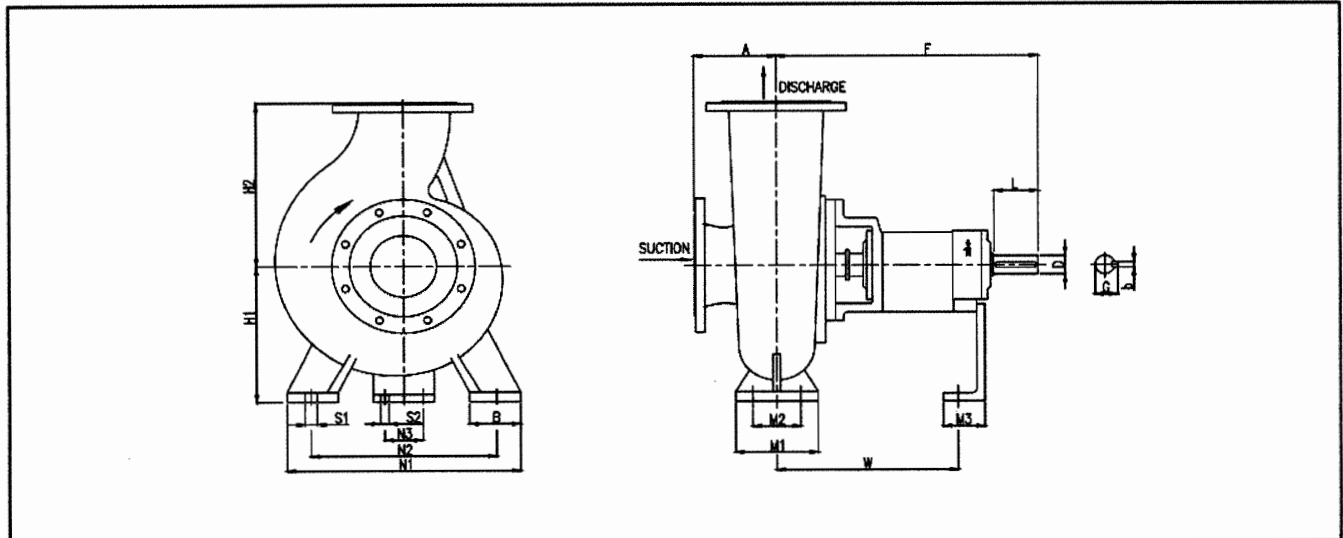
- | | |
|------------------------|---------------------------------|
| 1. Impeller Nuts | 8. Mechanical Seal Gland O ring |
| 2. Impeller nut gasket | 9. Mechanical Seal gland |
| 3. Impeller | 10. Bearing Gland |
| 4. Pump Casing | 11. Bearing |
| 5. Gasket | 12. Bearing bracket |
| 6. Pump Cover | 13. Support foot |
| 7. Mechanical Seal | 14. Shaft |

Materials of construction

Components Materials	Pump casing / Pump Cover	Impeller	Shaft	Power Frame	Others
Standard	Cast Iron SS 316	SS 304 SS 316	SS 420	Cast Iron	SS 420
Option	Cast Steel SS 304 SS 316L Duplex SS Alloy 20 Haynes Alloy	Cast Steel SS 316 L Duplex SS Alloy 20 Haynes Alloy	Duplex SS	Cast Steel	Cast Steel SS 304 SS 316 SS 316L Duplex SS Alloy 20 Haynes Alloy

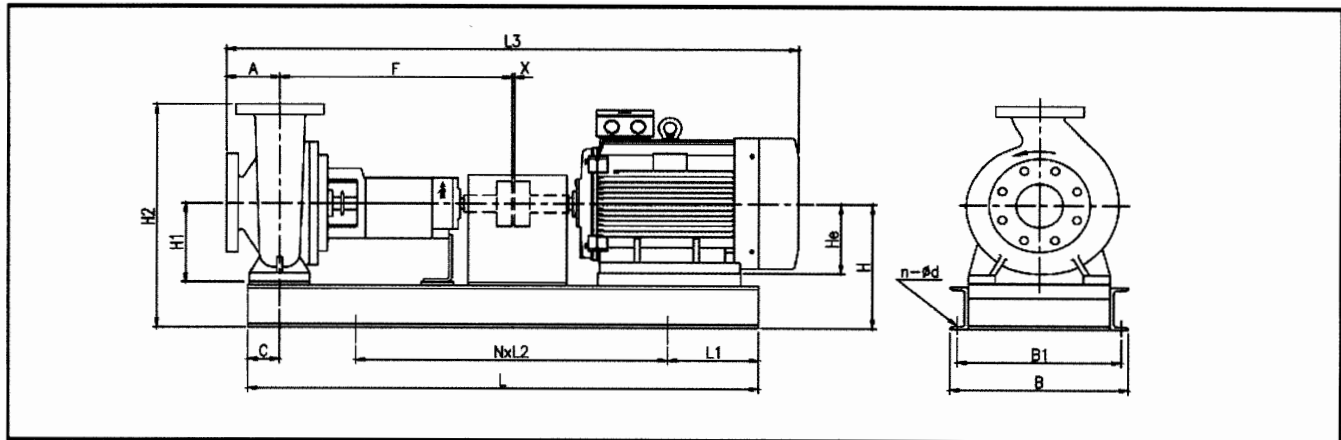


Pump Size	Diameter		Frame Size	Pump Dimensions				Mounting Dimensions							Shaft			Weight (kg)				
	Suc	Dis		A	F	H1	H2	B	M1	M2	M3	N1	N2	N3	W	ΦS1	ΦS2		ΦD	L	b	G
50-32-125	50	32	S	80	385	112	140	50	100	70	54	190	140	110	285	14.5	14.5	24	50	8	27.3	55
65-50-125	65	50	S	80	385	112	140	50	100	70	54	210	160	110	285	14.5	14.5	24	50	8	27.3	58
80-65-125	80	65	S	100	385	132	175	50	100	70	54	265	212	110	285	14.5	14.5	24	50	8	27.3	68
100-80-125	100	80	S	100	385	160	190	65	125	95	54	280	212	110	285	14.5	14.5	24	50	8	27.3	73
50-32-160	50	32	S	80	385	132	160	50	100	70	54	240	190	110	285	14.5	14.5	24	50	8	27.3	59
65-50-160	65	50	S	80	385	132	160	50	100	70	54	240	190	110	285	14.5	14.5	24	50	8	27.3	61
80-65-160	80	65	S	100	385	160	180	50	100	70	54	265	212	110	285	14.5	14.5	24	50	8	27.3	75
100-80-160	100	80	M	100	500	160	205	65	125	95	54	280	212	110	370	14.5	14.5	32	80	10	35.3	104
50-32-200	50	32	S	80	385	160	180	50	100	70	54	240	190	110	285	14.5	14.5	24	50	8	27.3	64
65-40-200	65	40	S	100	385	160	180	50	100	70	54	265	212	110	285	14.5	14.5	24	50	8	27.3	73
80-50-200	80	50	S	100	385	160	200	50	100	70	54	265	212	110	285	14.5	14.5	24	50	8	27.3	78
100-65-200	100	65	M	100	500	180	225	65	125	95	54	320	250	110	370	14.5	14.5	32	80	10	35.3	115
125-80-200	125	80	M	125	500	180	250	65	125	95	54	345	280	110	370	14.5	14.5	32	80	10	35.3	125
125-100-200	125	100	M	125	500	200	280	80	160	120	54	360	280	110	370	18.5	14.5	32	80	10	35.3	135
50-32-250	50	32	M	100	500	180	225	65	125	95	54	320	250	110	370	14.5	14.5	32	80	10	35.3	103
65-40-250	65	40	M	100	500	180	225	65	125	95	54	320	250	110	370	14.5	14.5	32	80	10	35.3	116
80-50-250	80	50	M	125	500	180	245	65	125	95	54	320	250	110	370	14.5	14.5	32	80	10	35.3	116
100-65-250	100	65	M	125	500	200	250	80	160	120	54	360	280	110	370	18.5	14.5	32	80	10	35.3	129
125-80-250	125	80	M	125	500	225	280	80	160	120	54	400	315	110	370	18.5	14.5	32	80	10	35.3	145
125-100-250	125	100	L	140	530	225	280	80	160	120	54	400	315	110	370	18.5	14.5	42	110	12	45.3	196
150-125-250	150	125	L	140	530	250	355	80	160	120	54	400	315	110	370	18.5	14.5	42	110	12	45.3	223
200-150-250	200	150	L	160	530	280	375	100	200	150	54	500	400	110	370	24	14.5	42	110	12	45.3	270
200-200-250	200	200	XL	180	625	315	450	100	200	150	54	550	400	140	455	24	14.5	48	110	14	51.8	291
65-40-315	65	40	M	125	500	200	250	65	125	95	54	345	300	110	370	14.5	14.5	32	80	10	35.3	145
80-50-315	80	50	M	125	500	225	280	65	125	95	54	345	280	110	370	14.5	14.5	32	80	10	35.3	151

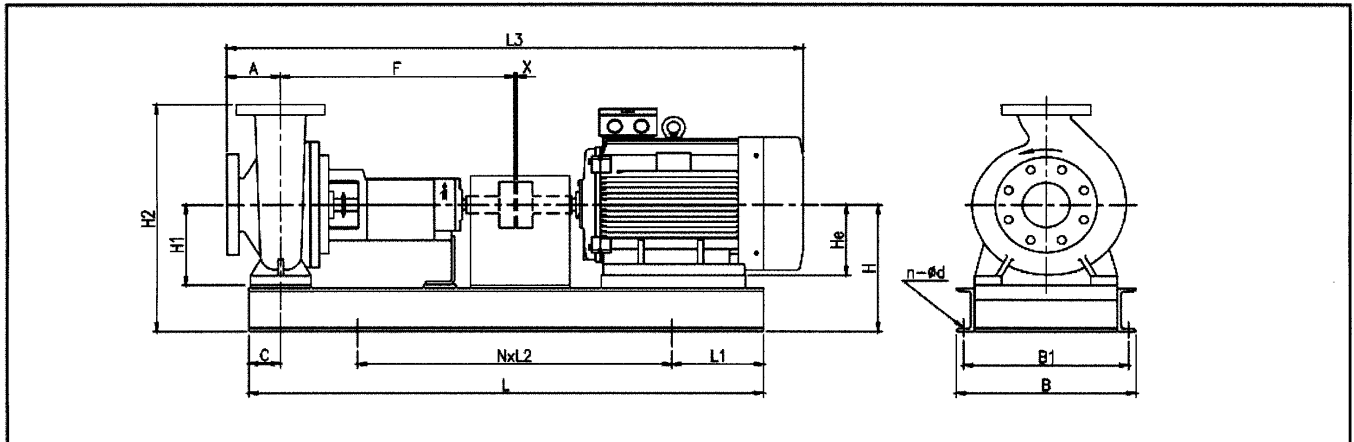


Pump Size	Diameter		Frame Size	Pump Dimensions				Mounting Dimensions							Shaft			Weight (kg)				
	Suc	Dis		A	F	H1	H2	B	M1	M2	M3	N1	N2	N3	W	ΦS1	ΦS2		ΦD	L	b	G
*100-85-315	100	65	L	125	530	225	280	80	160	120	54	400	315	110	370	18.5	14.5	42	110	12	45.3	204
**100-85-315	100	65	XL	125	600	225	280	80	160	120	54	400	315	110	440	18.5	14.5	42	110	12	45.3	204
*125-80-315	125	80	L	125	530	250	315	80	160	120	54	400	315	110	370	18.5	14.5	42	110	12	45.3	210
**125-80-315	125	80	XL	125	600	250	315	80	160	120	54	400	315	110	440	18.5	14.5	42	110	12	45.3	210
*125-100-315	125	100	L	140	530	250	345	80	160	120	54	400	315	110	370	18.5	14.5	42	110	12	45.3	213
**125-100-315	125	100	XL	140	600	250	345	80	160	120	54	400	315	110	440	18.5	14.5	42	110	12	45.3	213
150-125-315	150	125	L	140	530	280	355	100	200	150	54	500	400	110	370	24	14.5	42	110	12	45.3	283
200-150-315	200	150	XL	160	625	315	400	100	200	150	54	550	450	110	455	24	14.5	48	110	14	51.8	293
250-200-315	250	200	XL	200	625	355	450	100	200	150	54	550	450	140	455	24	14.5	48	110	14	51.8	361
300-250-315	300	250	XL	250	625	400	550	120	240	180	54	680	580	140	455	27	14.5	48	110	14	51.8	452
350-300-315	350	300	XXL	250	710	400	600	120	240	180	54	680	580	140	510	27	14.5	60	140	20	64.4	553
*125-80-400	125	80	L	125	530	280	355	80	160	120	54	435	355	110	370	18.5	14.5	42	110	12	45.3	267
**125-80-400	125	80	XXL	125	685	280	355	80	160	120	54	435	355	110	485	18.5	14.5	60	140	18	64.4	322
*125-100-400	125	100	L	140	530	280	375	100	200	150	54	500	400	110	370	24	14.5	42	110	12	45.3	284
**125-100-400	125	100	XXL	140	685	295	375	100	200	150	54	500	400	110	485	24	14.5	60	140	18	64.4	415
150-125-400	150	125	L	140	530	315	400	100	200	150	54	500	400	110	370	24	14.5	42	110	12	45.3	281
200-150-400	200	150	XL	160	625	315	450	100	200	150	54	550	450	140	455	24	14.5	48	110	14	51.8	348
250-200-400	250	200	XL	180	625	355	500	100	200	150	54	550	450	140	455	24	14.5	48	110	14	51.8	423
300-250-400	300	250	XXL	200	710	375	550	120	240	180	54	600	500	140	510	27	14.5	60	140	18	64.4	536
350-300-400	350	300	XXL	240	710	450	650	140	300	200	54	700	600	140	510	27	14.5	60	140	18	64.4	602
200-150-500	200	150	XL	180	625	375	500	100	200	150	54	550	450	140	455	24	14.5	48	110	14	51.8	437
250-200-500	250	200	XXL	200	710	400	550	100	200	150	54	650	550	140	510	27	14.5	60	140	18	64.4	530
300-250-500	300	250	XXXL	200	710	425	620	120	240	180	54	700	600	140	510	27	14.5	75	140	20	79.9	671
350-300-500	350	300	XXXL	250	710	450	700	140	300	200	54	850	750	140	510	27	14.5	75	140	20	79.9	753

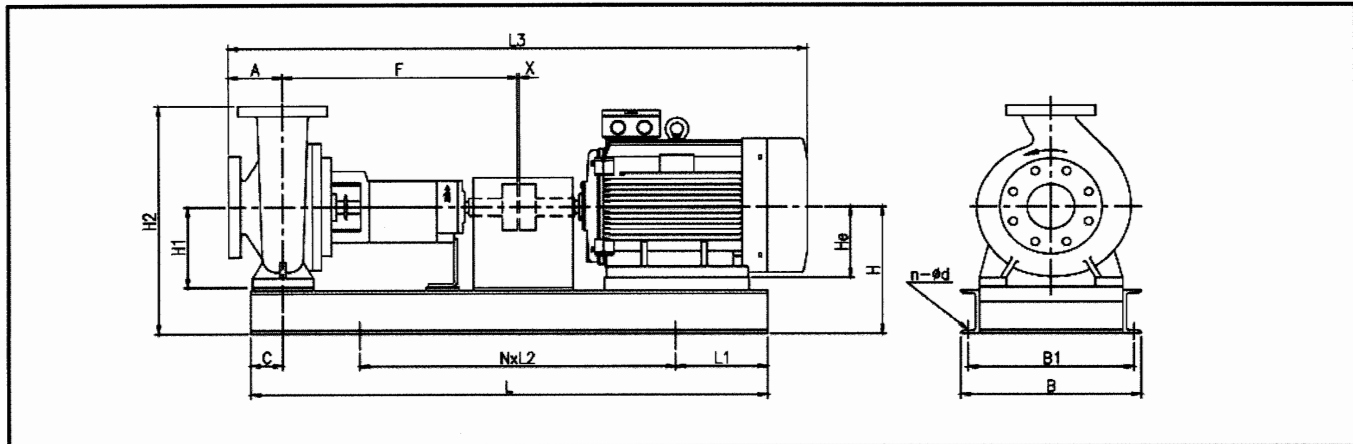
NOTE: THE SPEED WITH "*" PUMP IS AT 1450RPM, THE SPEED WITH "**" PUMP IS AT 2900RPM.



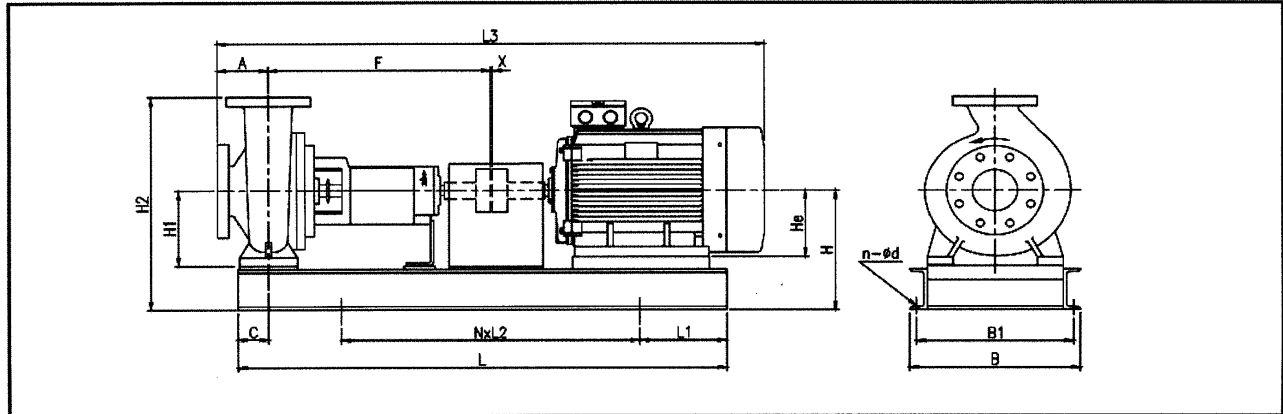
PUMP SIZE	MOTOR SIZE	A	F	X	H1	H2	H	He	L1	NxL2	L3	L	C	B1	B	n-φd	Wt. (kg)
50-32-125	112M-2/4KW	80	385	2	112	382	242	112	100	1x590	869	790	70	310	350	4-φ15	124
	100L-2/3KW	80	385	2	112	382	242	100	100	1x580	855	780	70	310	350	4-φ15	117
	90L-2/2.2KW	80	385	2	112	382	242	90	100	1x550	810	750	70	310	350	4-φ15	109
	90S-2/1.5KW	80	385	2	112	382	242	90	100	1x550	785	750	70	310	350	4-φ15	106
	802-4/0.75KW	80	385	2	112	382	242	80	100	1x500	765	700	70	310	350	4-φ15	96
	801-4/0.55KW	80	385	2	112	382	242	80	100	1x500	765	700	70	310	350	4-φ15	95
	712-4/0.37KW	80	385	2	112	382	242	71	100	1x475	720	675	70	310	350	4-φ15	94
65-50-125	112M-2/4KW	80	385	2	112	382	242	112	100	1x590	870	790	70	310	350	4-φ15	130
	100L-2/3KW	80	385	2	112	382	242	100	100	1x580	855	780	70	310	350	4-φ15	123
	90L-2/2.2KW	80	385	2	112	382	242	90	100	1x550	810	750	70	310	350	4-φ15	110
	90S-4/1.1KW	80	385	2	112	382	242	90	100	1x550	785	750	70	310	350	4-φ15	107
	802-4/0.75KW	80	385	2	112	382	242	80	100	1x500	765	700	70	310	350	4-φ15	101
	801-4/0.55KW	80	385	2	112	382	242	80	100	1x500	765	700	70	310	350	4-φ15	100
80-65-125	132S2-2/7.5KW	100	385	3	132	417	242	132	100	1x640	961	840	70	350	390	4-φ15	166
	132S1-2/5.5KW	100	385	3	132	417	242	132	100	1x640	961	840	70	350	390	4-φ15	163
	112M-2/4KW	100	385	2	132	417	242	112	100	1x590	890	790	70	310	350	4-φ15	133
	90L-4/1.5KW	100	385	2	132	417	242	90	100	1x550	805	750	70	310	350	4-φ15	114
	90S-4/1.1KW	100	385	2	132	417	242	90	100	1x550	805	750	70	310	350	4-φ15	108
	802-4/0.75KW	100	385	2	132	417	242	80	100	1x500	785	700	70	310	350	4-φ15	108
100-80-125	180M1-2/11KW	100	385	3	160	460	270	160	100	1x800	1106	1000	70	400	440	4-φ15	215
	132S2-2/7.5KW	100	385	3	160	460	270	132	100	1x640	961	840	70	350	390	4-φ15	170
	100L1-4/2.2KW	100	385	2	160	460	270	100	100	1x580	875	780	70	310	350	4-φ15	132
	90L-4/1.5KW	100	385	2	160	460	270	90	100	1x550	830	750	70	310	350	4-φ15	120
	90S-4/1.1KW	100	385	2	160	460	270	90	100	1x550	805	750	70	310	350	4-φ15	120
50-32-160	132S1-2/5.5KW	80	385	3	132	402	242	132	100	1x640	941	840	70	350	390	4-φ15	153
	112M-2/4KW	80	385	2	132	402	242	112	100	1x590	870	790	70	310	350	4-φ15	128
	100L-2/3KW	80	385	2	132	402	242	100	100	1x580	855	780	70	310	350	4-φ15	121
	90L-2/2.2KW	80	385	2	132	402	242	90	100	1x550	810	750	70	310	350	4-φ15	113
	90S-2/1.5KW	80	385	2	132	402	242	90	100	1x550	785	750	70	310	350	4-φ15	110
	90S-4/1.1KW	80	385	2	132	402	242	90	100	1x550	785	750	70	310	350	4-φ15	104
	802-4/0.75KW	80	385	2	132	402	242	80	100	1x500	765	700	70	310	350	4-φ15	104
	801-4/0.55KW	80	385	2	132	402	242	80	100	1x500	765	700	70	310	350	4-φ15	103



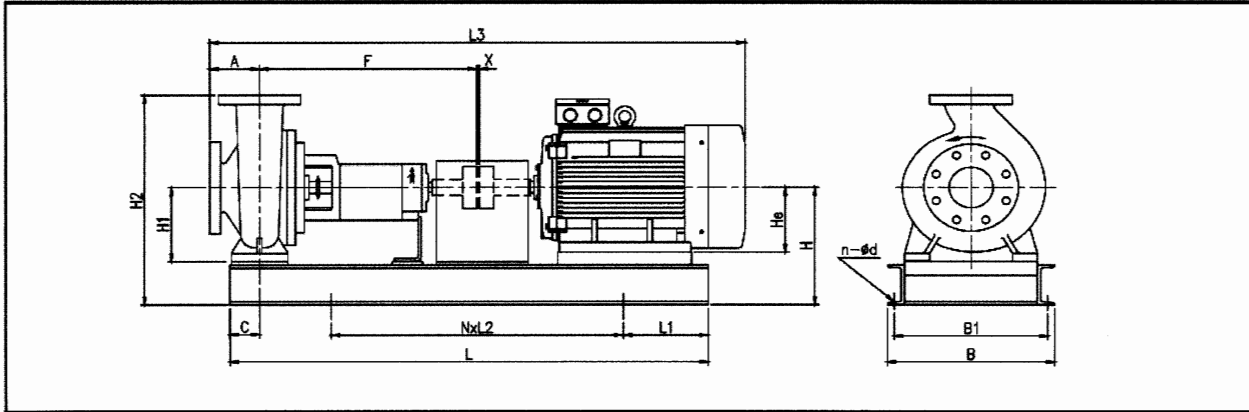
PUMP SIZE	MOTOR SIZE	A	F	X	H1	H2	H	He	L1	NxL2	L3	L	C	B1	B	n-φd	Wt. (kg)
65-50-160	160M1-2/11KW	80	385	3	132	430	270	160	100	1x800	1086	1000	70	400	440	4-φ15	207
	132S2-2/7.5KW	80	385	3	132	402	242	132	100	1x640	941	840	70	350	390	4-φ15	161
	132S1-2/5.5KW	80	385	3	132	402	242	132	100	1x640	941	840	70	350	390	4-φ15	158
	112M-2/4KW	80	385	2	132	402	242	112	100	1x590	870	790	70	310	350	4-φ15	130
	100L-2/3KW	80	385	2	132	402	242	100	100	1x580	855	780	70	310	350	4-φ15	124
	100L1-4/2.2KW	80	385	2	132	402	242	100	100	1x580	855	780	70	310	350	4-φ15	124
	90L-4/1.5KW	80	385	2	132	402	242	90	100	1x550	810	750	70	310	350	4-φ15	112
	90S-4/1.1KW	80	385	2	132	402	242	90	100	1x550	785	750	70	310	350	4-φ15	109
80-65-160	802-4/0.75KW	80	385	2	132	402	242	80	100	1x500	765	700	70	310	350	4-φ15	102
	160M2-2/15KW	100	385	3	160	450	270	160	100	1x800	1106	1000	70	400	440	4-φ15	226
	160M1-2/11KW	100	385	3	160	450	270	160	100	1x800	1106	1000	70	400	440	4-φ15	216
	132S2-2/7.5KW	100	385	3	160	450	270	132	100	1x640	961	840	70	350	390	4-φ15	170
	132S1-2/5.5KW	100	385	3	160	450	270	132	100	1x640	961	840	70	350	390	4-φ15	167
	112M-2/4KW	100	385	2	160	450	270	112	100	1x590	890	780	70	335	375	4-φ15	142
	100L1-4/2.2KW	100	385	2	160	450	270	100	100	1x580	875	780	70	310	350	4-φ15	136
100-80-160	90L-4/1.5KW	100	385	2	160	450	270	90	100	1x550	830	750	70	310	350	4-φ15	122
	90S-4/1.1KW	100	385	2	160	450	270	90	100	1x550	805	750	70	310	350	4-φ15	116
	180M-2/22KW	100	500	3	160	560	355	180	150	1x840	1336	1140	85	435	485	4-φ19	347
	160L-2/18.5KW	100	500	3	160	540	335	160	150	1x830	1276	1130	85	400	460	4-φ19	298
	160M2-2/15KW	100	500	3	160	540	335	160	150	1x830	1221	1130	85	400	460	4-φ19	281
	160M1-2/11KW	100	500	3	160	540	335	160	150	1x830	1221	1130	85	400	460	4-φ19	271
	132S2-2/7.5KW	100	500	3	160	520	315	132	150	1x740	1076	1040	85	360	410	4-φ19	223
	132S-4/5.5KW	100	500	3	160	520	315	132	150	1x740	1076	1040	85	360	410	4-φ19	220
	112M-4/4KW	100	500	2	160	520	315	112	150	1x820	1005	920	85	360	410	4-φ19	206
	100L2-4/3KW	100	500	2	160	540	335	100	150	1x610	990	910	85	360	410	4-φ19	197
100L1-4/2.2KW	100	500	2	160	540	335	100	150	1x610	990	910	85	360	410	4-φ19	196	
50-32-200	160M1-2/11KW	80	385	3	160	450	270	160	100	1x800	1086	1000	70	400	440	4-φ15	210
	132S2-2/7.5KW	80	385	3	160	450	270	132	100	1x640	941	840	70	350	390	4-φ15	164
	132S1-2/5.5KW	80	385	3	160	450	270	132	100	1x640	941	840	70	350	390	4-φ15	161
	112M-2/4KW	80	385	2	160	450	270	112	100	1x590	870	790	70	310	350	4-φ15	132
	100L-2/3KW	80	385	2	160	450	270	100	100	1x580	855	780	70	310	350	4-φ15	125
	100L1-4/2.2KW	80	385	2	160	450	270	100	100	1x580	855	780	70	310	350	4-φ15	124
	90L-4/1.5KW	80	385	2	160	450	270	90	100	1x550	810	750	70	310	350	4-φ15	111
	90S-4/1.1KW	80	385	2	160	450	270	90	100	1x550	785	750	70	310	350	4-φ15	111
802-4/0.75KW	80	385	2	160	450	270	80	100	1x500	765	700	70	310	350	4-φ15	105	



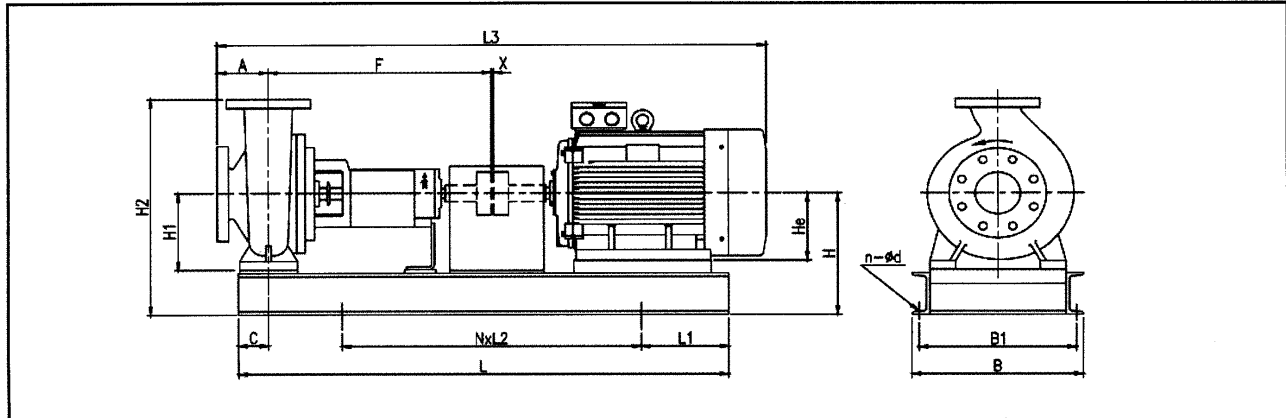
PUMP SIZE	MOTOR SIZE	A	F	X	H1	H2	H	He	L1	NxL2	L3	L	C	B1	B	n-φd	Wt. (kg)
65-40-200	160L-2/18.5KW	100	385	3	160	450	270	160	100	1x800	1161	1000	70	400	440	4-φ15	244
	160M2-2/15KW	100	385	3	160	450	270	180	100	1x800	1108	1000	70	400	440	4-φ15	227
	160M1-2/11KW	100	385	3	160	450	270	160	100	1x800	1106	1000	70	400	440	4-φ15	217
	132S2-2/7.5KW	100	385	3	160	450	270	132	100	1x640	961	840	70	350	390	4-φ15	169
	132S1-2/5.5KW	100	385	3	160	450	270	132	100	1x640	961	840	70	350	390	4-φ15	166
	112M-2/4KW	100	385	3	160	450	270	112	100	1x590	891	790	70	310	350	4-φ15	147
	100L2-4/3KW	100	385	2	160	450	270	100	100	1x580	875	780	70	310	350	4-φ15	136
	100L1-4/2.2KW	100	385	2	160	450	270	100	100	1x580	875	780	70	310	350	4-φ15	135
	90L-4/1.5KW	100	385	2	160	450	270	90	100	1x550	830	750	70	310	350	4-φ15	121
90S-4/1.1KW	100	385	2	160	450	270	90	100	1x550	805	750	70	310	350	4-φ15	115	
80-50-200	200L1-2/30KW	100	385	4	160	510	310	200	100	1x910	1282	1110	70	505	545	4-φ15	361
	180M-2/22KW	100	385	3	160	490	290	180	100	1x800	1221	1000	70	425	465	4-φ15	281
	160L-2/18.5KW	100	385	3	160	470	270	160	100	1x800	1181	1000	70	400	440	4-φ15	246
	160M2-2/15KW	100	385	3	160	470	270	160	100	1x800	1106	1000	70	400	440	4-φ15	229
	160M1-2/11KW	100	385	3	160	470	270	160	100	1x800	1106	1000	70	400	440	4-φ15	219
	132S2-2/7.5KW	100	385	3	160	470	270	132	100	1x640	961	840	70	350	390	4-φ15	172
	132S-4/5.5KW	100	385	3	160	470	270	132	100	1x640	961	840	70	350	390	4-φ15	169
	112M-4/4KW	100	385	2	160	470	270	112	100	1x590	890	790	70	310	350	4-φ15	155
	100L2-4/3KW	100	385	2	160	470	270	100	100	1x580	875	780	70	310	350	4-φ15	146
100L1-4/2.2KW	100	385	2	160	470	270	100	100	1x580	875	780	70	310	350	4-φ15	145	
100-65-200	225M-2/45KW	100	500	4	180	605	380	225	150	1x940	1427	1240	85	515	565	4-φ19	503
	200L2-2/37KW	100	500	4	180	580	355	200	150	1x910	1377	1210	85	475	525	4-φ19	445
	200L1-2/30KW	100	500	4	180	580	355	200	150	1x910	1377	1210	85	475	525	4-φ19	426
	180M-2/22KW	100	500	3	180	560	335	180	150	1x840	1336	1140	85	435	485	4-φ19	363
	160L-2/18.5KW	100	500	3	180	560	335	160	150	1x830	1276	1130	85	400	460	4-φ19	308
	160M2-2/15KW	100	500	3	180	560	335	160	150	1x830	1221	1130	85	400	460	4-φ19	291
	160M-4/11KW	100	500	3	180	560	335	160	150	1x740	1221	1130	85	400	460	4-φ19	287
	132M-4/7.5KW	100	500	3	180	560	335	132	150	1x740	1116	1040	85	400	450	4-φ19	247
	132S-4/5.5KW	100	500	3	180	560	335	132	150	1x740	1078	1040	85	400	450	4-φ19	235
	112M-4/4KW	100	500	2	180	560	335	112	150	1x620	1005	920	85	400	450	4-φ19	210
	100L2-4/3KW	100	500	2	180	560	335	100	150	1x810	990	910	85	400	450	4-φ19	201



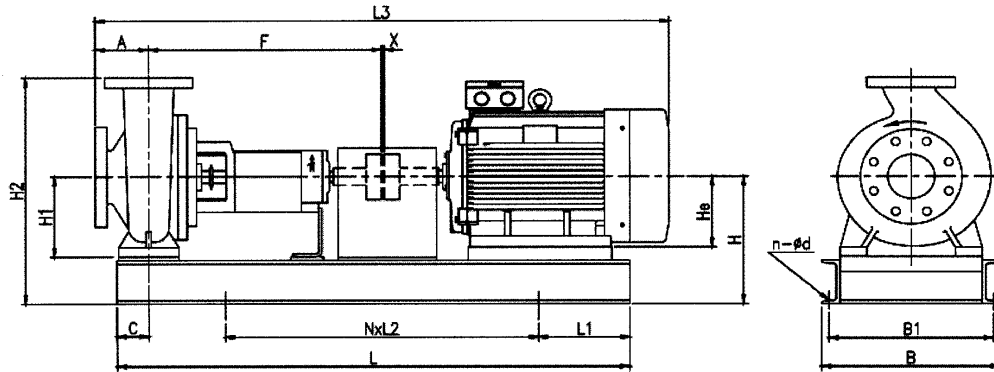
PUMP SIZE	MOTOR SIZE	A	F	X	H1	H2	H	He	L1	NxL2	L3	L	C	B1	B	n-φd	Wt (kg)
125-80-200	225M-2/45KW	125	500	4	180	630	380	225	150	1x940	1452	1240	85	515	585	4-φ19	512
	200L2-2/37KW	125	500	4	180	605	355	200	150	1x910	1402	1210	85	475	525	4-φ19	454
	200L1-2/30KW	125	500	4	180	605	355	200	150	1x910	1402	1210	85	475	525	4-φ19	435
	180M-2/22KW	125	500	3	180	585	335	180	150	1x840	1361	1140	85	435	485	4-φ19	365
	160L-2/18.5KW	125	500	3	180	585	335	160	150	1x830	1301	1130	85	400	480	4-φ19	330
	160M2-2/15KW	125	500	3	180	585	335	160	150	1x830	1248	1130	85	400	480	4-φ19	313
	132M-4/7.5KW	125	500	3	180	585	335	132	150	1x740	1141	1040	85	400	450	4-φ19	265
	132S-4/5.5KW	125	500	3	180	585	335	132	150	1x740	1101	1040	85	400	450	4-φ19	253
	112M-4/4KW	125	500	2	180	585	335	112	150	1x620	1030	920	85	400	450	4-φ19	226
	100L2-4/3KW	125	500	2	180	585	335	100	150	1x610	1015	910	85	400	450	4-φ19	210
125-100-200	280S-2/75KW	125	500	4	200	715	435	280	150	2x565	1617	1430	85	635	685	6-φ19	745
	250M-2/55KW	125	500	4	200	685	405	250	150	2x525	1542	1340	85	570	620	6-φ19	615
	225M-2/45KW	125	500	4	200	680	380	225	150	1x940	1452	1240	85	515	585	4-φ19	516
	200L2-2/37KW	125	500	4	200	635	355	200	150	1x910	1402	1210	85	475	525	4-φ19	458
	200L1-2/30KW	125	500	4	200	635	355	200	150	1x910	1402	1210	85	475	525	4-φ19	439
	180M-2/22KW	125	500	4	200	635	355	180	150	1x840	1332	1140	85	435	485	4-φ19	388
	160M-4/11KW	125	500	3	200	635	355	160	150	1x830	1246	1130	85	400	480	4-φ19	314
	132M-4/7.5KW	125	500	3	200	635	355	132	150	1x740	1141	1040	85	400	450	4-φ19	261
	132S-4/5.5KW	125	500	3	200	635	355	132	150	1x740	1101	1040	85	400	450	4-φ19	249
	112M-4/4KW	125	500	2	200	635	355	112	150	1x620	1030	920	85	400	450	4-φ19	232
50-32-250	160L-2/18.5KW	100	500	3	180	560	335	160	150	1x830	1278	1130	85	400	480	4-φ19	297
	160M2-2/15KW	100	500	3	180	560	335	160	150	1x830	1221	1130	85	400	480	4-φ19	280
	160M1-2/11KW	100	500	3	180	560	335	160	150	1x830	1221	1130	85	400	480	4-φ19	270
	132S2-2/7.5KW	100	500	3	180	560	335	132	150	1x740	1078	1040	85	400	450	4-φ19	221
	132S-4/5.5KW	100	500	3	180	560	335	132	150	1x740	1078	1040	85	400	450	4-φ19	216
	112M-4/4KW	100	500	2	180	560	335	112	150	1x740	1005	910	85	400	450	4-φ19	195
	100L2-4/3KW	100	500	2	180	560	335	100	150	1x610	990	910	85	400	450	4-φ19	186
	100L1-4/2.2KW	100	500	2	180	560	335	100	150	1x610	990	910	85	400	450	4-φ19	185
	90L-4/1.5KW	100	500	2	180	560	335	90	150	1x580	945	880	85	400	450	4-φ19	173
	65-40-250	225M-2/45KW	100	500	4	180	605	380	225	150	1x940	1427	1240	85	515	585	4-φ19
200L2-2/37KW		100	500	4	180	580	355	200	150	1x910	1377	1210	85	475	525	4-φ19	440
200L1-2/30KW		100	500	4	180	580	355	200	150	1x910	1377	1210	85	475	525	4-φ19	421
180M-2/22KW		100	500	3	180	580	335	180	150	1x840	1336	1140	85	435	485	4-φ19	344
160L-2/18.5KW		100	500	3	180	580	335	160	150	1x830	1276	1130	85	400	480	4-φ19	309
160M2-2/15KW		100	500	3	180	580	335	160	150	1x830	1221	1130	85	400	480	4-φ19	292
160M1-2/11KW		100	500	3	180	560	335	160	150	1x830	1221	1130	85	400	480	4-φ19	282
132S2-2/7.5KW		100	500	3	180	580	335	132	150	1x740	1078	1040	85	400	450	4-φ19	237
100L2-4/3KW		100	500	2	180	560	335	100	150	1x610	990	910	85	400	450	4-φ19	193
100L1-4/2.2KW		100	500	2	180	560	335	100	150	1x610	990	910	85	400	450	4-φ19	192
90L-4/1.5KW	100	500	2	180	560	335	90	150	1x580	945	880	85	400	450	4-φ19	180	



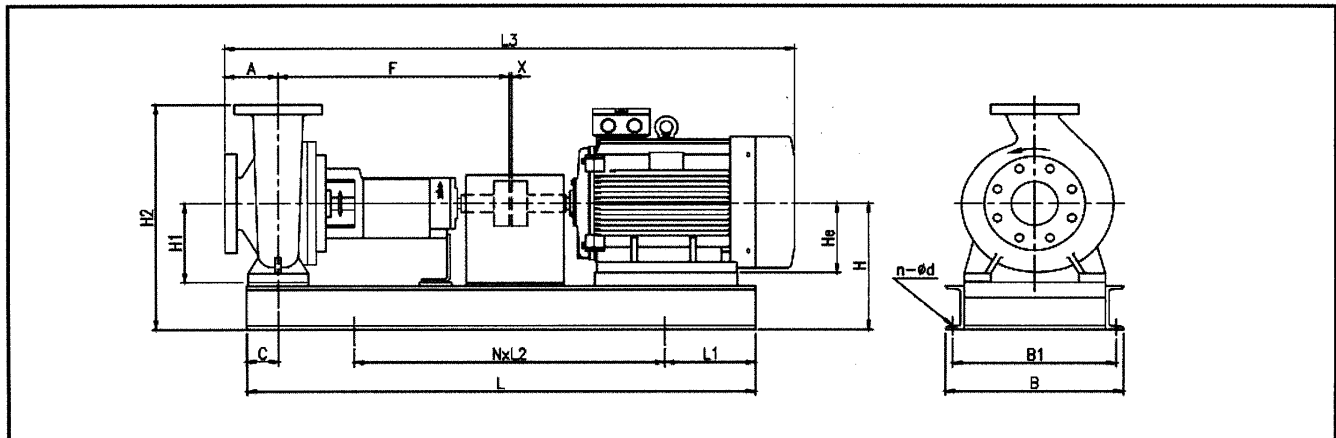
PUMP SIZE	MOTOR SIZE	A	F	X	H1	H2	H	He	L1	NxL2	L3	L	C	B1	B	n-φd	Wt. (kg)
80-50-250	200L2-2/37KW	125	500	4	180	600	355	200	150	1x910	1402	1210	85	475	525	4-φ19	453
	200L1-2/30KW	125	500	4	180	600	355	200	150	1x910	1402	1210	85	475	525	4-φ19	434
	180M-2/22KW	125	500	3	180	580	335	180	150	1x840	1361	1140	85	435	485	4-φ19	356
	160L-2/18.5KW	125	500	3	180	580	335	160	150	1x830	1301	1130	85	400	460	4-φ19	321
	160M2-2/15KW	125	500	3	180	580	335	160	150	1x830	1246	1130	85	400	460	4-φ19	304
	180M-4/11KW	125	500	3	180	580	335	160	150	1x830	1246	1130	85	410	460	4-φ19	300
	132M-4/7.5KW	125	500	3	180	580	335	132	150	1x740	1141	1040	85	400	450	4-φ19	249
	132S-4/5.5KW	125	500	3	180	580	335	132	150	1x740	1101	1040	85	400	450	4-φ19	237
	112M-4/4KW	125	500	2	180	580	335	112	150	1x620	1030	820	85	400	450	4-φ19	212
	100L2-4/3KW	125	500	2	180	580	335	100	150	1x610	1015	910	85	400	450	4-φ19	203
100L1-4/2.2KW	125	500	2	180	580	335	100	150	1x610	1015	910	85	400	450	4-φ19	202	
100-65-250	280S-2/75KW	125	500	4	200	685	435	280	150	2x565	1617	1430	85	635	685	6-φ19	744
	250M-2/55KW	125	500	4	200	655	405	250	150	2x520	1542	1340	85	570	620	6-φ19	614
	225M-2/45KW	125	500	4	200	630	380	225	150	1x940	1452	1240	85	515	565	6-φ19	515
	200L2-2/37KW	125	500	4	200	605	355	200	150	1x910	1402	1210	85	475	525	6-φ19	457
	200L1-2/30KW	125	500	4	200	605	355	200	150	1x910	1402	1210	85	475	525	6-φ19	438
	180M-2/22KW	125	500	4	200	605	355	180	150	1x840	1332	1140	85	435	485	6-φ19	387
	160M-4/11KW	125	500	3	200	605	355	160	150	1x830	1246	1130	85	400	460	6-φ19	327
	132M-4/7.5KW	125	500	3	200	605	355	132	150	1x740	1141	1040	85	400	450	6-φ19	269
	132S-4/5.5KW	125	500	3	200	605	355	132	150	1x740	1101	1040	85	400	450	6-φ19	247
125-80-250	280M-2/90KW	125	500	4	225	715	435	280	150	2x565	1667	1430	85	635	685	6-φ19	785
	280S-2/75KW	125	500	4	225	715	435	280	150	2x565	1617	1430	85	635	685	6-φ19	755
	250M-2/55KW	125	500	4	225	685	405	250	150	2x520	1542	1340	85	570	620	6-φ19	625
	225M-2/45KW	125	500	4	225	660	380	225	150	1x940	1452	1240	85	515	565	4-φ19	525
	200L2-2/37KW	125	500	4	225	660	380	200	150	1x910	1402	1210	85	475	525	4-φ19	467
	200L1-2/30KW	125	500	4	225	660	380	200	150	1x910	1332	1210	85	475	525	4-φ19	448
	160L-4/15KW	125	500	3	225	660	380	160	150	1x830	1301	1130	85	400	460	4-φ19	343
	180M-4/11KW	125	500	3	225	660	380	180	150	1x830	1246	1130	85	400	480	4-φ19	323
	132M-4/7.5KW	125	500	3	225	660	380	132	150	1x740	1141	1040	85	400	450	4-φ19	273
	132S-4/5.5KW	125	500	3	225	660	380	132	150	1x740	1101	1040	85	400	450	4-φ19	261
125-100-250	315M-2/132KW	140	530	4	225	820	540	315	200	2x600	1867	1600	100	825	885	6-φ19	1314
	315S-2/110KW	140	530	4	225	820	540	315	200	2x600	1837	1600	100	825	885	6-φ19	1264
	280M-2/90KW	140	530	4	225	785	505	280	200	2x540	1712	1480	100	635	695	6-φ19	867
	280S-2/75KW	140	530	4	225	785	505	280	200	2x540	1662	1480	100	635	695	6-φ19	837
	250M-2/55KW	140	530	4	225	730	450	250	200	1x980	1587	1380	100	570	630	6-φ19	707
	225M-2/45KW	140	530	4	225	705	425	225	200	1x920	1497	1310	100	515	575	4-φ19	624
	180L-4/22KW	140	530	3	225	730	450	180	200	1x820	1426	1220	100	480	540	4-φ19	472
	180M-4/18.5KW	140	530	3	225	730	450	180	200	1x820	1406	1220	100	480	540	4-φ19	458
	160L-4/15KW	140	530	3	225	730	450	160	200	1x780	1346	1180	100	480	540	4-φ19	424
	160M-4/11KW	140	530	3	225	730	450	160	200	1x780	1291	1180	100	480	540	4-φ19	404
	132M-4/7.5KW	140	530	3	225	730	450	132	200	1x680	1186	1080	100	480	540	4-φ19	360



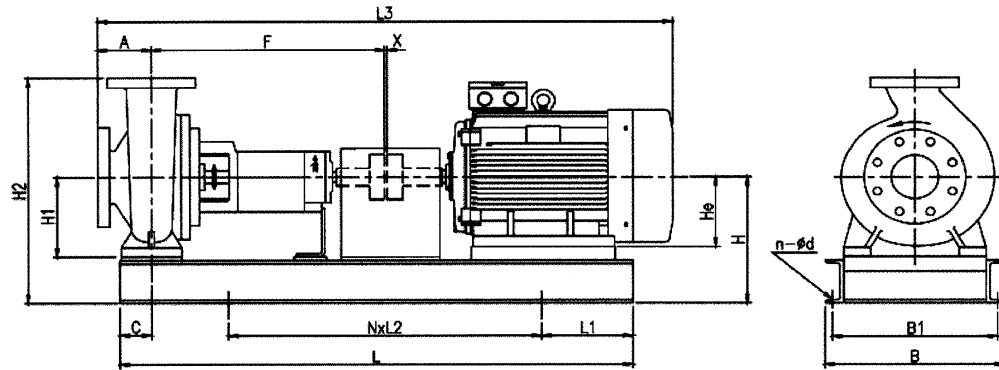
PUMP SIZE	MOTOR SIZE	A	F	X	H1	H2	H	He	L1	N x L2	L3	L	C	B1	B	n-φd	Wt. (kg)
150-125-250	225S-4/37KW	140	530	4	250	805	450	225	200	1x910	1492	1310	100	515	575	4-φ19	639
	200L-4/30KW	140	530	4	250	805	450	200	200	1x850	1447	1250	100	480	540	4-φ19	571
	180L-4/22KW	140	530	3	250	805	450	180	200	1x820	1426	1220	100	480	540	4-φ19	496
	180M-4/18.5KW	140	530	3	250	805	450	180	200	1x820	1406	1220	100	480	540	4-φ19	482
	180L-4/15KW	140	530	3	250	805	450	160	200	1x780	1346	1180	100	480	540	4-φ19	448
	160M-4/11KW	140	530	3	250	805	450	160	200	1x780	1346	1180	100	480	540	4-φ19	428
200-150-250	225M-4/45KW	160	530	4	280	855	480	225	200	1x910	1542	1310	100	580	640	4-φ19	710
	225S-4/37KW	160	530	4	280	855	480	225	200	1x910	1512	1310	100	580	640	4-φ19	675
	200L-4/30KW	160	530	4	280	855	480	200	200	1x970	1467	1370	100	630	690	4-φ19	615
	180L-4/22KW	160	530	3	280	855	480	180	200	1x820	1446	1220	100	580	640	4-φ19	549
200-200-250	225S-4/37KW	180	625	4	315	965	515	225	200	2x515	1627	1430	120	830	690	6-φ24	708
	200L-4/30KW	180	625	4	315	965	515	200	200	1x970	1582	1370	120	630	690	4-φ24	653
	180L-4/22KW	180	625	3	315	965	515	180	200	1x930	1561	1330	120	630	690	4-φ24	584
	180M-4/18.5KW	180	625	3	315	965	515	180	200	1x930	1541	1330	120	630	690	4-φ24	570
	160L-4/15KW	180	625	3	315	965	515	160	200	1x890	1481	1290	120	630	690	4-φ24	523
	160M-4/11KW	180	625	3	315	965	515	160	200	1x890	1426	1290	120	630	690	4-φ24	503
65-40-315	225M-2/45KW	125	500	4	200	630	380	225	150	1x940	1452	1240	85	515	565	4-φ19	520
	200L2-2/37KW	125	500	4	200	605	355	200	150	1x910	1402	1210	85	475	525	4-φ19	462
	200L1-2/30KW	125	500	4	200	605	355	200	150	1x910	1402	1210	85	475	525	4-φ19	443
	180M-2/22KW	125	500	3	200	605	355	180	150	1x840	1361	1140	85	435	485	4-φ19	369
	160L-2/18.5KW	125	500	3	200	605	355	160	150	1x830	1301	1130	85	400	460	4-φ19	334
	160M2-2/15KW	125	500	3	200	605	355	160	150	1x830	1301	1130	85	400	460	4-φ19	317
	160M-4/11KW	125	500	3	200	605	355	160	150	1x830	1246	1130	85	400	460	4-φ19	313
	132M-4/7.5KW	125	500	3	200	605	355	132	150	1x740	1141	1040	85	400	450	4-φ19	273
	132S-4/5.5KW	125	500	3	200	605	355	132	150	1x740	1101	1040	85	400	450	4-φ19	261
80-50-315	315S-2/110KW	125	500	4	225	750	470	315	150	2x600	1792	1500	85	715	765	6-φ19	1174
	280M-2/90KW	125	500	4	225	715	435	280	150	2x565	1667	1430	85	635	685	6-φ19	794
	280S-2/75KW	125	500	4	225	715	435	280	150	2x565	1617	1430	85	635	685	6-φ19	764
	250M-2/55KW	125	500	4	225	685	405	250	150	2x520	1542	1340	85	570	620	6-φ19	620
	225M-2/45KW	125	500	4	225	660	380	225	150	1x940	1452	1240	85	515	565	4-φ19	537
	200L2-2/37KW	125	500	4	225	680	380	200	150	1x910	1402	1210	85	475	525	4-φ19	479
	200L1-2/30KW	125	500	4	225	680	380	200	150	1x910	1402	1210	85	475	525	4-φ19	460
	180M-2/22KW	125	500	3	225	660	380	180	150	1x840	1361	1140	85	435	485	4-φ19	409
	160L-2/18.5KW	125	500	3	225	680	380	160	150	1x830	1301	1130	85	400	460	4-φ19	374
	160L-4/15KW	125	500	3	225	680	380	160	150	1x830	1301	1130	85	400	460	4-φ19	339
	160M-4/11KW	125	500	3	225	680	380	160	150	1x830	1246	1130	85	400	460	4-φ19	319
	132M-4/7.5KW	125	500	3	225	660	380	132	150	1x740	1141	1040	85	400	450	4-φ19	279



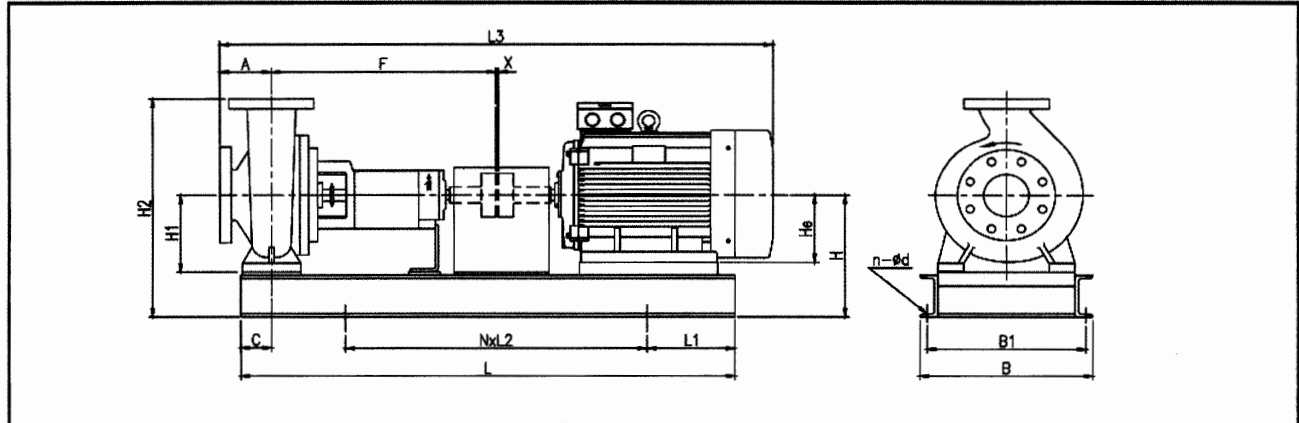
PUMP SIZE	MOTOR SIZE	A	F	X	H1	H2	H	He	L1	NxL2	L3	L	C	B1	B	n-Ød	Wt. (kg)
100-65-315	315M-2/132KW	125	530	4	225	820	540	315	270	2x600	1922	1670	100	825	885	6-Ø24	1321
	315S-2/110KW	125	530	4	225	820	540	315	270	2x600	1892	1670	100	825	885	6-Ø24	1271
	280M-2/90KW	125	530	4	225	785	505	280	270	2x540	1767	1550	100	635	695	6-Ø24	875
	280S-2/75KW	125	530	4	225	785	505	280	270	2x540	1717	1550	100	635	695	6-Ø24	845
	250M-2/55KW	125	530	4	225	730	450	250	270	1x980	1642	1450	100	570	630	4-Ø24	715
	200L2-2/37KW	125	530	4	225	705	425	200	270	1x850	1522	1320	100	480	540	4-Ø24	555
	180L-4/22KW	125	530	3	225	705	425	180	200	1x820	1411	1220	100	480	540	4-Ø24	478
	180M-4/18.5KW	125	530	3	225	705	425	180	200	1x820	1391	1220	100	480	540	4-Ø24	464
	160L-4/15KW	125	530	3	225	730	450	160	200	1x780	1331	1180	100	480	540	4-Ø24	430
	160M-4/11KW	125	530	3	225	730	450	160	200	1x780	1276	1180	100	480	540	4-Ø24	406
132M-4/7.5KW	125	530	3	225	730	450	132	200	1x680	1922	1670	100	480	540	4-Ø24	368	
125-80-315	315M-2/132KW	125	530	4	250	830	515	315	270	2x600	1892	1670	100	825	885	6-Ø24	1326
	315S-2/110KW	125	530	4	250	830	515	315	270	2x600	1767	1550	100	825	885	6-Ø24	1276
	280M-2/90KW	125	530	4	250	795	480	280	270	2x540	1717	1550	100	635	695	6-Ø24	880
	280S-2/75KW	125	530	4	250	795	480	280	270	2x540	1642	1450	100	635	695	6-Ø24	850
	250M-2/55KW	125	530	4	250	765	450	250	270	1x980	1552	1350	100	570	630	4-Ø24	720
	180L-4/22KW	125	530	3	250	765	450	180	200	1x820	1411	1220	100	480	540	4-Ø24	484
	180M-4/18.5KW	125	530	3	250	765	450	180	200	1x820	1391	1220	100	480	540	4-Ø24	470
160L-4/15KW	125	530	3	250	765	450	160	200	1x780	1331	1180	100	480	540	4-Ø24	436	
125-100-315	355M-2/250KW	140	530	4	250	900	555	355	270	2x680	2247	1830	100	821	881	6-Ø24	2052
	315L2-2/200KW	140	530	4	250	860	515	315	270	2x600	1937	1670	100	825	885	6-Ø24	1524
	315L1-2/180KW	140	530	4	250	860	515	315	270	2x600	1937	1670	100	825	885	6-Ø24	1434
	315M-2/132KW	140	530	4	250	860	515	315	270	2x600	1937	1670	100	825	885	6-Ø24	1324
	315S-2/110KW	140	530	4	250	860	515	315	270	2x600	1907	1670	100	824	884	6-Ø24	1274
	280M-2/90KW	140	530	4	250	825	480	280	270	2x540	1782	1550	100	635	695	6-Ø24	883
	280S-2/75KW	140	530	4	250	825	480	280	270	2x540	1732	1550	100	635	695	6-Ø24	853
	225M-4/45KW	140	530	4	250	795	450	225	200	1x910	1522	1310	100	515	575	4-Ø24	665
	225S-4/37KW	140	530	4	250	795	450	225	200	1x910	1492	1310	100	515	575	4-Ø24	630
	200L-4/30KW	140	530	4	250	795	450	200	200	1x850	1447	1250	100	480	540	4-Ø24	557
	180L-4/22KW	140	530	3	250	795	450	180	200	1x820	1426	1220	100	480	540	4-Ø24	487
	180M-4/18.5KW	140	530	3	250	795	450	180	200	1x820	1406	1220	100	480	540	4-Ø24	473
160L-4/15KW	140	530	3	250	795	450	160	200	1x780	1346	1180	100	480	540	4-Ø24	439	



PUMP SIZE	MOTOR SIZE	A	F	X	H1	H2	H	H _c	L1	NxL2	L3	L	C	B1	B	n-φd	Wt. (kg)
150-125-315	250M-4/55KW	140	530	4	280	835	480	250	200	1x960	1587	1380	100	580	640	4-φ24	790
	225M-4/45KW	140	530	4	280	835	480	225	200	1x910	1522	1310	100	580	640	4-φ24	727
	225S-4/37KW	140	530	4	280	835	480	225	200	1x910	1492	1310	100	580	640	4-φ24	692
	200L-4/30KW	140	530	4	280	835	480	200	200	1x830	1447	1230	100	580	640	4-φ24	620
	180L-4/22KW	140	530	3	280	835	480	180	200	1x820	1426	1220	100	580	640	4-φ24	551
200-150-315	280M-4/90KW	160	625	4	315	915	515	280	200	2x610	1827	1620	120	635	695	6-φ24	1031
	280S-4/75KW	160	625	4	315	915	515	280	200	2x610	1777	1620	120	635	695	6-φ24	941
	250M-4/55KW	160	625	4	315	915	515	250	200	2x550	1702	1500	120	630	690	6-φ24	799
	225M-4/45KW	160	625	4	315	915	515	225	200	2x515	1637	1430	120	630	690	6-φ24	736
	225S-4/37KW	160	625	4	315	915	515	225	200	2x515	1607	1430	120	630	690	6-φ24	701
250-200-315	280M-4/90KW	200	625	4	355	1005	555	280	200	2x610	1867	1620	120	635	695	6-φ24	1072
	280S-4/75KW	200	625	4	355	1005	555	280	200	2x610	1817	1620	120	635	695	6-φ24	982
	250M-4/55KW	200	625	4	355	1005	555	250	200	2x550	1742	1500	120	630	690	6-φ24	857
	225M-4/45KW	200	625	4	355	1005	555	225	200	2x515	1677	1430	120	630	690	6-φ24	794
	225S-4/37KW	200	625	4	355	1005	555	225	200	2x515	1647	1430	120	630	690	6-φ24	759
	200L-4/30KW	200	625	4	355	1005	555	200	200	1x970	1602	1370	120	630	690	4-φ24	704
300-250-315	280M-4/90KW	250	625	4	400	1150	600	280	200	2x610	1917	1620	140	760	820	6-φ24	1175
	280S-4/75KW	250	625	4	400	1150	600	280	200	2x610	1867	1620	140	760	820	6-φ24	1085
	250M-4/55KW	250	625	4	400	1150	600	250	200	2x550	1792	1500	140	760	820	6-φ24	943
	225M-4/45KW	250	625	4	400	1150	600	225	200	2x515	1727	1430	140	760	820	6-φ24	880
	225S-4/37KW	250	625	4	400	1150	600	225	200	2x515	1697	1430	140	760	820	6-φ24	845
350-300-315	315L-4/160KW	250	710	4	400	1200	600	315	200	2x720	2207	1840	120	835	895	6-φ24	1727
	315M-4/132KW	250	710	4	400	1200	600	315	200	2x720	2207	1840	120	835	895	6-φ24	1663
	315S-4/110KW	250	710	4	400	1200	600	315	200	2x720	2177	1840	120	835	895	6-φ24	1583
125-80-400	355M-2/250KW	125	685	4	280	910	555	355	200	2x735	1892	1500	140	830	890	6-φ24	2230
	315L2-2/200KW	125	685	4	280	870	515	315	200	2x700	2130	1880	120	730	790	6-φ24	1840
	315L1-2/160KW	125	685	4	280	870	515	315	200	2x700	2130	1880	120	730	790	6-φ24	1750
	315M-2/132KW	125	685	4	280	870	515	315	200	2x700	2130	1880	120	730	790	6-φ24	1680
	225M-4/45KW	125	530	4	280	835	480	225	200	1x910	1507	1310	100	515	575	4-φ24	695
	225S-4/37KW	125	530	4	280	835	480	225	200	1x910	1477	1310	100	515	575	4-φ24	660
	200L-4/30KW	125	530	4	280	835	480	200	200	1x850	1432	1250	100	515	575	4-φ24	605
	180L-4/22KW	125	530	3	280	835	480	180	200	1x820	1411	1220	100	515	575	4-φ24	536
	180M-4/18.5KW	125	530	3	280	835	480	180	200	1x820	1391	1220	100	515	575	4-φ24	522
	160L-4/15KW	125	530	3	280	835	480	160	200	1x780	1331	1180	100	515	575	4-φ24	488
	160M-4/11KW	125	530	3	280	835	480	160	200	1x780	1276	1180	100	515	575	4-φ24	468



PUMP SIZE	MOTOR SIZE	A	F	X	H1	H2	H	He	L1	NxL2	L3	L	C	B1	B	n-φd	Wt. (kg)
125-100-400	355L1-2/280KW	140	685	4	295	930	555	355	240	2x760	2265	1960	120	830	890	6-φ24	2490
	355M-2/250KW	140	685	4	295	930	555	355	240	2x760	2265	1960	120	830	890	6-φ24	2310
	315L2-2/200KW	140	685	4	295	890	515	355	240	2x725	2045	1960	120	830	890	6-φ24	1920
	315L1-2/180KW	140	685	4	295	890	515	355	240	2x725	2045	1960	120	830	890	6-φ24	1810
	315M-2/132KW	140	685	4	295	890	515	355	240	2x725	2045	1960	120	830	890	6-φ24	1730
	250M-4/55KW	140	530	4	280	855	480	250	200	1x980	1587	1380	100	580	640	4-φ24	791
	225M-4/45KW	140	530	4	280	855	480	225	200	1x910	1522	1310	100	580	640	4-φ24	726
	225S-4/37KW	140	530	4	280	855	480	225	200	1x910	1492	1310	100	580	640	4-φ24	693
	200L-4/30KW	140	530	4	280	855	480	200	200	1x830	1447	1230	100	580	640	4-φ24	619
	180L-4/22KW	140	530	3	280	855	480	180	200	1x820	1426	1220	100	580	640	4-φ24	552
	180M-4/18.5KW	140	530	3	280	855	480	180	200	1x820	1406	1220	100	580	640	4-φ24	538
160L-4/15KW	140	530	3	280	855	480	160	200	1x780	1331	1180	100	515	575	4-φ24	504	
150-125-400	315S-4/110KW	140	530	4	315	915	515	315	200	2x800	1947	1800	100	825	885	6-φ24	1350
	280M-4/90KW	140	530	4	315	915	515	280	200	2x540	1712	1480	100	635	695	6-φ24	1003
	280S-4/75KW	140	530	4	315	915	515	280	200	2x540	1662	1480	100	635	695	6-φ24	913
	250M-4/55KW	140	530	4	315	915	515	250	200	1x980	1587	1380	100	580	640	4-φ24	788
	225M-4/45KW	140	530	4	315	915	515	225	200	1x910	1522	1310	100	580	640	4-φ24	725
	225S-4/37KW	140	530	4	315	915	515	225	200	1x910	1492	1310	100	580	640	4-φ24	690
200-150-400	315M-4/132KW	160	625	4	315	965	515	315	200	2x675	2092	1750	120	825	885	6-φ24	1494
	315S-4/110KW	160	625	4	315	965	515	315	200	2x675	2062	1750	120	825	885	6-φ24	1414
	280M-4/90KW	160	625	4	315	965	515	280	200	2x610	1827	1620	120	635	695	6-φ24	1081
	280S-4/75KW	160	625	4	315	965	515	280	200	2x610	1777	1620	120	635	695	6-φ24	991
	250M-4/55KW	160	625	4	315	965	515	250	200	2x550	1702	1500	120	630	690	6-φ24	855
250-200-400	315L1-4/160KW	180	625	4	355	1055	555	315	200	2x675	2112	1750	120	825	885	6-φ24	1623
	315M-4/132KW	180	625	4	355	1055	555	315	200	2x675	2112	1750	120	825	885	6-φ24	1563
	315S-4/110KW	180	625	4	355	1055	555	315	200	2x675	2082	1750	120	825	885	6-φ24	1483
	280M-4/90KW	180	625	4	355	1055	555	280	200	2x610	1847	1620	120	635	695	6-φ24	1149
	280S-4/75KW	180	625	4	355	1055	555	280	200	2x610	1797	1620	120	635	695	6-φ24	1059
	250M-4/55KW	180	625	4	355	1055	555	250	200	2x550	1722	1500	120	630	690	6-φ24	917
300-250-400	315L1-4/160KW	200	710	4	375	1125	575	315	200	2x720	2207	1840	140	835	895	6-φ24	1733
	315M-4/132KW	200	710	4	375	1125	575	315	200	2x720	2207	1840	140	835	895	6-φ24	1673
	315S-4/110KW	200	710	4	375	1125	575	315	200	2x720	2177	1840	140	835	895	6-φ24	1593
	280M-4/90KW	200	710	4	375	1125	575	280	200	2x650	1942	1700	140	825	885	6-φ24	1256
	280S-4/75KW	200	710	4	375	1125	575	280	200	2x650	1892	1700	140	825	885	6-φ24	1166



PUMP SIZE	MOTOR SIZE	A	F	X	H1	H2	H	He	L1	NxL2	L3	L	C	B1	B	n-φd	Wt. (kg)
350-300-400	355M-4/250KW	240	710	4	450	1300	650	355	200	2x800	2437	2000	170	975	1035	6-Φ24	1342
	315L2-4/200KW	240	710	4	450	1300	650	315	200	2x720	2247	1840	170	835	895	6-Φ24	1892
	315L1-4/160KW	240	710	4	450	1300	650	315	200	2x720	2247	1840	170	835	895	6-Φ24	1792
	315M-4/132KW	240	710	4	450	1300	650	315	200	2x720	2247	1840	170	835	895	6-Φ24	1732
	315S-4/110KW	240	710	4	450	1300	650	315	200	2x700	2217	1840	170	835	895	6-Φ24	1652
	280M-4/90KW	240	710	4	450	1300	650	280	200	2x650	1982	1700	170	825	885	6-Φ24	1316
200-150-500	315L2-4/200KW	180	625	4	375	1075	575	315	200	2x675	2112	1750	120	825	885	6-Φ24	1736
	315L1-4/160KW	180	625	4	375	1075	575	315	200	2x675	2112	1750	120	825	885	6-Φ24	1636
	315M-4/132KW	180	625	4	375	1075	575	315	200	2x675	2112	1750	120	825	885	6-Φ24	1576
	315S-4/110KW	180	625	4	375	1075	575	315	200	2x675	2082	1750	120	825	885	6-Φ24	1496
	280M-4/90KW	180	625	4	375	1075	575	280	200	2x610	1847	1620	120	635	695	6-Φ24	1162
	280S-4/75KW	180	625	4	375	1075	575	280	200	2x610	1797	1620	120	635	695	6-Φ24	1072
250M-4/55KW	180	625	4	375	1075	575	250	200	2x550	1722	1500	120	630	690	6-Φ24	930	
250-200-500	355M-4/250KW	200	710	4	400	1150	600	355	200	2x755	2437	1910	120	830	890	6-Φ24	2384
	315L2-4/200KW	200	710	4	400	1150	600	315	200	2x720	2207	1840	120	835	895	6-Φ24	1827
	315L1-4/160KW	200	710	4	400	1150	600	315	200	2x720	2207	1840	120	835	895	6-Φ24	1727
	315M-4/132KW	200	710	4	400	1150	600	315	200	2x720	2207	1840	120	835	895	6-Φ24	1663
	315S-4/110KW	200	710	4	400	1150	600	315	200	2x720	2177	1840	120	835	895	6-Φ24	1583
	280M-4/90KW	200	710	4	400	1150	600	280	200	2x645	1942	1690	120	825	885	6-Φ24	1253
280S-4/75KW	200	710	4	400	1150	600	280	200	2x645	1892	1690	120	825	885	6-Φ24	1153	
300-250-500	355L-4/315KW	200	710	4	425	1245	625	355	200	2x800	2437	2000	170	975	1035	6-Φ24	2664
	355M-4/250KW	200	710	4	425	1245	625	355	200	2x800	2437	2000	170	975	1035	6-Φ24	2514
	315L2-4/200KW	200	710	4	425	1245	625	315	200	2x720	2207	1840	140	835	895	6-Φ24	1956
	315L1-4/160KW	200	710	4	425	1245	625	315	200	2x720	2207	1840	140	835	895	6-Φ24	1856
	315M-4/132KW	200	710	4	425	1245	625	315	200	2x720	2207	1840	140	835	895	6-Φ24	1796
	315S-4/110KW	200	710	4	425	1245	625	315	200	2x720	2177	1840	140	835	895	6-Φ24	1716
280M-4/90KW	200	710	4	425	1245	625	280	200	2x650	1942	1700	140	825	885	6-Φ24	1379	
350-300-500	355L-4/315KW	250	710	4	450	1350	650	355	200	2x800	2487	2000	170	975	1035	6-Φ24	2737
	355M-4/250KW	250	710	4	450	1350	650	355	200	2x800	2487	2000	170	975	1035	6-Φ24	2587
	315L2-4/200KW	250	710	4	450	1350	650	315	200	2x735	2257	1870	170	875	1035	6-Φ24	2029
	315L1-4/160KW	250	710	4	450	1350	650	315	200	2x735	2257	1870	170	875	1035	6-Φ24	1929
	315M-4/132KW	250	710	4	450	1350	650	315	200	2x735	2257	1870	170	875	1035	6-Φ24	1869
	315S-4/110KW	250	710	4	450	1350	650	315	200	2x735	2227	1870	170	875	1035	6-Φ24	1789

THIS PAGE LEFT BLANK INTENTIONALLY