



Construction

Single-stage end-suction centrifugal pumps, with close coupled motor.

Nominal duty points and main dimensions in accordance with EN 733.

Back Pull-Out construction, for simple and quick dismantling and reassembly.

Rated speed of rotation (50 Hz) : **N-M** = 2900 1/min.
N4-M = 1450 1/min.

Connections: PN 16 flanges EN 1092-2.

Max.working pressure 10 (16) bar

Shaft sealing

- Standardized mechanical seal in accordance with ISO 3069.
- Stuffing box seal or different mechanical seals (on request).

Applications

- For clean liquids, without abrasives, which are non-aggressive for the pump materials (contents of solids up to 0.2%).
- For water supply.
- For heating, air conditioning, cooling and circulation plants.
- For civil and industrial applications and for agriculture.
- For fire fighting applications.
- For irrigation.

Operating conditions

Liquid temperature from -10°C to +120°C. (standard mechanical seal)

Ambient temperature up to 40°C.

Total suction lift up to 7 m.

Maximum permissible working pressure up to 10/16 bar.

Pump-Motor unit

N-M, N4-M pump closely coupled to a standard electric motor, IP 54 protection, three-phase 400 V, 50 Hz by means of a baseplate, with coupling protection.

Special features on request

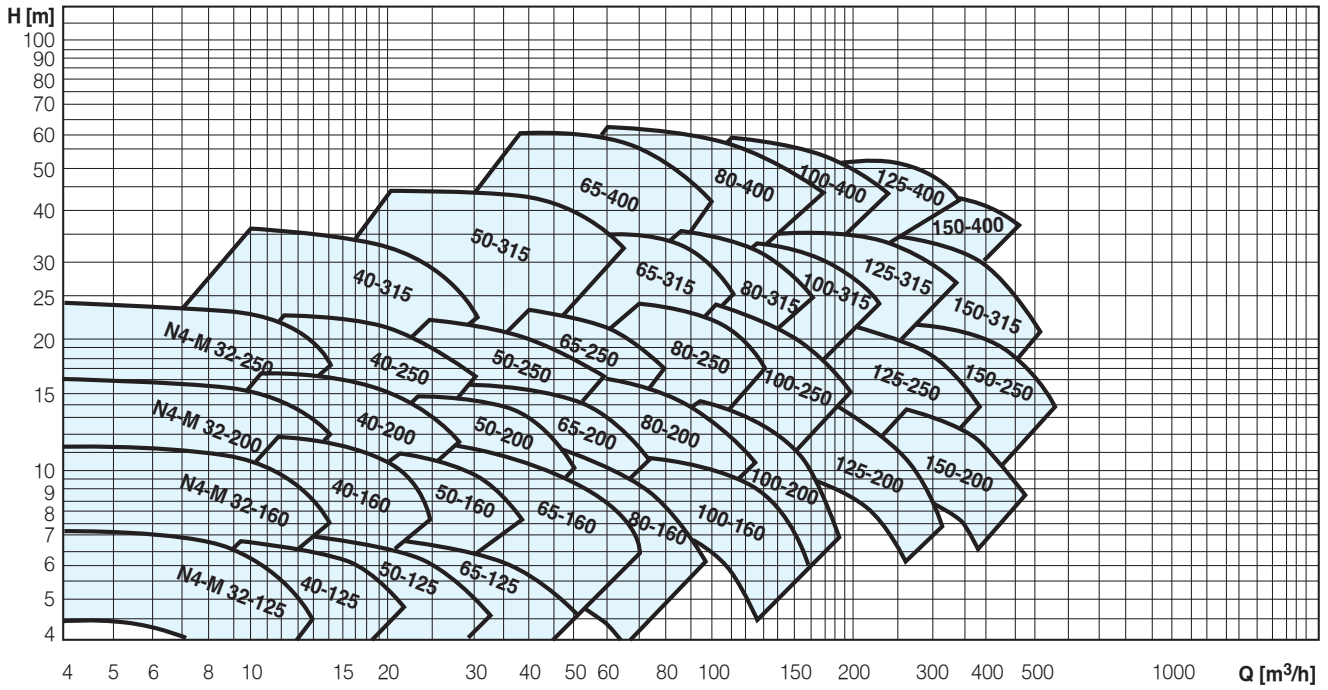
- Special mechanical seal.
- Different construction materials for specific applications.
- Higher or lower liquid or ambient temperatures.
- Other motor protection.
- Explosion proof motor.
- Motor for other voltage.
- Frequency 60 Hz (as per 60 Hz data sheet).

Materials

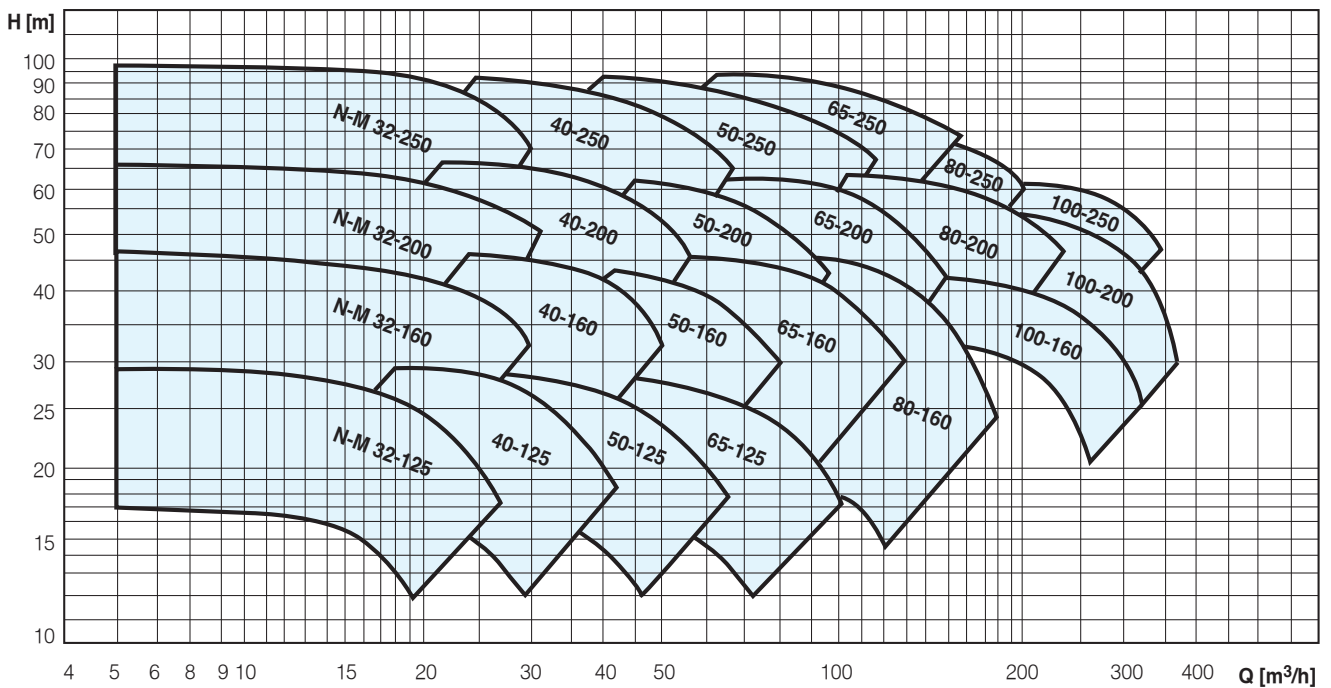
Pump casing	GG 25
Lantern bracket	(Optional GGG 40 / AISI 304 / AISI 316 / Bronze)
Impeller	AISI 316 / Bronze
Pump shaft	AISI 420 (Optional AISI 304 / AISI 316)
Mechanical seal	Silicon Carbide / Carbon Graphite*
Baseplate	DIN 17100 - St 37, epoxy coated
Coupling guard	EN 294 / DIN 31001, epoxy coated

* Different mechanical seals are available upon request.

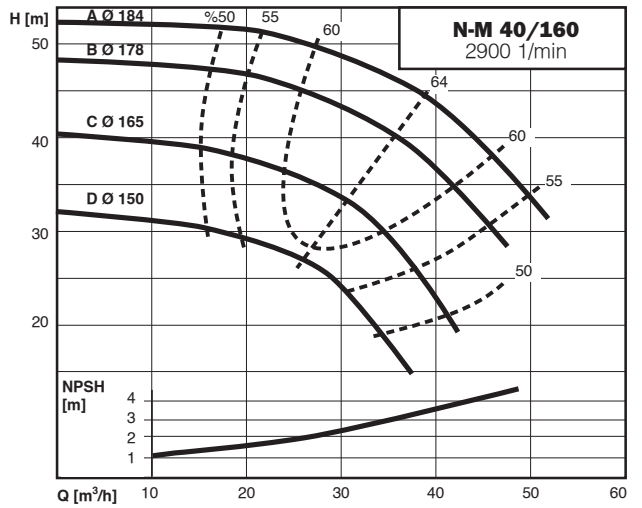
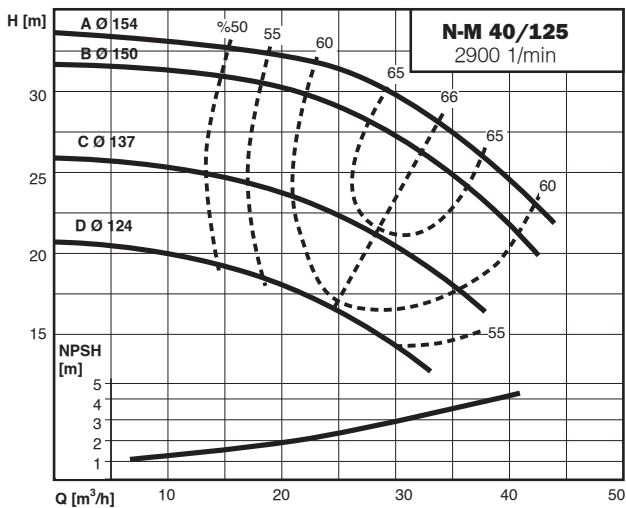
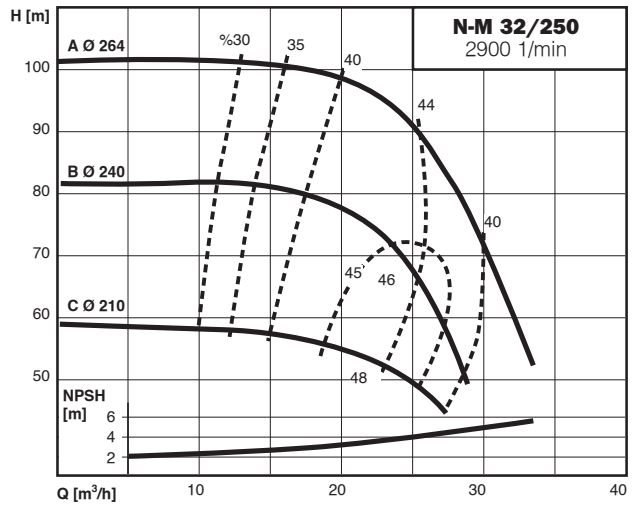
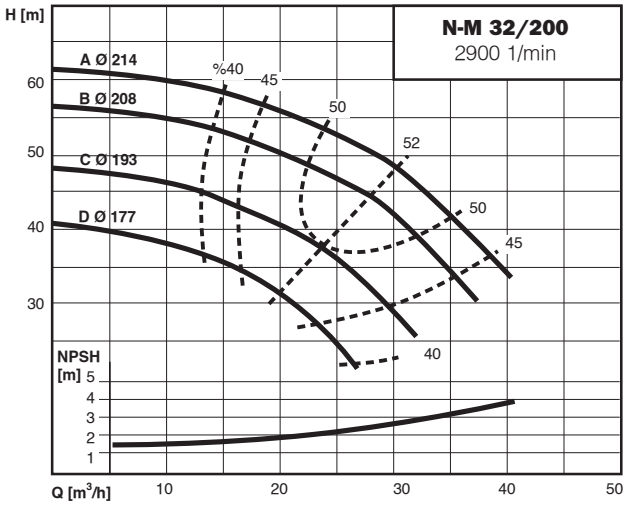
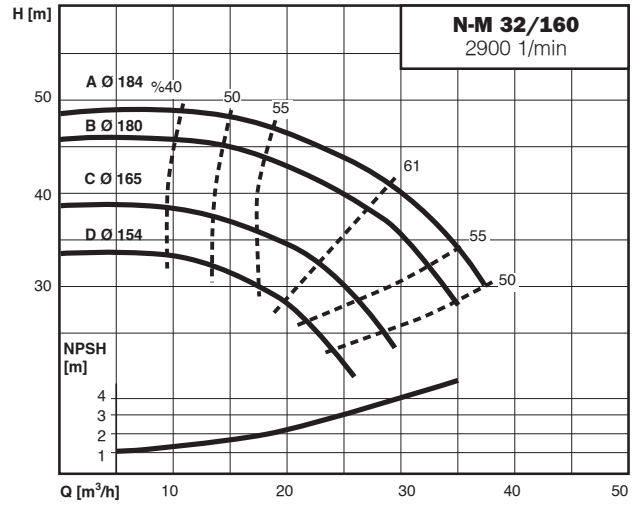
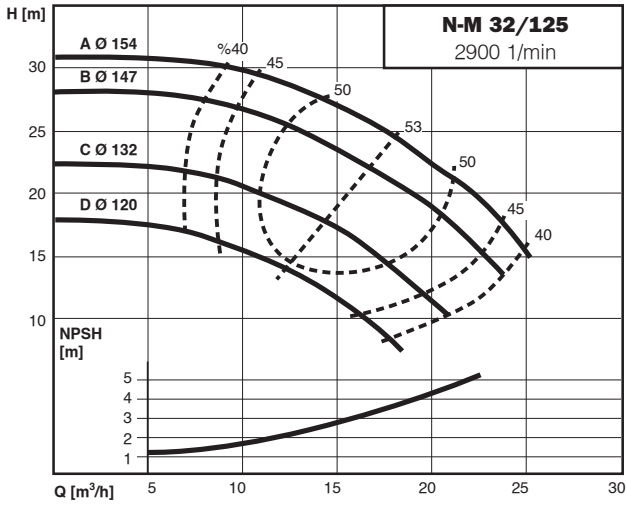
Coverage chart for N4-M series, $n \approx 1450$ rpm



Coverage chart for N-M series, $n \approx 2900$ rpm



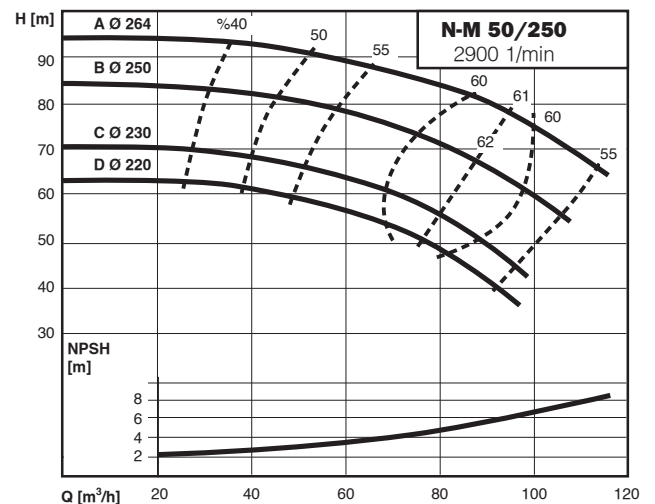
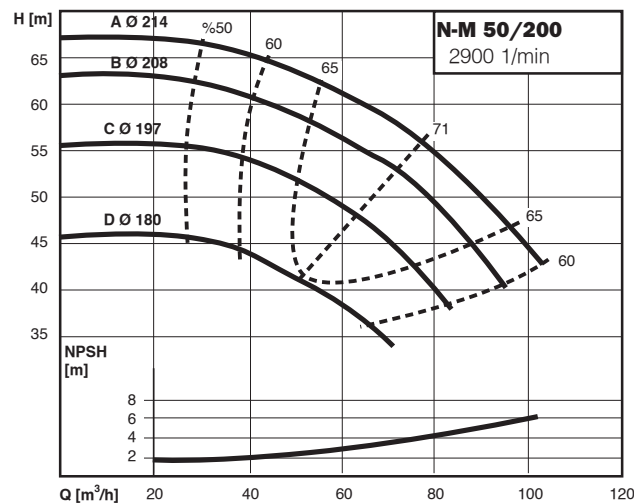
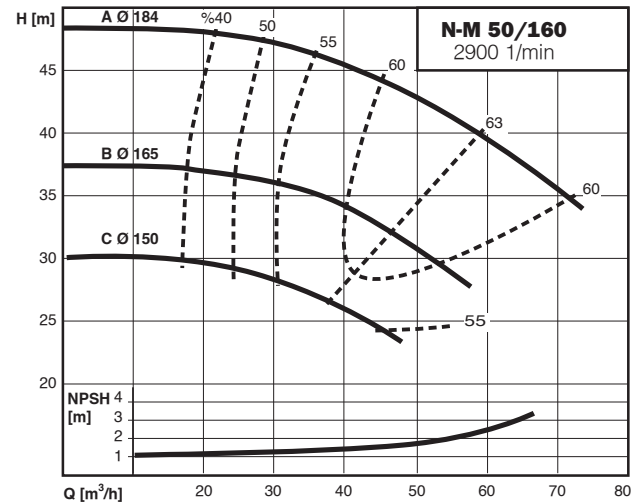
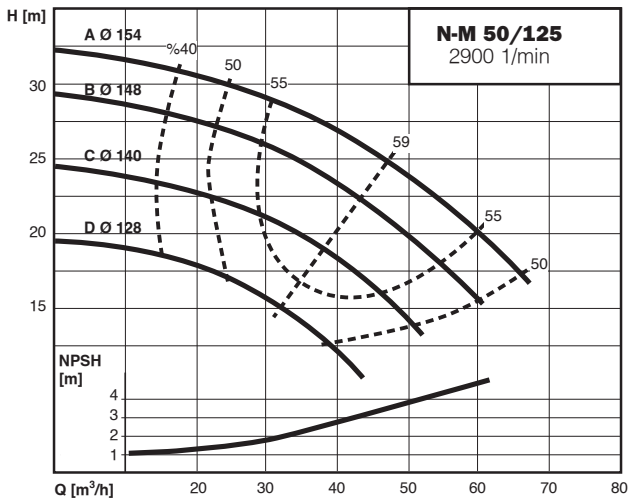
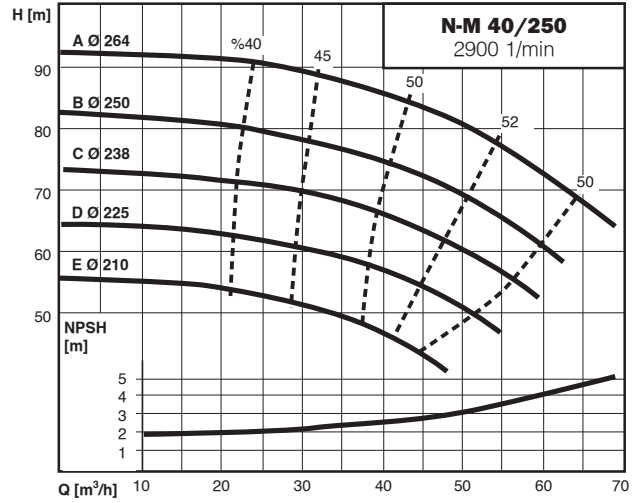
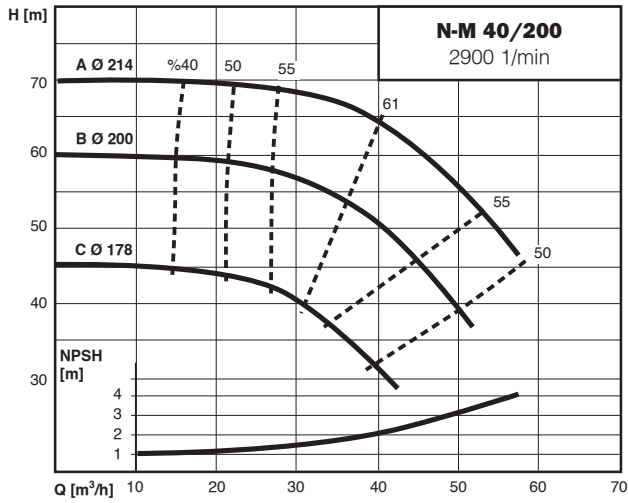
Characteristic curves n = 2900 1/min



Required drive motor power may be calculated by using the formula:

$$P \text{ (kW)} = \frac{Q \text{ (m}^3\text{/h)} \times H \text{ (m)} \times \rho \text{ (kg/dm}^3\text{)}}{367 \times \eta} \times \text{safety factor}$$

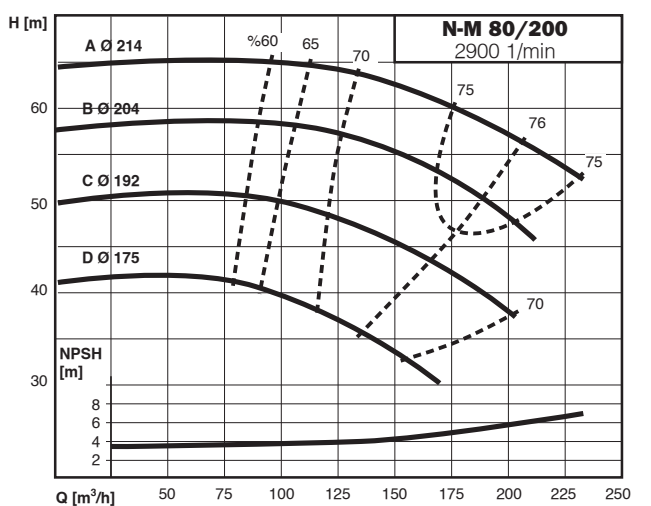
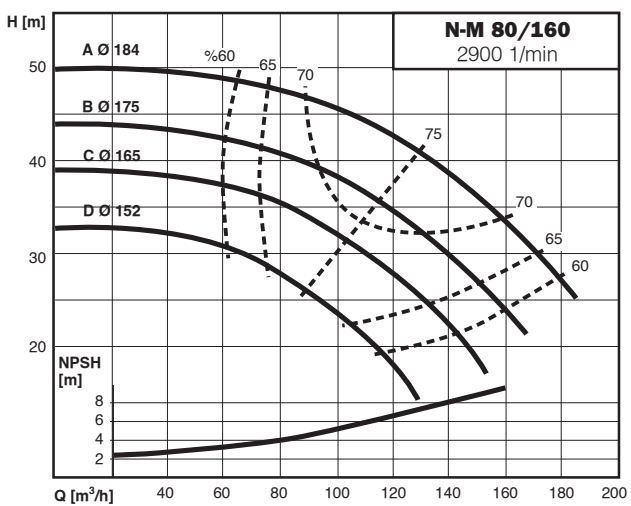
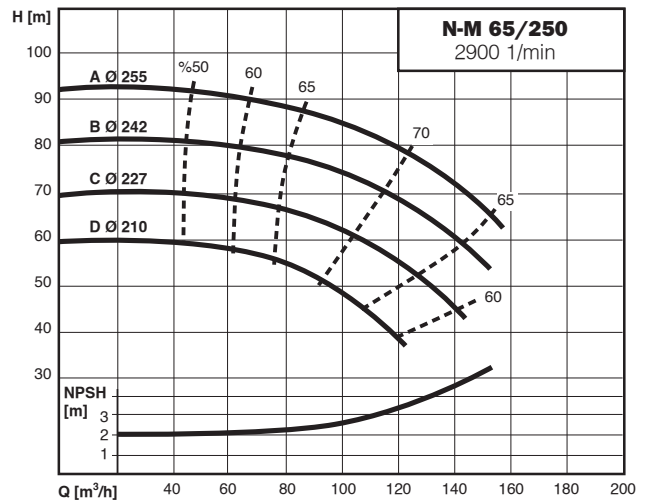
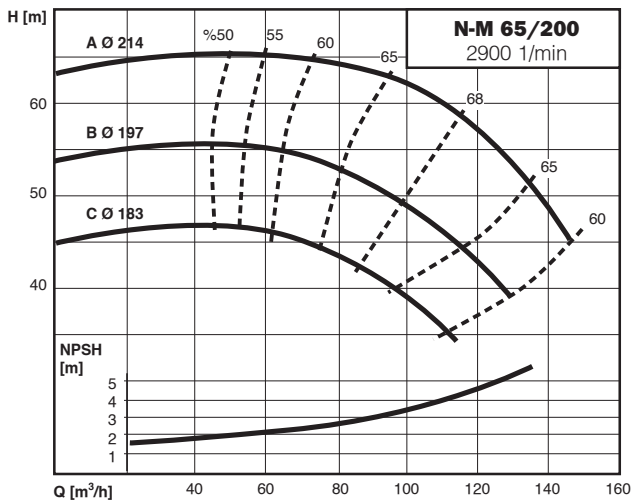
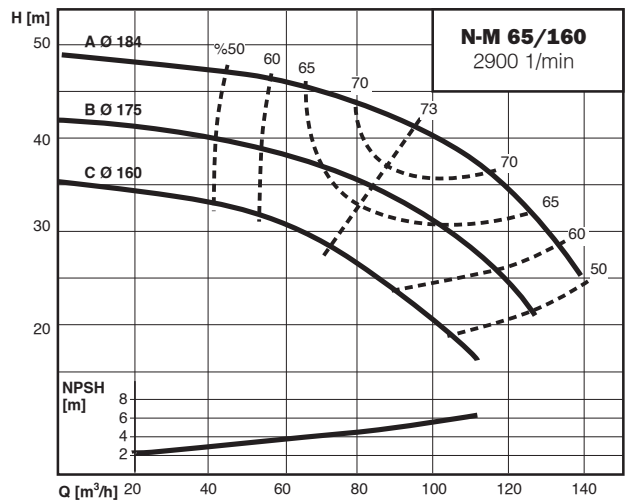
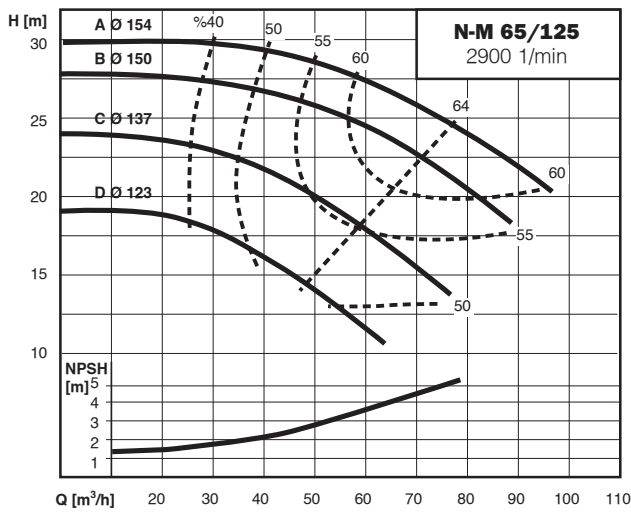
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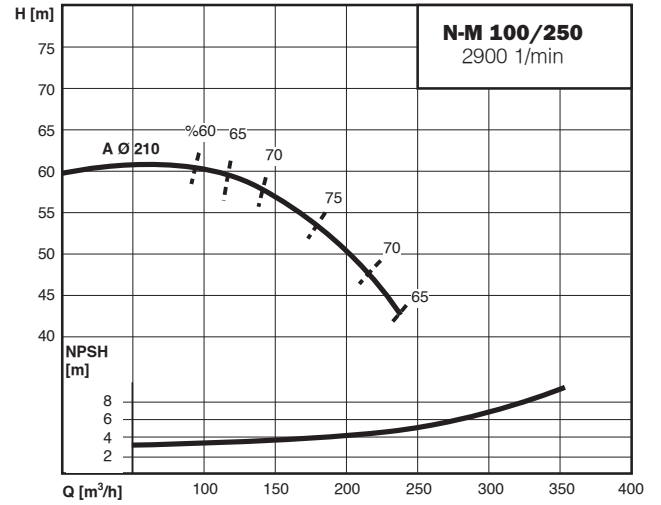
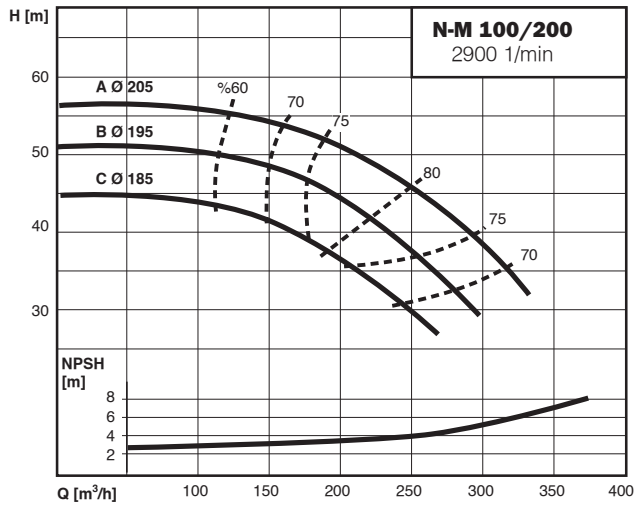
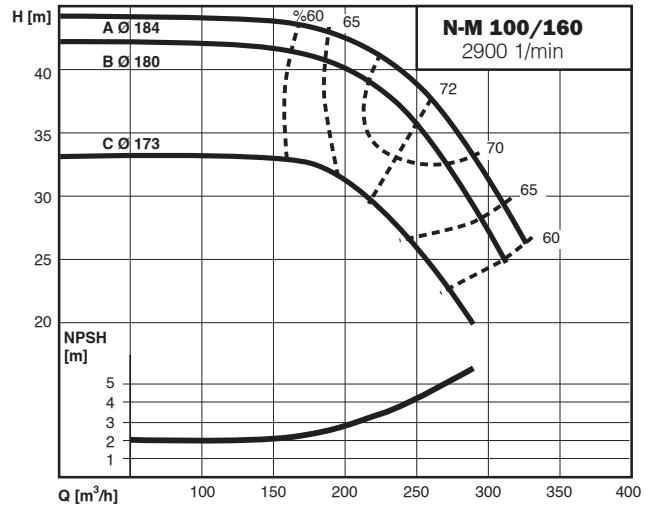
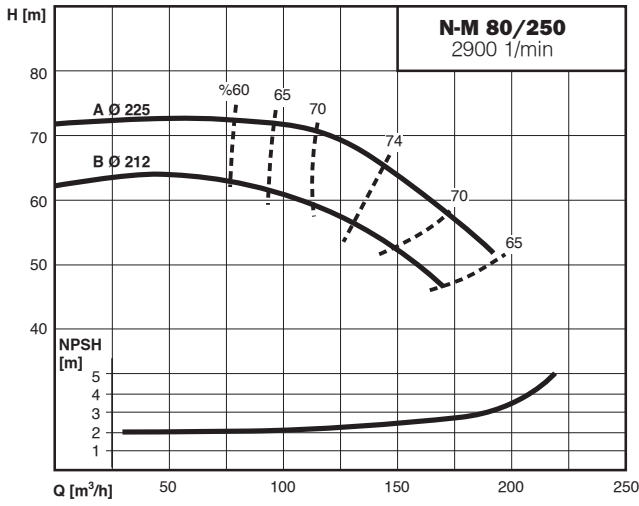
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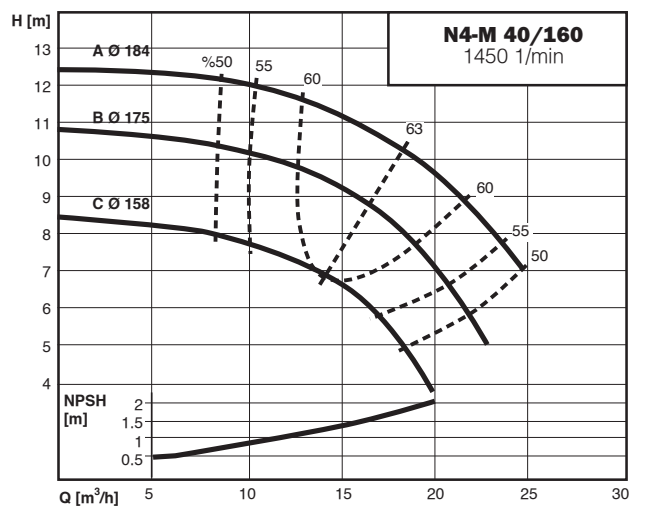
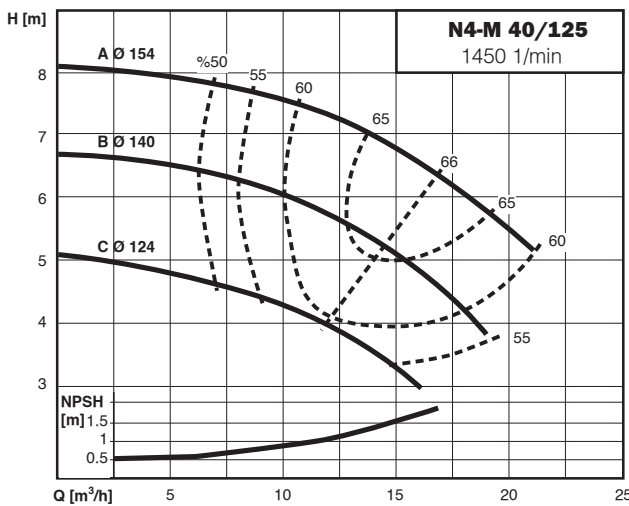
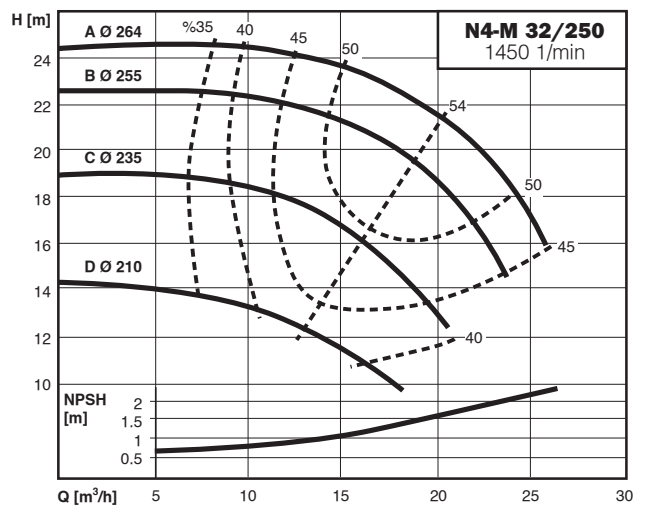
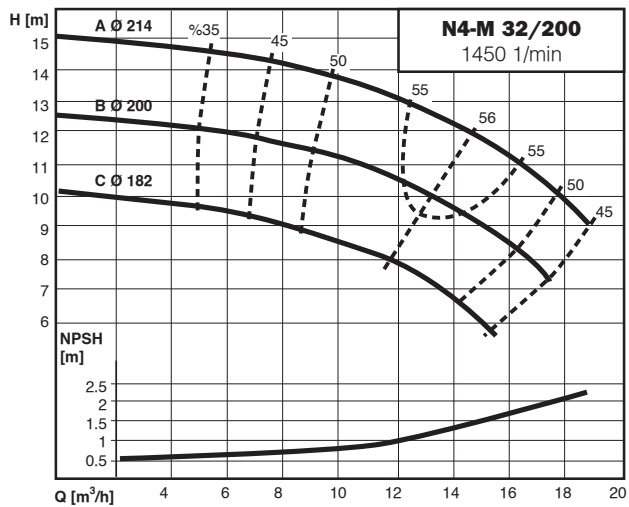
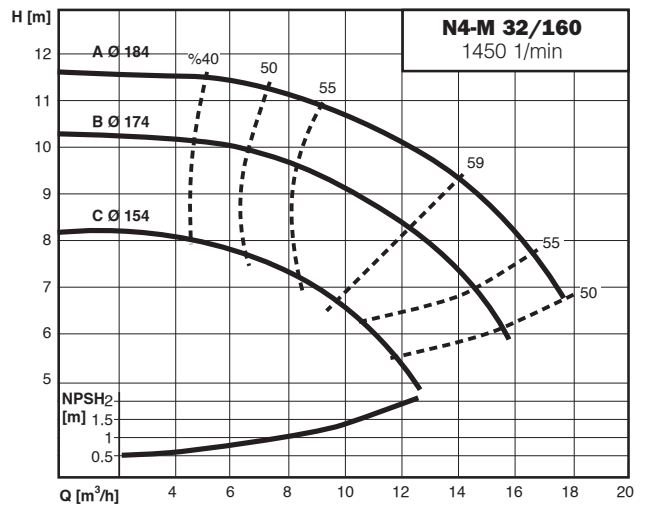
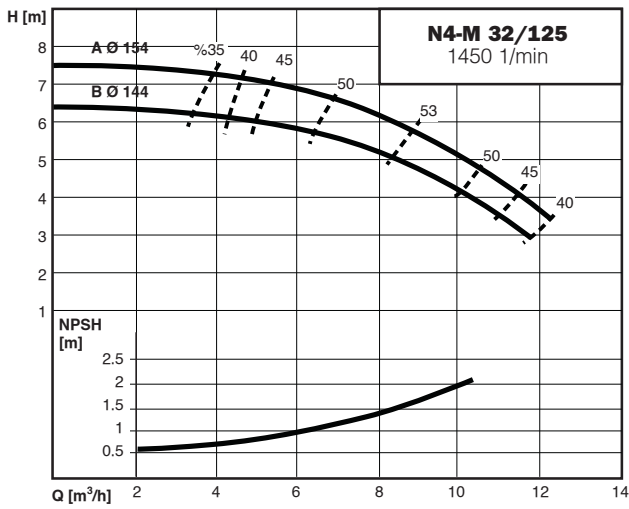
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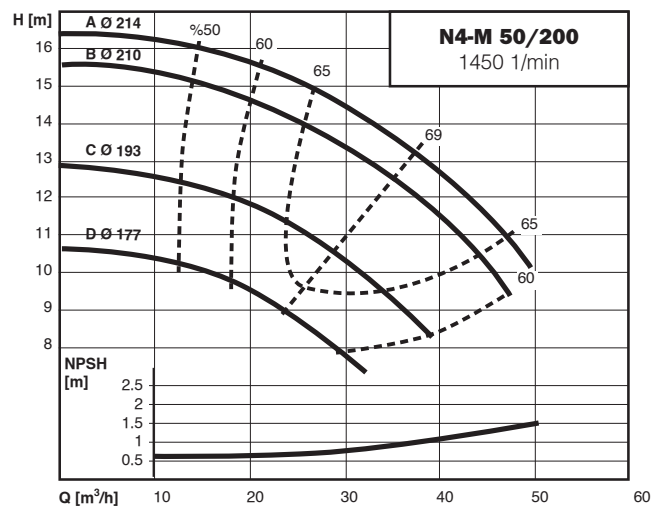
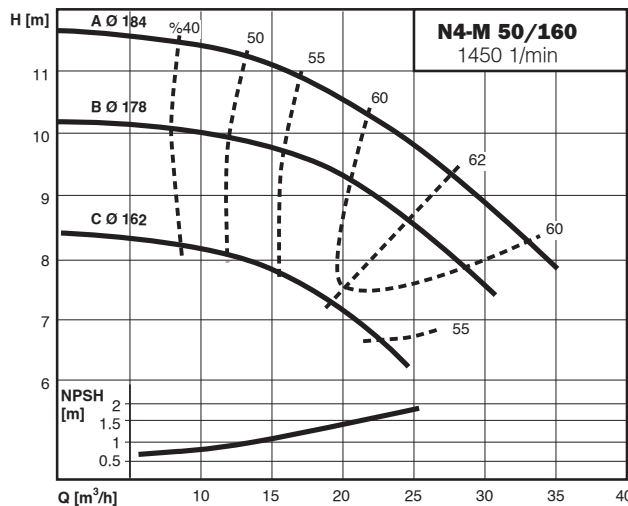
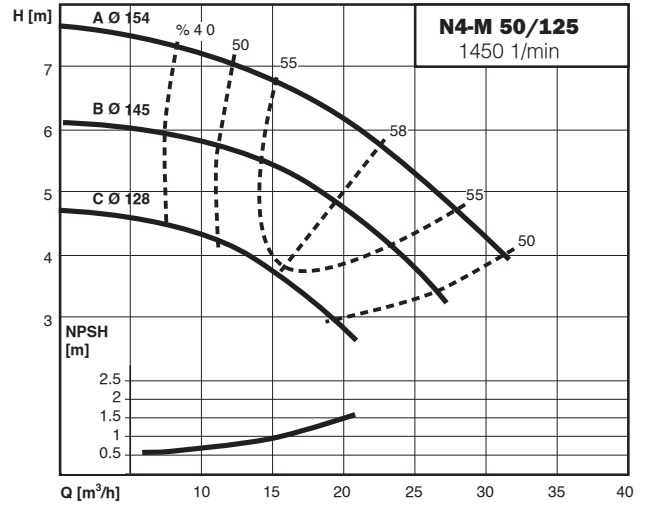
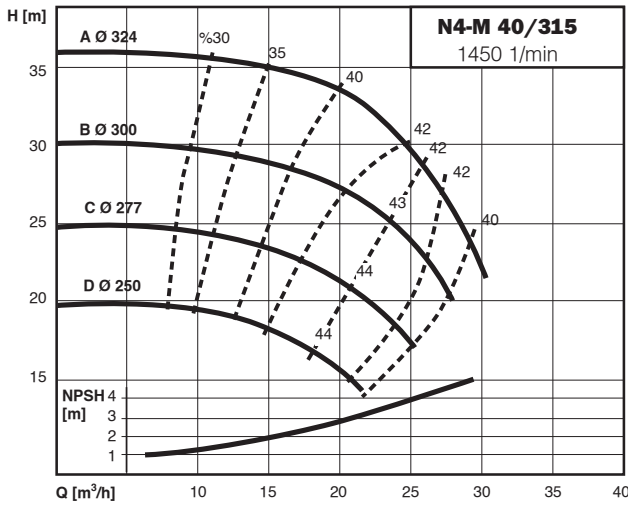
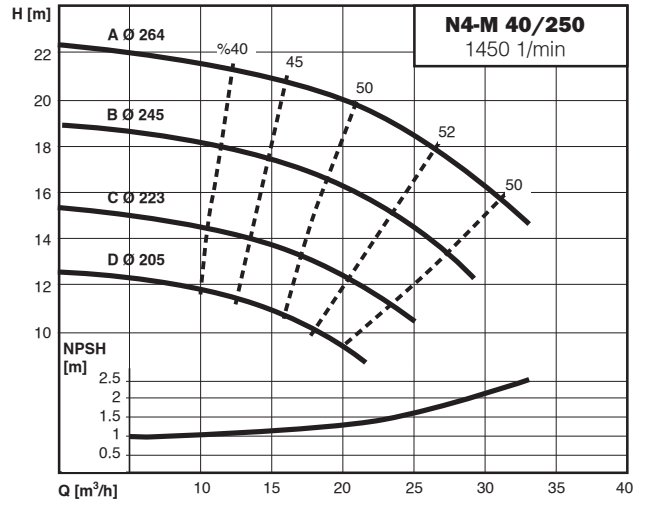
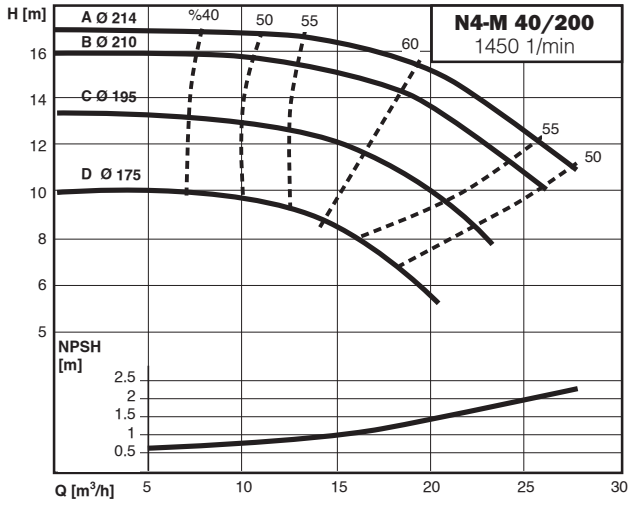
Characteristic curves n = 1450 1/min



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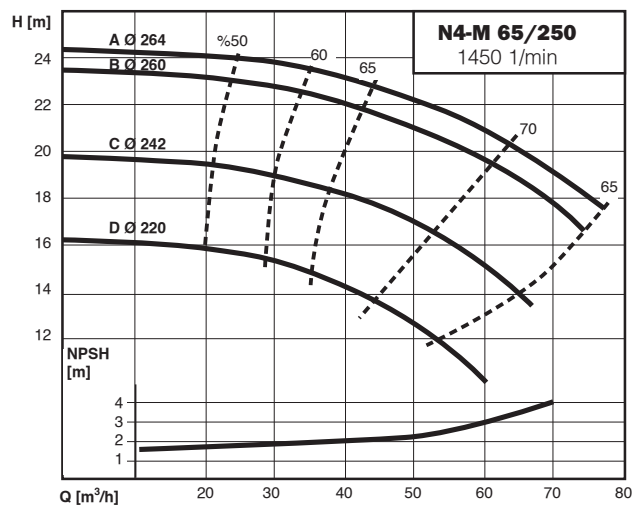
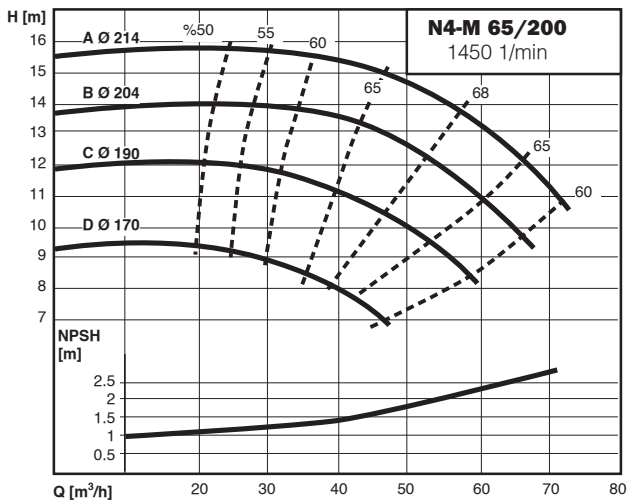
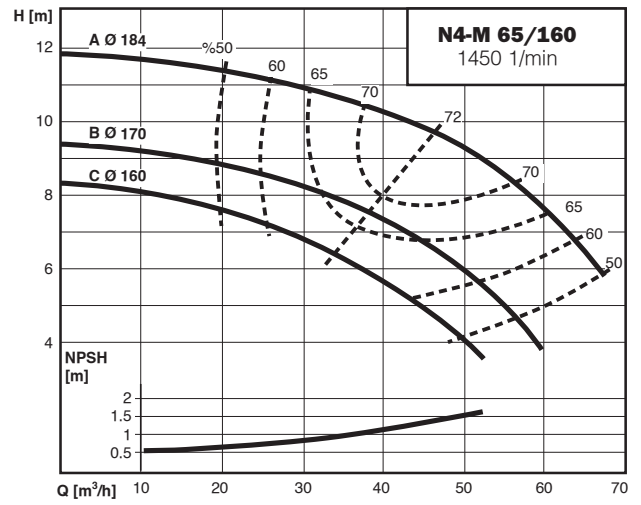
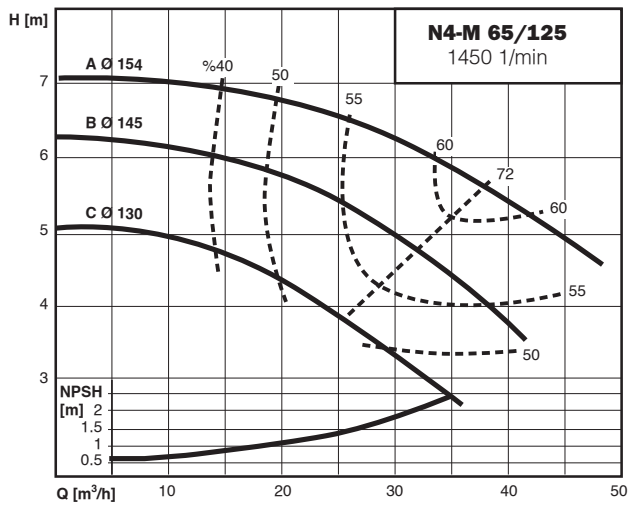
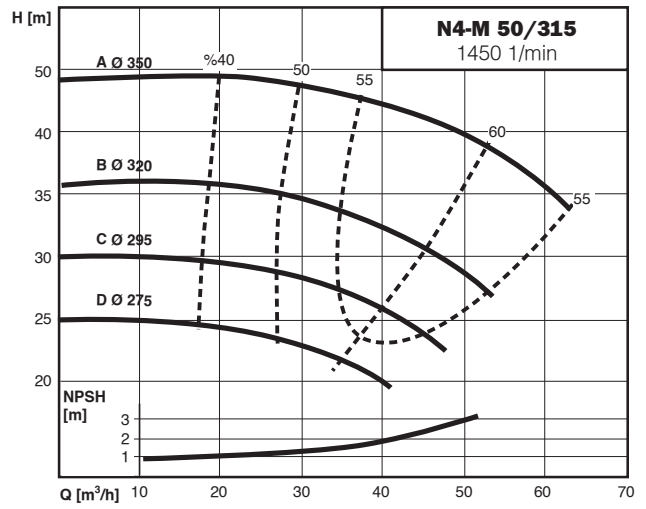
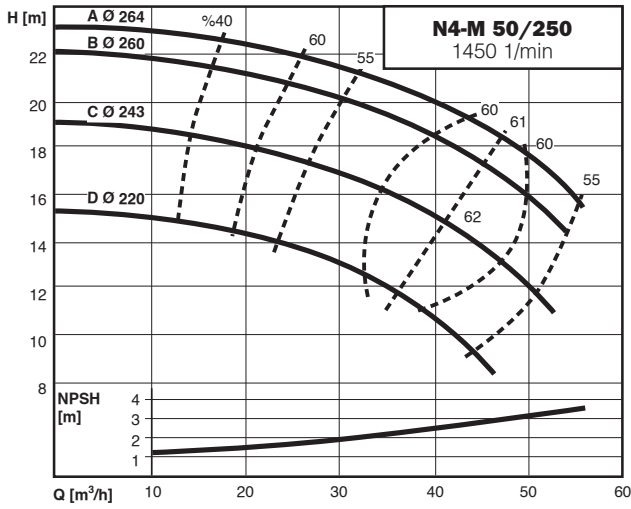
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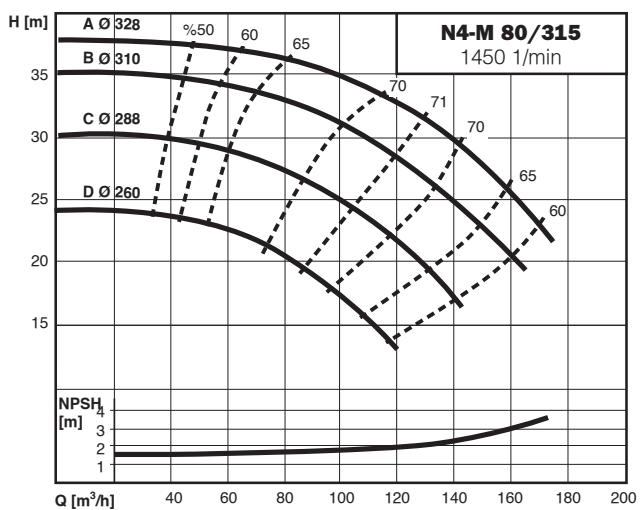
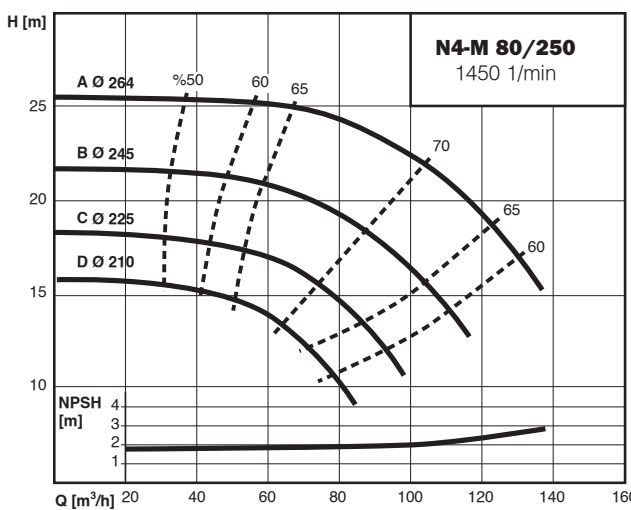
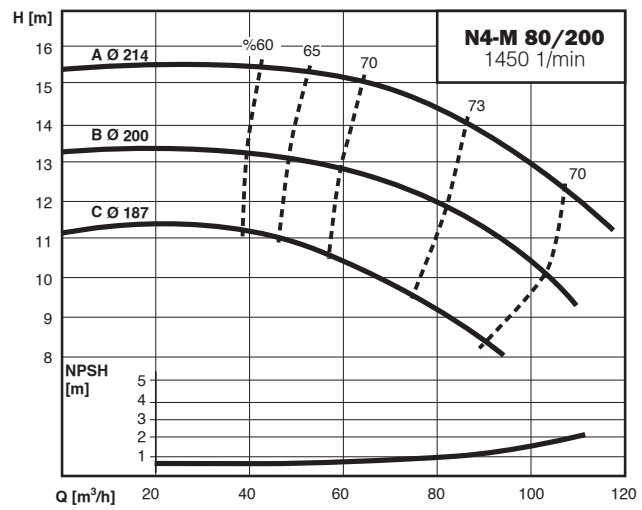
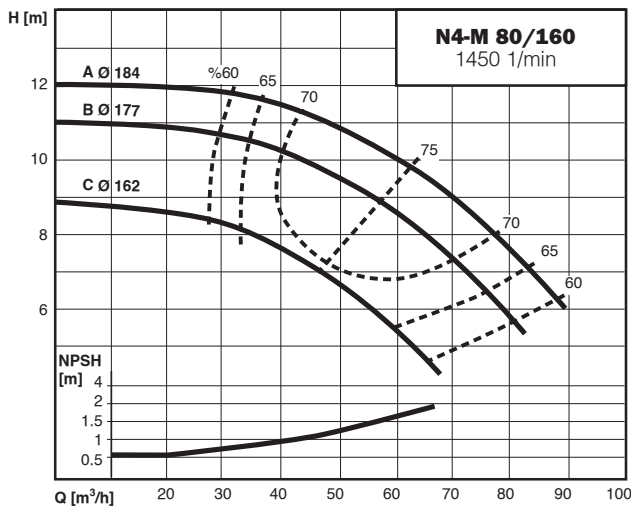
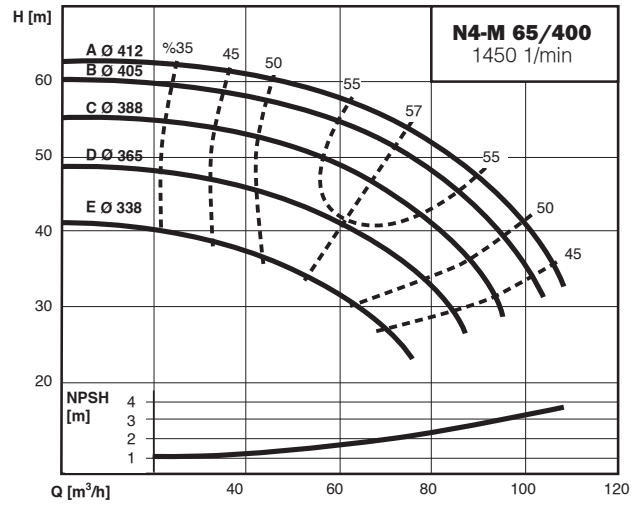
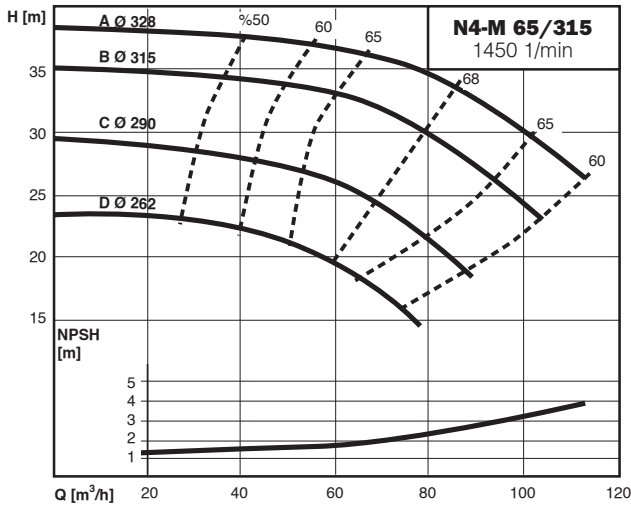
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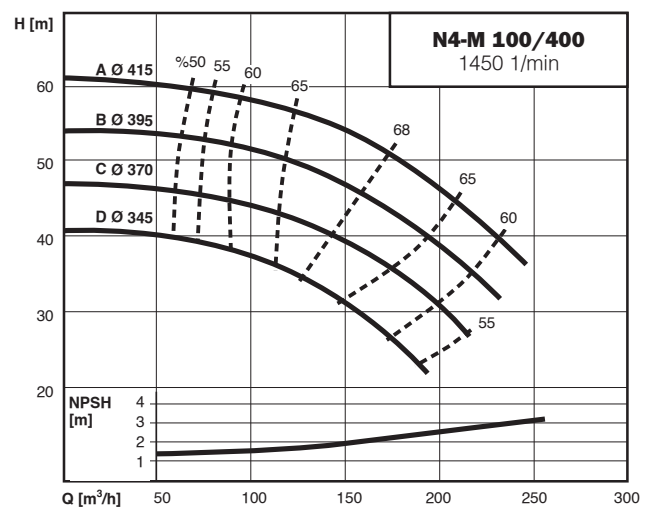
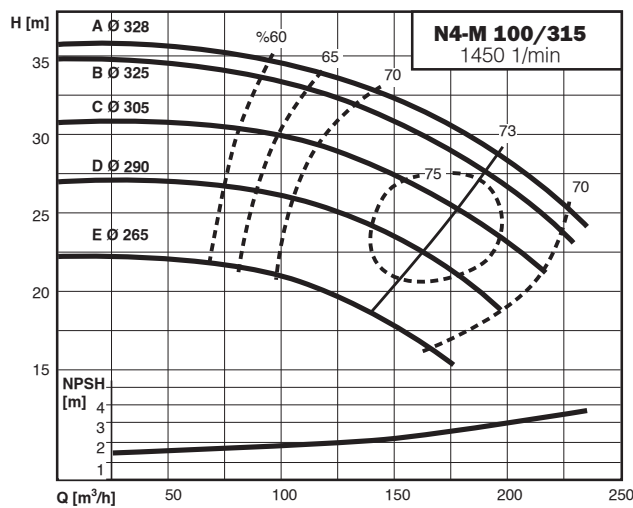
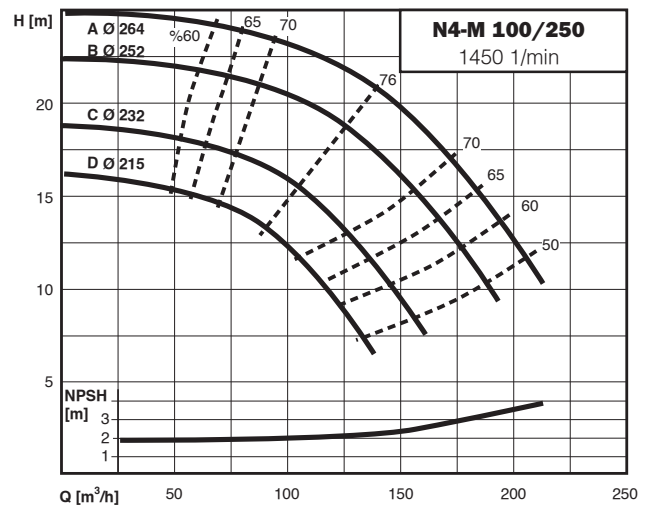
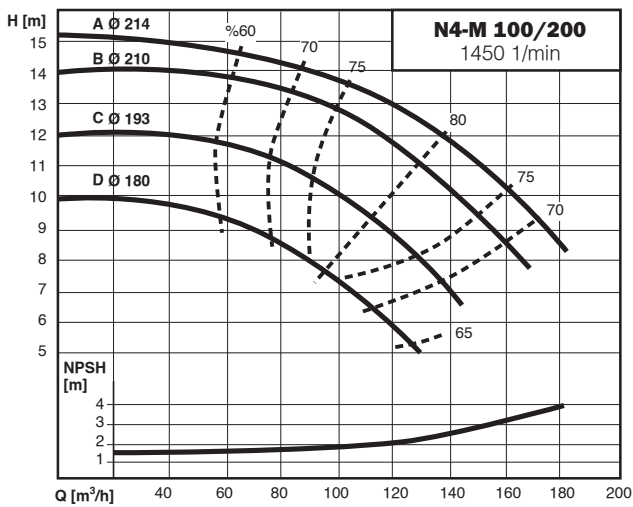
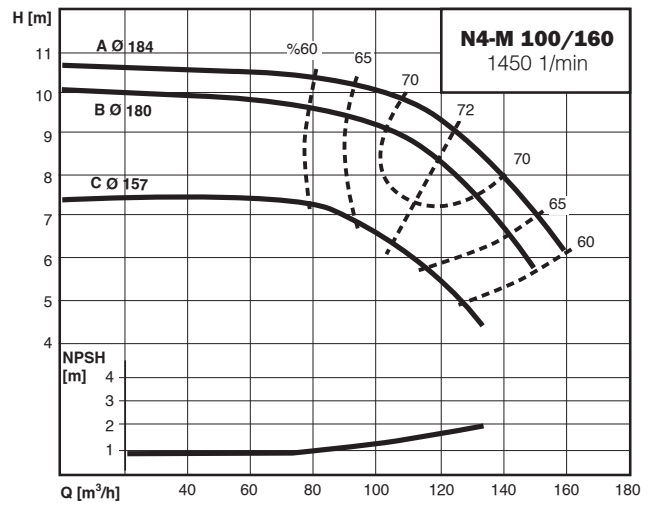
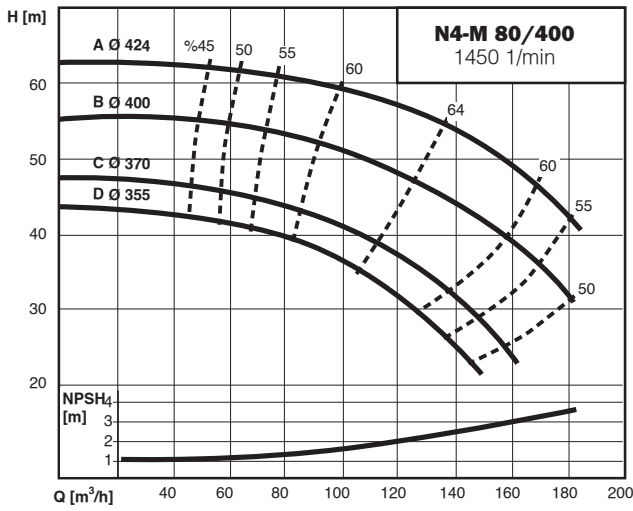
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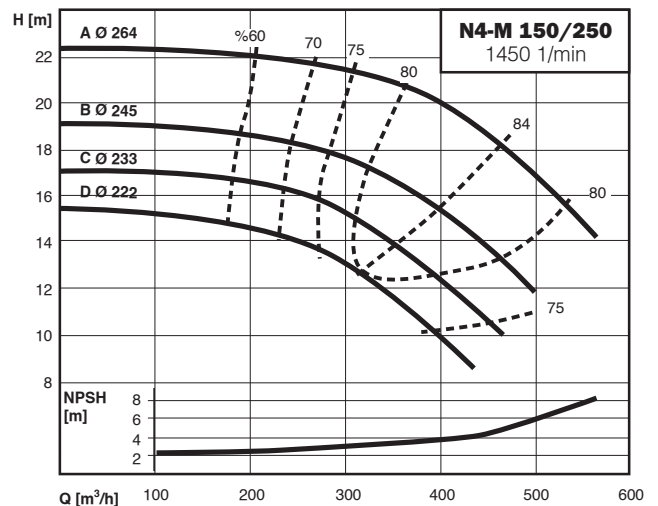
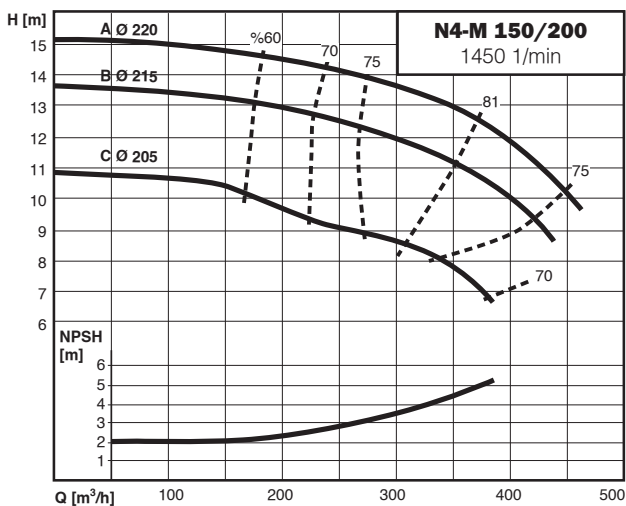
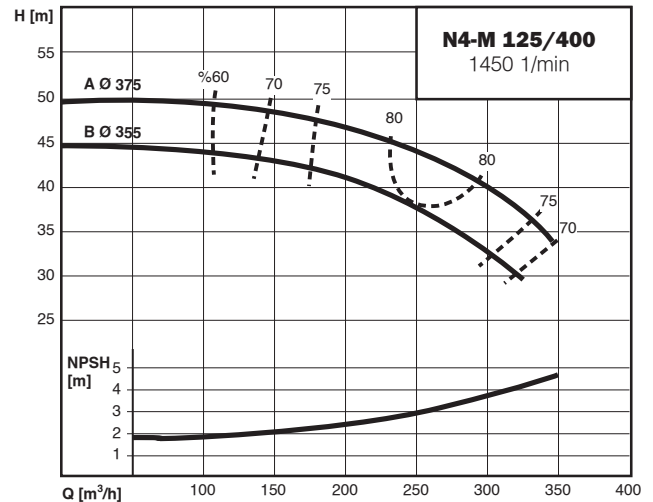
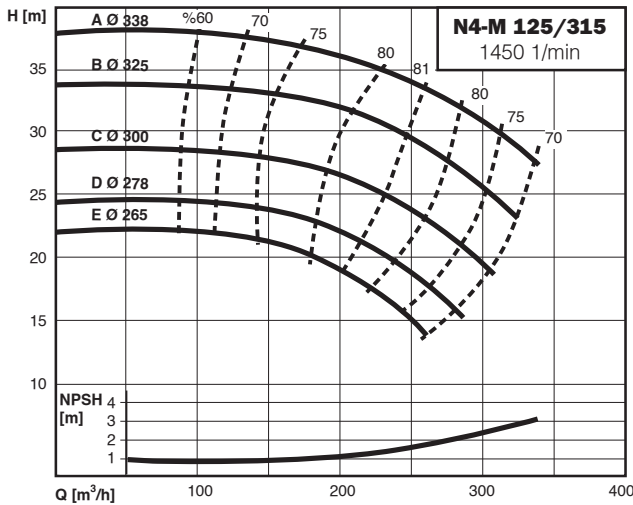
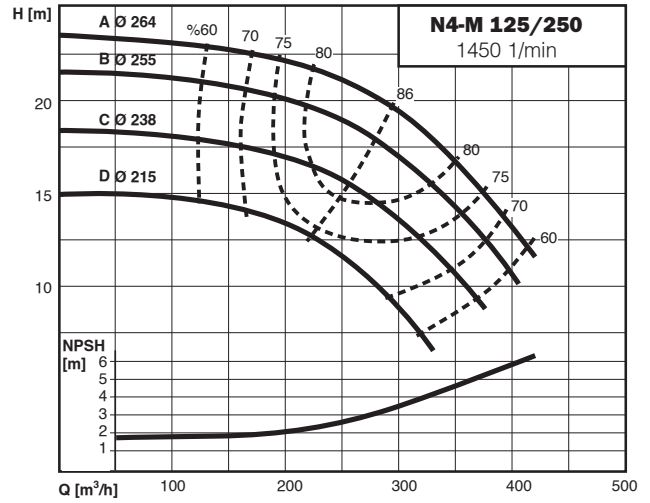
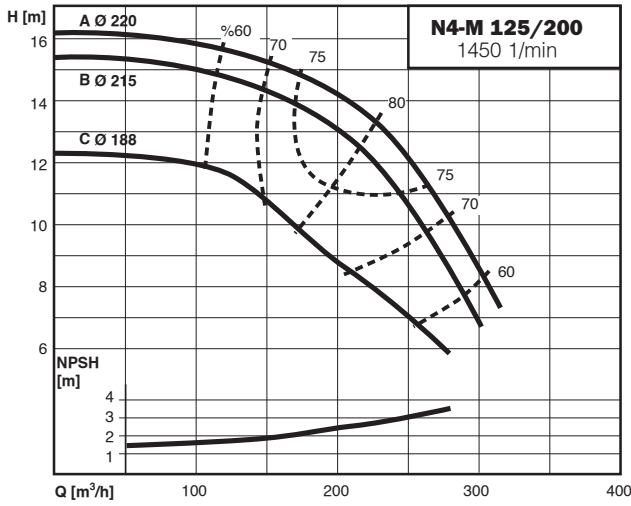
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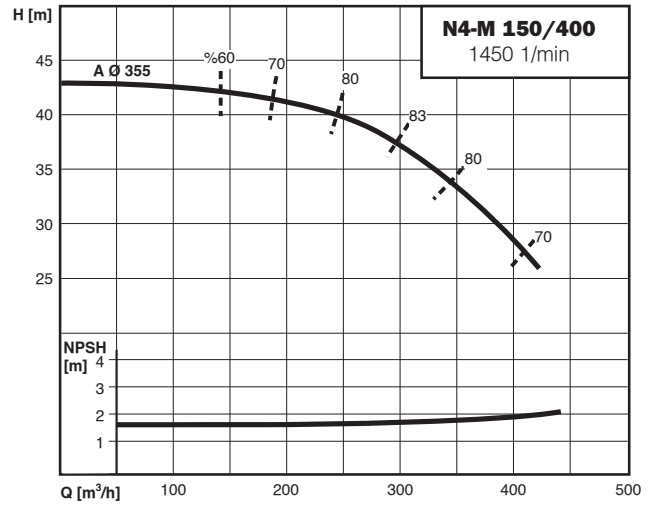
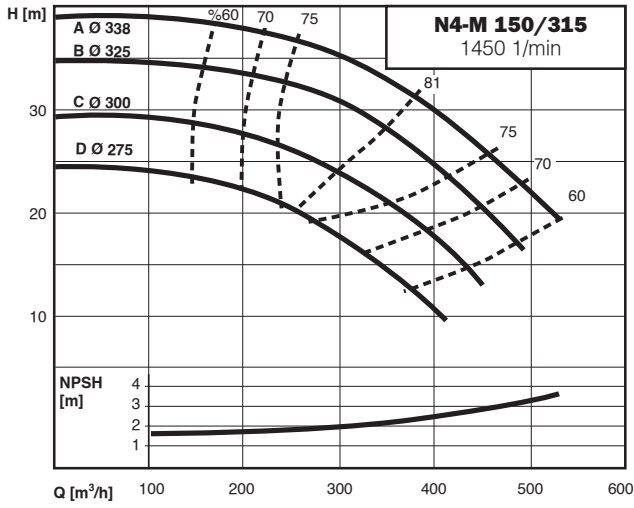
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Preassembled Mechanical Pumping Systems

Calpeda has created fully assembled, complete pumping systems to provide high quality pressure boosting at less cost and in less space for residential and commercial buildings and for industrial applications.

1 to 3 pieces of centrifugal pumps are supplied on a common base frame as complete, preassembled and tested systems, including suction and discharge manifolds, isolating valves, non-return valves and other parts.

According to user demands, pumping systems can be operated automatically by means of; i.e. pressure, flow, level, temperature or time switches/sensors.

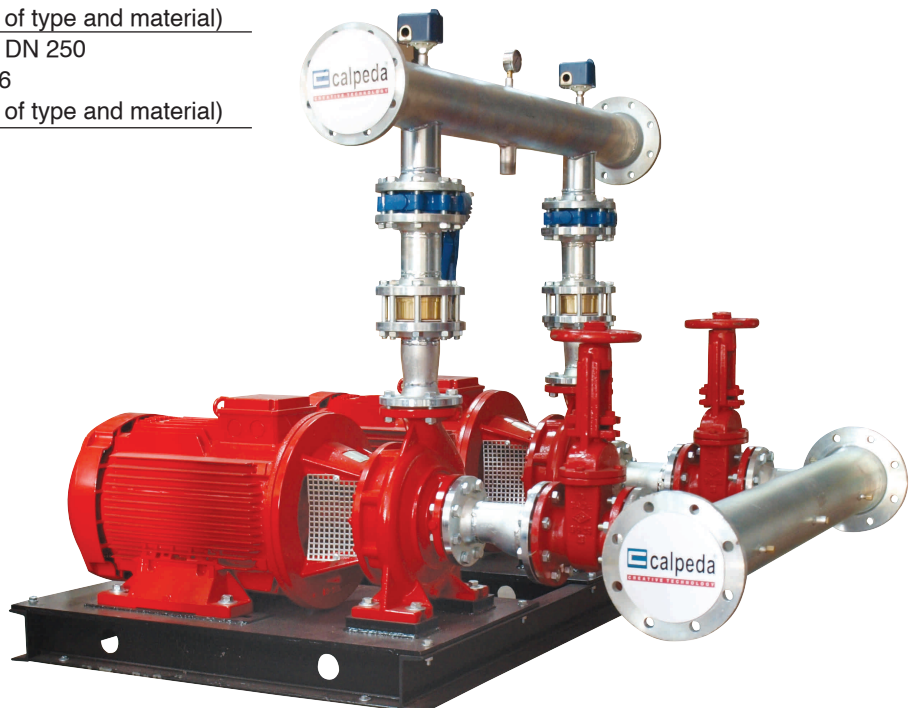
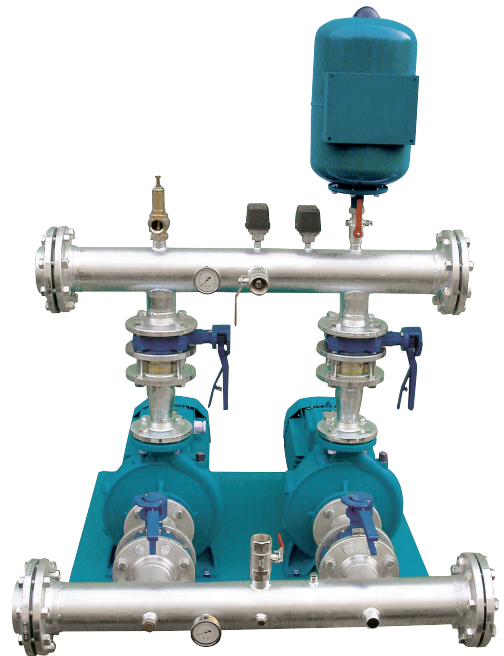
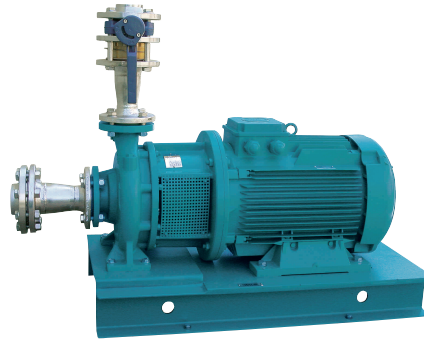
Switches, sensors, gauges, relief valves, safety valves, bypass valves, air venting valves, drain cocks and diaphragm pressure vessel can be mounted on supplied manifolds easily according to demanded functions.

Scope of supply

- Common base frame
- Suction and discharge manifolds, including vacuum and pressure gauges
- Flanged type increasers on the suction and discharge sides of the pumps
- Non-return valves (one per pump)
- Isolating valves (two per pump)

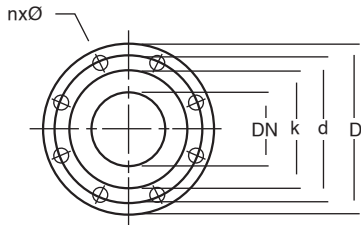
Construction Materials

Base frame	Epoxy coated steel (optional AISI 304 or AISI 316)
Manifolds	Electro-galvanised steel (optional AISI 304 or AISI 316)
Increasers	Electro-galvanised steel (optional AISI 304 or AISI 316)
Isolating valves	Butterfly GG 25 / polyamid coated / EPDM (optional any kind of type and material)
Non-return valves	Disc type DN 32 - DN 250 GGG 40 / AISI 316 (optional any kind of type and material)



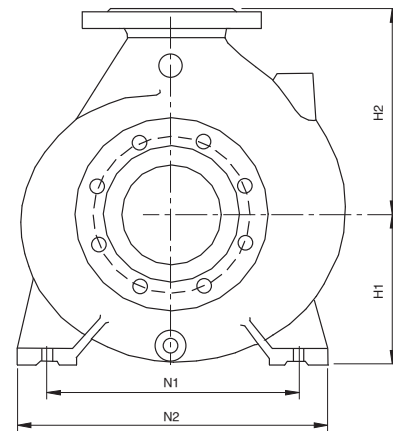
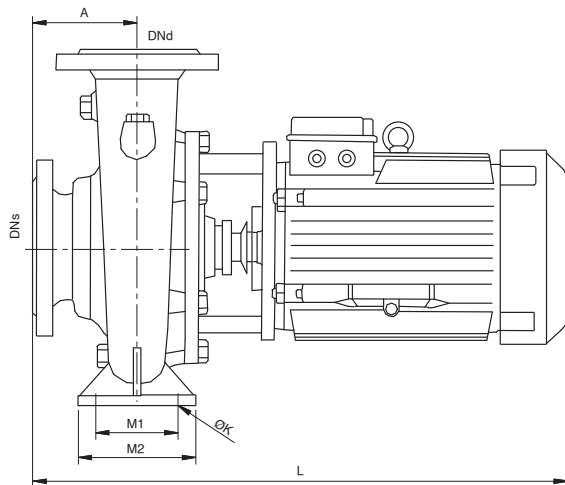
Measurements Of Suction And Discharge Flanges (mm)

The suction and discharge connection flanges of N-M series pumps conforms to DIN 2533 / PN 16.



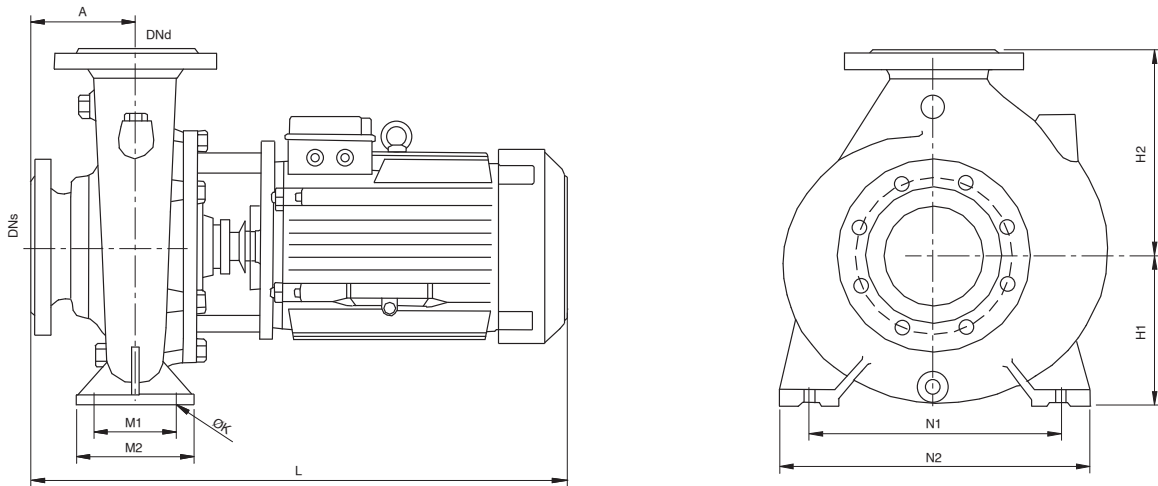
DN	D	d	k	nxØ
PN 16 - DIN 2533				
32	140	100	76	4x19
40	150	110	84	4x19
50	165	125	99	4x19
65	185	145	118	4x19
80	200	160	132	8x19
100	220	180	156	8x19
125	250	210	184	8x19
150	285	240	211	8x23
200	340	295	268	12x23

Dimensions of N-M Pumps Without Baseplates ($P_2 \leq 4$ Kw)



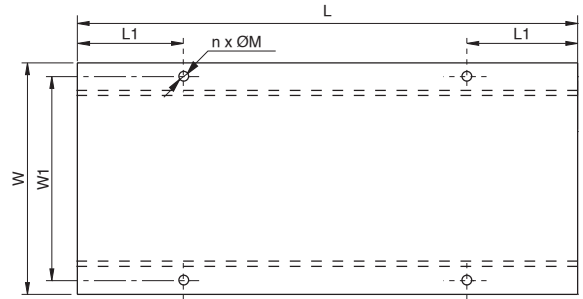
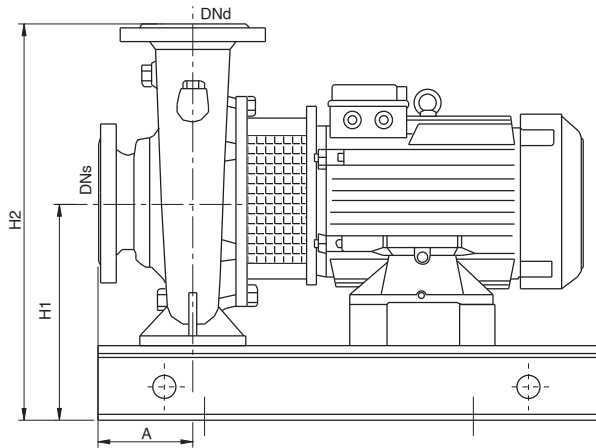
Pump type	Motor Size	DNs [mm]	DNd [mm]	L [mm]	A [mm]	H1 [mm]	H2 [mm]	M1 [mm]	M2 [mm]	K [mm]	N1 [mm]	N2 [mm]	Weight [kg]
N-M 32/125 1.1	80 M	50	32	395	80	112	140	70	100	14	140	190	71
N-M 32/125 1.5	90 S	50	32	423	80	112	140	70	100	14	140	190	74
N-M 32/125 2.2	90 L	50	32	423	80	112	140	70	100	14	140	190	76
N-M 32/125 3	100 L	50	32	463	80	112	140	70	100	14	140	190	83
N4-M 32/125 0.25	71 M	50	32	458	80	112	140	70	100	14	140	190	67
N4-M 32/125 0.37	71 M	50	32	458	80	112	140	70	100	14	140	190	68
N-M 32/160 3	100 L	50	32	463	80	132	160	70	100	14	190	240	87
N-M 32/160 4	112 M	50	32	490	80	132	160	70	100	14	190	240	95
N4-M 32/160 0.37	71 M	50	32	458	80	132	160	70	100	14	190	240	72
N4-M 32/160 0.55	80 M	50	32	475	80	132	160	70	100	14	190	240	74
N4-M 32/160 0.75	80 M	50	32	475	80	132	160	70	100	14	190	240	75
N-M 32/200 4	112 M	50	32	490	80	160	180	70	100	14	190	240	102
N4-M 32/200 0.55	80 M	50	32	475	80	160	180	70	100	14	190	240	81
N4-M 32/200 0.75	80 M	50	32	475	80	160	180	70	100	14	190	240	82
N4-M 32/200 1.1	90 S	50	32	503	80	160	180	70	100	14	190	240	84
N4-M 32/250 1.1	90 S	50	32	523	100	180	225	95	125	14	250	320	94
N4-M 32/250 1.5	90 L	50	32	523	100	180	225	95	125	14	250	320	96
N4-M 32/250 2.2	100 L	50	32	563	100	180	225	95	125	14	250	320	104
N4-M 32/250 3	100 L	50	32	563	100	180	225	95	125	14	250	320	107
N-M 40/125 2.2	90 L	65	40	423	80	112	140	70	100	14	160	210	84
N-M 40/125 3	100 L	65	40	463	80	112	140	70	100	14	160	210	91
N-M 40/125 4	112 M	65	40	490	80	112	140	70	100	14	160	210	99
N4-M 40/125 0.25	71 M	65	40	458	80	112	140	70	100	14	160	210	75
N4-M 40/125 0.37	71 M	65	40	458	80	112	140	70	100	14	160	210	76
N4-M 40/125 0.55	80 M	65	40	475	80	112	140	70	100	14	160	210	78
N-M 40/160 4	112 M	65	40	490	80	132	160	70	100	14	190	240	100
N4-M 40/160 0.55	80 M	65	40	475	80	132	160	70	100	14	190	240	79
N4-M 40/160 0.75	80 M	65	40	475	80	132	160	70	100	14	190	240	80
N4-M 40/160 1.1	90 S	65	40	503	80	132	160	70	100	14	190	240	82

Dimensions of N-M Pumps With Baseplates (P2 > 4 Kw)



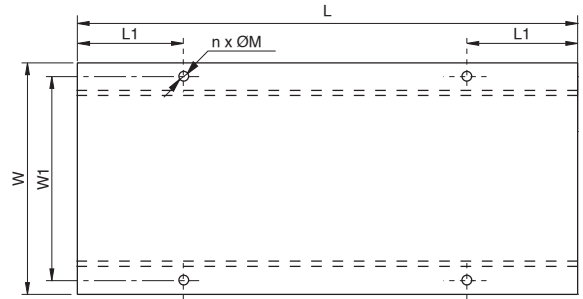
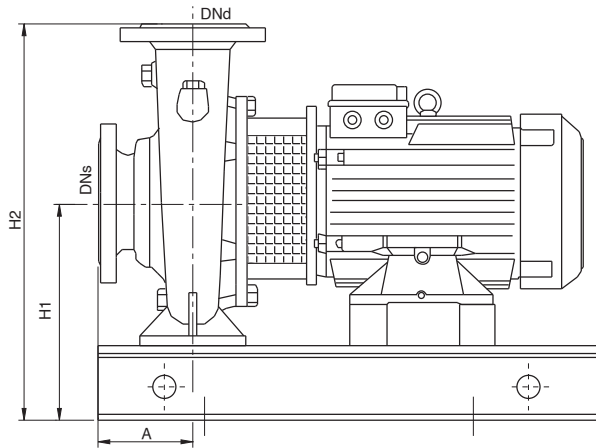
Pump type	Motor Size	DNs [mm]	DNd [mm]	L [mm]	A [mm]	H1 [mm]	H2 [mm]	M1 [mm]	M2 [mm]	K [mm]	N1 [mm]	N2 [mm]	Weight [kg]
N4-M 40/200 0.75	80 M	65	40	495	100	160	180	70	100	14	212	265	88
N4-M 40/200 1.1	90 S	65	40	523	100	160	180	70	100	14	212	265	90
N4-M 40/200 1.5	90 L	65	40	523	100	160	180	70	100	14	212	265	92
N4-M 40/200 2.2	100 L	65	40	563	100	160	180	70	100	14	212	265	100
N4-M 40/250 1.1	90 S	65	40	523	100	180	225	95	125	14	250	320	103
N4-M 40/250 1.5	90 L	65	40	523	100	180	225	95	125	14	250	320	105
N4-M 40/250 2.2	100 L	65	40	563	100	180	225	95	125	14	250	320	113
N4-M 40/250 3	100 L	65	40	563	100	180	225	95	125	14	250	320	116
N4-M 40/315 2.2	100 L	65	40	563	100	200	250	95	125	14	280	345	122
N4-M 40/315 3	100 L	65	40	563	100	200	250	95	125	14	280	345	125
N4-M 40/315 4	112 M	65	40	590	100	200	250	95	125	14	280	345	132
N-M 50/125 3	100 L	65	50	463	100	132	160	70	100	14	190	240	92
N-M 50/125 4	112 M	65	50	490	100	132	160	70	100	14	190	240	100
N4-M 50/125 0.37	71 M	65	50	478	100	132	160	70	100	14	190	240	77
N4-M 50/125 0.55	80 M	65	50	495	100	132	160	70	100	14	190	240	79
N4-M 50/125 0.75	80 M	65	50	495	100	132	160	70	100	14	190	240	80
N4-M 50/160 0.75	80 M	65	50	495	100	160	180	70	100	14	212	265	83
N4-M 50/160 1.1	90 S	65	50	523	100	160	180	70	100	14	212	265	85
N4-M 50/160 1.5	90 L	65	50	523	100	160	180	70	100	14	212	265	87
N4-M 50/200 1.1	90 S	65	50	523	100	160	200	70	100	14	212	265	93
N4-M 50/200 1.5	90 L	65	50	523	100	160	200	70	100	14	212	265	95
N4-M 50/200 2.2	100 L	65	50	563	100	160	200	70	100	14	212	265	103
N4-M 50/200 3	100 L	65	50	563	100	160	200	70	100	14	212	265	106
N4-M 50/250 2.2	100 L	65	50	628	100	180	225	95	125	14	250	320	116
N4-M 50/250 3	100 L	65	50	628	100	180	225	95	125	14	250	320	119
N4-M 50/250 4	112 M	65	50	655	100	180	225	95	125	14	250	320	126
N4-M 50/315 4	112 M	80	50	615	125	225	280	95	125	19	280	345	157
N-M 65/125 4	112 M	80	65	590	100	160	180	95	125	14	212	280	114
N4-M 65/125 0.55	80 M	80	65	495	100	160	180	95	125	14	212	280	93
N4-M 65/125 0.75	80 M	80	65	495	100	160	180	95	125	14	212	280	94
N4-M 65/125 1.1	90 S	80	65	523	100	160	180	95	125	14	212	280	96
N4-M 65/160 1.1	90 S	80	65	523	100	160	200	95	125	14	212	280	96
N4-M 65/160 1.5	90 L	80	65	523	100	160	200	95	125	14	212	280	98
N4-M 65/160 2.2	100 L	80	65	563	100	160	200	95	125	14	212	280	106
N4-M 65/200 1.5	90 L	80	65	523	100	180	225	95	125	14	250	320	108
N4-M 65/200 2.2	100 L	80	65	563	100	180	225	95	125	14	250	320	116
N4-M 65/200 3	100 L	80	65	563	100	180	225	95	125	14	250	320	119
N4-M 65/200 4	112 M	80	65	590	100	180	225	95	125	14	250	320	126
N4-M 65/250 3	100 L	80	65	563	100	200	250	120	160	19	280	360	138
N4-M 65/250 4	112 M	80	65	590	100	200	250	120	160	19	280	360	145
N4-M 80/160 1.5	90 L	100	80	548	125	180	225	95	125	14	250	320	110
N4-M 80/160 2.2	100 L	100	80	588	125	180	225	95	125	14	250	320	118
N4-M 80/160 3	100 L	100	80	588	125	180	225	95	125	14	250	320	123
N4-M 80/200 3	100 L	100	80	588	125	180	250	95	125	14	280	345	140
N4-M 80/200 4	112 M	100	80	615	125	180	250	95	125	14	280	345	147
N4-M 80/250 4	112 M	100	80	615	125	200	280	120	160	19	315	400	161
N4-M 100/160 3	100 L	125	100	588	125	200	280	120	160	19	280	360	167
N4-M 100/160 4	112 M	125	100	615	125	200	280	120	160	19	280	360	174
N4-M 100/200 3	100 L	125	100	588	125	200	280	120	160	19	280	360	175
N4-M 100/200 4	112 M	125	100	615	125	200	280	120	160	19	280	360	182

Dimensions of N-M Pumps With Baseplates (P2 > 4 Kw)



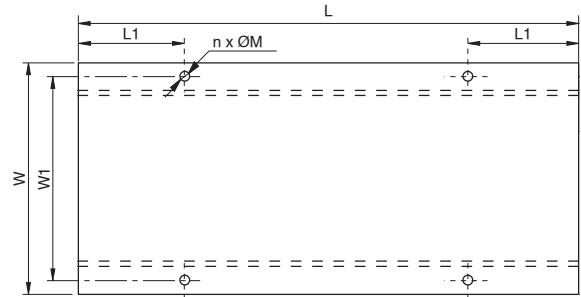
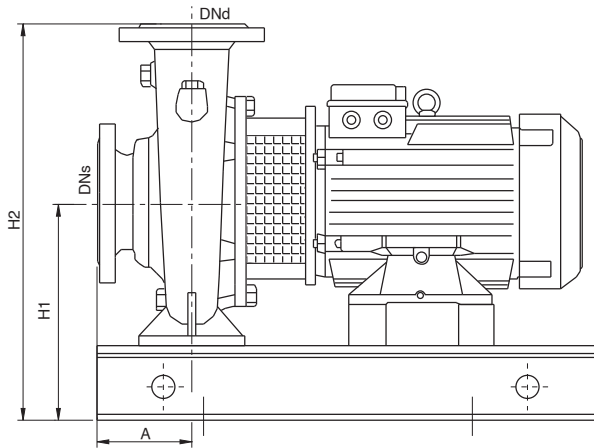
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	Weight [kg]
N-M 32/160 - 5.5	132 S	50	32	600	400	218	378	80	150	4 X 12	370	119
N-M 32/160 - 7.5	132 S	50	32	600	400	218	378	80	150	4 X 12	370	124
N-M 32/200 - 5.5	132 S	50	32	600	400	246	426	80	150	4 X 12	370	126
N-M 32/200 - 7.5	132 S	50	32	600	400	246	426	80	150	4 X 12	370	131
N-M 32/200 - 11	160 M	50	32	800	450	268	448	80	150	4 X 12	410	189
N-M 32/250 - 7.5	132 S	50	32	700	400	288	513	100	150	4 X 12	360	149
N-M 32/250 - 11	160 M	50	32	800	450	288	513	100	150	4 X 12	410	199
N-M 32/250 - 15	160 M	50	32	800	450	288	513	100	150	4 X 12	410	199
N-M 40/125 - 5.5	132 S	65	40	600	400	218	358	80	150	4 X 12	360	123
N-M 40/160 - 5.5	132 S	65	40	600	400	218	378	80	150	4 X 12	370	124
N-M 40/160 - 7.5	132 S	65	40	600	400	218	378	80	150	4 X 12	370	129
N-M 40/160 - 11	160 M	65	40	800	450	268	428	80	150	4 X 12	410	187
N-M 40/200 - 7.5	132 S	65	40	700	400	246	426	100	150	4 X 12	370	140
N-M 40/200 - 11	160 M	65	40	800	450	268	448	100	150	4 X 12	410	195
N-M 40/200 - 15	160 M	65	40	800	450	268	448	100	150	4 X 12	410	202
N-M 40/250 - 11	160 M	65	40	800	450	288	513	100	150	4 X 12	410	208
N-M 40/250 - 15	160 M	65	40	800	450	288	513	100	150	4 X 12	410	215
N-M 40/250 - 18.5	160 L	65	40	800	450	288	513	100	100	4 X 14	410	230
N-M 40/250 - 22	180 M	65	40	900	500	288	513	100	100	4 X 14	460	261
N-M 40/250 - 30	180 M	65	40	900	500	330	555	100	100	4 X 14	450	305
N4-M 40/315 - 5.5	132 S	65	40	700	400	308	558	100	150	4 X 12	360	172
N-M 50/125 - 5.5	132 S	65	50	700	400	218	378	100	150	4 X 12	370	127
N-M 50/125 - 7.5	132 S	65	50	700	400	218	378	100	150	4 X 12	370	132
N-M 50/160 - 5.5	132 S	65	50	700	400	246	426	100	150	4 X 12	370	130
N-M 50/160 - 7.5	132 S	65	50	700	400	246	426	100	150	4 X 12	370	135
N-M 50/160 - 11	160 M	65	50	800	450	268	448	100	150	4 X 12	410	190
N-M 50/200 - 11	160 M	65	50	800	450	268	468	100	150	4 X 12	410	198
N-M 50/200 - 15	160 M	65	50	800	450	268	468	100	150	4 X 12	410	205
N-M 50/200 - 18.5	160 L	65	50	800	450	268	468	100	100	4 X 14	410	220
N-M 50/200 - 22	180 M	65	50	900	500	288	488	100	100	4 X 14	455	251
N-M 50/250 - 18.5	160 L	65	50	800	450	288	513	100	100	4 X 14	410	233
N-M 50/250 - 22	180 M	65	50	900	500	288	513	100	100	4 X 14	460	264
N-M 50/250 - 30	200 L	65	50	900	500	330	555	100	100	4 X 14	450	308
N-M 50/250 - 37	200 L	65	50	900	500	330	555	100	100	4 X 14	450	327
N4-M 50/250 - 5.5	132 S	65	50	700	400	288	513	100	150	4 X 12	360	166
N4-M 50/315 - 5.5	132 S	80	50	700	400	333	613	125	150	4 X 12	360	197
N4-M 50/315 - 7.5	132 M	80	50	700	400	333	613	125	150	4 X 12	360	218
N4-M 50/315 - 11	160 M	80	50	900	450	333	613	125	150	4 X 12	410	254
N-M 65/125 - 5.5	132 S	80	65	700	400	246	426	100	150	4 X 12	370	141
N-M 65/125 - 7.5	132 S	80	65	700	400	246	426	100	150	4 X 12	370	146
N-M 65/125 - 11	160 M	80	65	800	450	268	448	100	150	4 X 12	410	201
N-M 65/160 - 11	160 M	80	65	800	450	268	468	100	150	4 X 12	410	201
N-M 65/160 - 15	160 M	80	65	800	450	268	468	100	150	4 X 12	410	208
N-M 65/160 - 18.5	160 L	80	65	800	450	268	468	100	100	4 X 14	410	223
N-M 65/200 - 18.5	160 L	80	65	800	450	288	513	100	100	4 X 14	410	233
N-M 65/200 - 22	180 M	80	65	900	500	288	513	100	100	4 X 14	460	264
N-M 65/200 - 30	200 L	80	65	900	500	308	533	100	100	4 X 14	455	301
N-M 65/250 - 22	180 M	80	65	900	500	308	558	100	100	4 X 14	460	283
N-M 65/250 - 30	200 L	80	65	900	500	330	580	100	100	4 X 14	455	327
N-M 65/250 - 37	200 L	80	65	900	500	330	580	100	100	4 X 14	455	346
N-M 65/250 - 45	225 M	80	65	1000	550	355	605	100	100	4 X 14	505	397
N4-M 65/250 - 5.5	132 S	80	65	700	500	308	558	100	150	4 X 12	460	189
N4-M 65/250 - 7.5	132 M	80	65	700	500	308	558	100	150	4 X 12	460	210

Dimensions of N-M Pumps With Baseplates (P2 > 4 Kw)



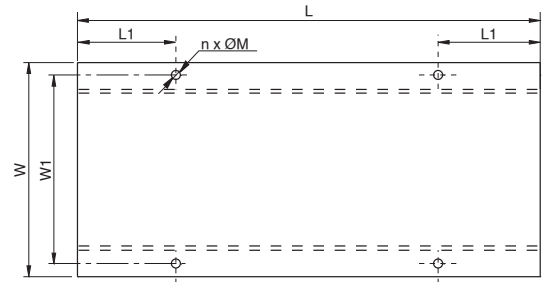
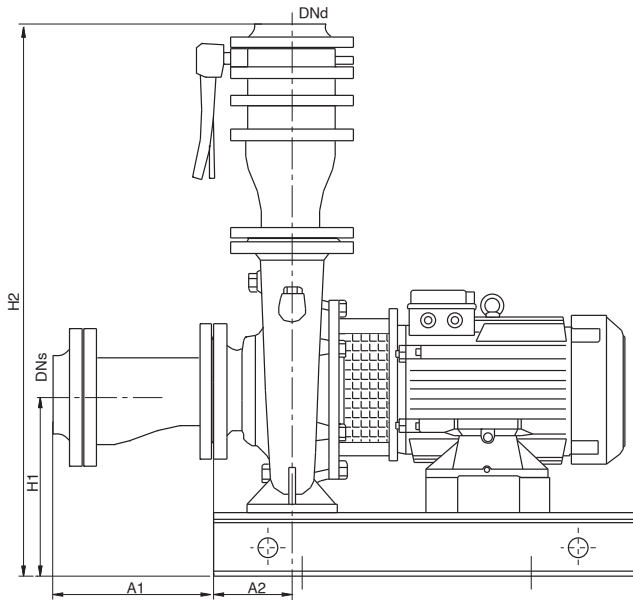
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	Weight [kg]
N4-M 65/315 - 5.5	132 S	80	65	700	500	333	613	125	150	4 X 12	460	189
N4-M 65/315 - 7.5	132 M	80	65	700	500	333	613	125	150	4 X 12	460	210
N4-M 65/315 - 11	160 M	80	65	900	500	333	613	125	150	4 X 14	460	245
N4-M 65/315 - 15	160 L	80	65	900	500	333	613	125	150	4 X 14	460	259
N-M 80/160 - 11	160 M	100	80	900	450	288	513	125	150	4 X 12	410	218
N-M 80/160 - 15	160 M	100	80	900	450	288	513	125	150	4 X 12	410	225
N-M 80/160 - 18.5	160 L	100	80	900	500	288	513	125	100	4 X 14	460	243
N-M 80/160 - 22	180 M	100	80	900	500	288	513	125	100	4 X 14	460	266
N-M 80/200 - 22	180 M	100	80	900	500	288	538	125	100	4 X 14	460	279
N-M 80/200 - 30	200 L	100	80	900	500	330	580	125	100	4 X 14	450	301
N-M 80/200 - 37	200 L	100	80	900	500	330	580	125	100	4 X 14	450	306
N-M 80/200 - 45	225 M	100	80	1000	550	355	605	125	150	4 X 16	505	335
N4-M 80/200 - 5.5	132 S	100	80	700	400	288	538	125	150	4 X 12	360	187
N-M 80/250 - 37	200 L	100	80	950	500	330	610	125	100	4 X 14	455	334
N-M 80/250 - 45	225 M	100	80	1000	550	355	635	125	150	4 X 16	505	360
N4-M 80/250 - 5.5	132 S	100	80	700	500	308	588	125	150	4 X 12	460	205
N4-M 80/250 - 7.5	132 M	100	80	700	500	308	588	125	150	4 X 12	460	226
N4-M 80/250 - 11	160 M	100	80	900	500	308	588	125	150	4 X 12	460	261
N4-M 80/315 - 7.5	132 M	100	80	700	500	358	673	125	100	4 X 14	460	252
N4-M 80/315 - 11	160 M	100	80	900	500	358	673	125	150	4 X 14	460	287
N4-M 80/315 - 15	160 L	100	80	900	500	358	673	125	150	4 X 14	460	301
N4-M 80/315 - 18.5	180 M	100	80	900	500	380	695	125	100	4 X 14	455	337
N-M 100/160 - 30	200 L	125	100	950	500	330	610	125	100	4 X 14	455	379
N-M 100/160 - 37	200 L	125	100	950	500	330	610	125	100	4 X 14	455	384
N-M 100/160 - 45	225 M	125	100	1000	550	355	635	125	150	4 X 16	505	410
N4-M 100/160 - 5.5	132 S	125	100	700	500	308	588	125	150	4 X 12	460	218
N-M 100/200 - 30	200 L	125	100	950	500	330	610	125	100	4 X 14	455	394
N-M 100/200 - 37	200 L	125	100	950	500	330	610	125	100	4 X 14	455	399
N-M 100/200 - 45	225 M	125	100	1000	550	355	635	125	150	4 X 16	505	420
N4-M 100/200 - 5.5	132 S	125	100	700	500	308	588	125	150	4 X 12	460	226
N4-M 100/200 - 7.5	132 M	125	100	700	500	308	588	125	150	4 X 12	460	247
N-M 100/250 - 45	225 M	125	100	1050	550	355	635	140	150	4 X 16	505	463
N4-M 100/250 - 5.5	132 S	125	100	700	500	333	613	140	150	4 X 12	460	235
N4-M 100/250 - 7.5	132 M	125	100	700	500	333	613	140	150	4 X 12	460	256
N4-M 100/250 - 11	160 M	125	100	900	500	333	613	140	150	4 X 14	460	291
N4-M 100/250 - 15	160 L	125	100	900	500	333	613	140	150	4 X 14	460	305
N4-M 100/315 - 11	160 M	125	100	900	500	358	673	140	150	4 X 14	460	315
N4-M 100/315 - 15	160 L	125	100	900	500	380	695	140	150	4 X 14	455	336
N4-M 100/315 - 18.5	180 M	125	100	900	500	380	695	140	100	4 X 14	455	365
N4-M 100/315 - 22	180 M	125	100	900	500	380	695	140	100	4 X 14	455	373
N4-M 100/315 - 30	200 L	125	100	1000	500	380	695	140	100	4 X 14	455	431
N4-M 100/400 - 22	180 M	125	100	900	600	410	765	140	100	4 X 14	555	424
N4-M 100/400 - 30	200 L	125	100	1000	600	410	765	140	100	4 X 14	555	482
N4-M 100/400 - 37	225 S	125	100	1100	600	410	765	140	150	4 X 16	555	539
N4-M 100/400 - 45	225 M	125	100	1100	600	452	807	140	150	4 X 16	545	582
N4-M 125/200 - 7.5	132 M	150	125	700	500	358	673	140	150	4 X 12	460	271
N4-M 125/200 - 11	160 M	150	125	900	500	358	673	140	150	4 X 14	460	306
N4-M 125/200 - 15	160 L	150	125	900	500	358	673	140	150	4 X 14	460	320
N4-M 125/250 - 11	160 M	150	125	900	500	358	713	140	150	4 X 14	460	322
N4-M 125/250 - 15	160 L	150	125	900	500	358	713	140	150	4 X 14	460	336
N4-M 125/250 - 18.5	180 M	150	125	900	500	380	735	140	100	4 X 14	455	372
N4-M 125/250 - 22	180 M	150	125	900	500	380	735	140	100	4 X 14	455	380

Dimensions of N-M Pumps With Baseplates (P2 > 4 Kw)



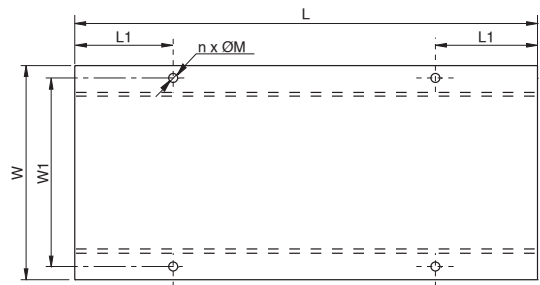
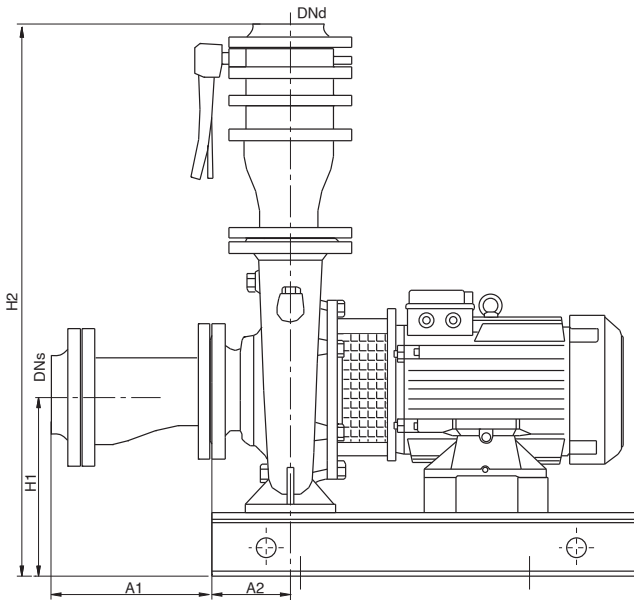
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	Weight [kg]
N4-M 125/315 - 15	160 L	150	125	900	600	410	765	140	150	4 X 14	555	387
N4-M 125/315 - 18.5	180 M	150	125	900	600	410	765	140	100	4 X 14	555	416
N4-M 125/315 - 22	180 M	150	125	900	600	410	765	140	100	4 X 14	555	424
N4-M 125/315 - 30	200 L	150	125	1000	600	410	765	140	100	4 X 14	555	482
N4-M 125/315 - 37	225 S	150	125	1100	600	410	765	140	150	4 X 16	555	539
N4-M 125/400 - 37	225 S	150	125	1100	600	487	887	140	150	4 X 16	545	604
N4-M 125/400 - 45	225 M	150	125	1100	600	487	887	140	150	4 X 16	545	641
N4-M 150/200 - 11	160 M	200	150	900	600	410	765	160	150	4 X 14	555	394
N4-M 150/200 - 15	160 L	200	150	900	600	410	765	160	150	4 X 14	555	408
N4-M 150/200 - 18.5	180 M	200	150	900	600	410	765	160	100	4 X 14	555	437
N4-M 150/250 - 15	160 L	200	150	900	600	410	785	160	150	4 X 14	555	438
N4-M 150/250 - 18.5	180 M	200	150	900	600	410	785	160	100	4 X 14	555	467
N4-M 150/250 - 22	180 M	200	150	900	600	410	785	160	100	4 X 14	555	475
N4-M 150/250 - 30	200 L	200	150	1000	600	410	785	160	100	4 X 14	555	533
N4-M 150/315 - 22	180 M	200	150	900	700	410	810	160	100	4 X 14	655	486
N4-M 150/315 - 30	200 L	200	150	1000	700	410	810	160	100	4 X 14	655	545
N4-M 150/315 - 37	225 S	200	150	1100	700	410	810	160	150	4 X 16	655	602
N4-M 150/315 - 45	225 M	200	150	1100	700	452	852	160	150	4 X 16	645	652
N4-M 150/400 - 45	225 M	200	150	1100	700	487	937	160	150	4 X 16	645	702

Main Measurements of Pumping Systems With One N-M Pump



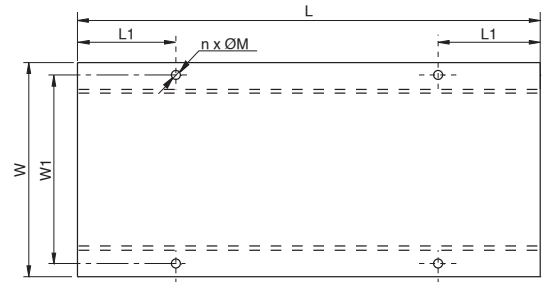
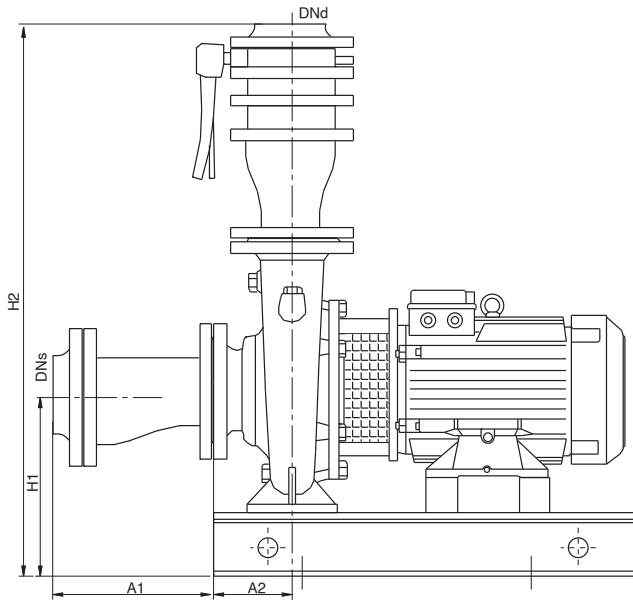
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	Weight [kg]
1-N-M 32/125 - 1.1	80M	65	40	500	300	198	623	230	80	150	4 X 10	270	97
1-N-M 32/125 - 1.5	90S	65	40	500	300	198	623	230	80	150	4 X 10	270	100
1-N-M 32/125 - 2.2	90S	65	40	500	300	198	623	230	80	150	4 X 10	270	102
1-N-M 32/125 - 3	100L	65	40	500	300	198	623	230	80	150	4 X 10	270	109
1-N4-M 32/125 - 0.25	71M	65	40	500	300	198	623	230	80	150	4 X 10	270	93
1-N4-M 32/125 - 0.37	71M	65	40	500	300	198	623	230	80	150	4 X 10	270	94
1-N-M 32/160 - 3	100L	65	40	500	300	218	663	230	80	150	4 X 10	270	113
1-N-M 32/160 - 4	112M	65	40	600	350	218	663	230	80	150	4 X 12	320	125
1-N-M 32/160 - 5.5	132S	65	40	600	400	218	663	230	80	150	4 X 12	370	129
1-N-M 32/160 - 7.5	132S	65	40	600	400	218	663	230	80	150	4 X 12	370	134
1-N4-M 32/160 - 0.37	71M	65	40	500	300	218	663	230	80	150	4 X 10	270	98
1-N4-M 32/160 - 0.55	80M	65	40	500	300	218	663	230	80	150	4 X 10	270	100
1-N4-M 32/160 - 0.75	80M	65	40	500	300	218	663	230	80	150	4 X 10	270	101
1-N-M 32/200 - 4	112M	65	40	600	350	246	711	230	80	150	4 X 12	320	132
1-N-M 32/200 - 5.5	132S	65	40	600	400	246	711	230	80	150	4 X 12	370	136
1-N-M 32/200 - 7.5	132S	65	40	600	400	246	711	230	80	150	4 X 12	370	141
1-N-M 32/200 - 11	160M	65	40	800	450	268	733	230	80	150	4 X 12	410	199
1-N4-M 32/200 - 0.55	80M	65	40	500	300	246	711	230	80	150	4 X 10	270	107
1-N4-M 32/200 - 0.75	80M	65	40	500	300	246	711	230	80	150	4 X 10	270	108
1-N4-M 32/200 - 1.1	90S	65	40	500	300	246	711	230	80	150	4 X 10	270	110
1-N-M 32/250 - 7.5	132S	65	40	700	400	288	798	230	100	150	4 X 12	360	159
1-N-M 32/250 - 11	160M	65	40	800	450	288	798	230	100	150	4 X 12	410	209
1-N-M 32/250 - 15	160M	65	40	800	450	288	798	230	100	150	4 X 12	410	209
1-N4-M 32/250 - 1.1	90S	65	40	500	400	266	776	230	100	150	4 X 10	370	122
1-N4-M 32/250 - 1.5	90S	65	40	500	400	266	776	230	100	150	4 X 10	370	124
1-N4-M 32/250 - 2.2	100L	65	40	600	400	266	776	230	100	150	4 X 12	370	136
1-N4-M 32/250 - 3	100L	65	40	600	400	266	776	230	100	150	4 X 12	370	139
1-N-M 40/125 - 2.2	90L	80	50	500	300	198	658	240	80	150	4 X 10	270	113
1-N-M 40/125 - 3	100L	80	50	500	300	198	658	240	80	150	4 X 12	270	120
1-N-M 40/125 - 4	112M	80	50	600	350	198	658	240	80	150	4 X 12	320	132
1-N-M 40/125 - 5.5	132S	80	50	600	400	218	678	240	80	150	4 X 12	360	136
1-N4-M 40/125 - 0.25	71M	80	50	500	300	198	658	240	80	150	4 X 10	270	104
1-N4-M 40/125 - 0.37	71M	80	50	500	300	198	658	240	80	150	4 X 10	270	105
1-N4-M 40/125 - 0.55	80M	80	50	500	300	198	658	240	80	150	4 X 10	270	107
1-N-M 40/160 - 4	112M	80	50	600	350	218	698	240	80	150	4 X 12	320	133
1-N-M 40/160 - 5.5	132S	80	50	600	400	218	698	240	80	150	4 X 12	370	137
1-N-M 40/160 - 7.5	132S	80	50	600	400	218	698	240	80	150	4 X 12	370	142
1-N-M 40/160 - 11	160M	80	50	800	450	268	748	240	80	150	4 X 12	410	200
1-N4-M 40/160 - 0.55	80M	80	50	500	300	218	698	240	80	150	4 X 10	270	108
1-N4-M 40/160 - 0.75	80M	80	50	500	300	218	698	240	80	150	4 X 10	270	109
1-N4-M 40/160 - 1.1	90S	80	50	500	300	218	698	240	80	150	4 X 10	270	111
1-N-M 40/200 - 7.5	132S	80	50	700	400	246	746	240	100	150	4 X 12	370	153
1-N-M 40/200 - 11	160M	80	50	800	450	268	768	240	100	150	4 X 12	410	208
1-N-M 40/200 - 15	160M	80	50	800	450	268	768	240	100	150	4 X 12	410	215
1-N4-M 40/200 - 0.75	80M	80	50	500	400	246	746	240	100	150	4 X 10	370	119
1-N4-M 40/200 - 1.1	90S	80	50	500	400	246	746	240	100	150	4 X 10	370	121
1-N4-M 40/200 - 1.5	90L	80	50	500	400	246	746	240	100	150	4 X 10	370	123
1-N4-M 40/200 - 2.2	100L	80	50	600	400	246	746	240	100	150	4 X 12	370	135

Main Measurements of Pumping Systems With One N-M Pump



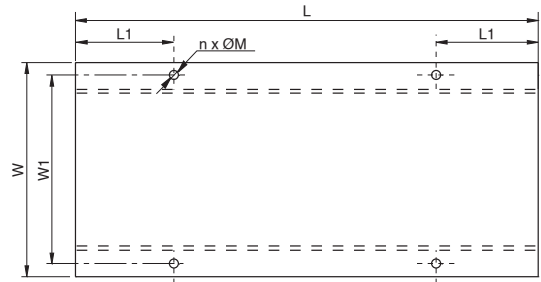
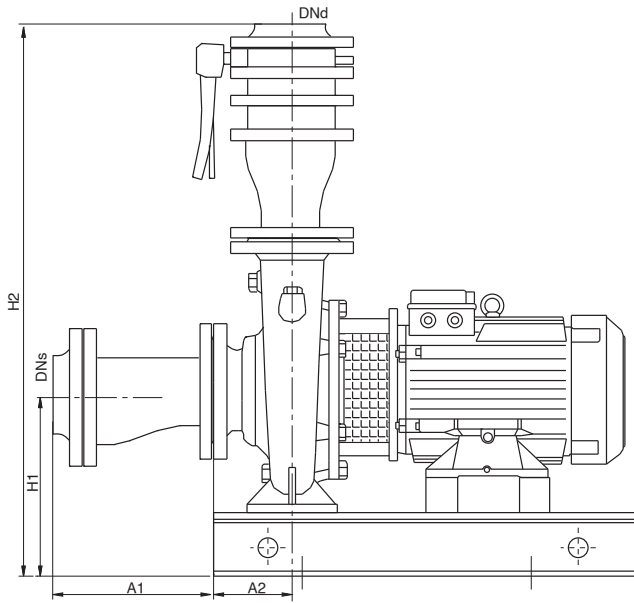
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	Weight [kg]
1-N-M 40/250 - 11	160M	80	50	800	450	288	833	240	100	150	4 X 12	410	221
1-N-M 40/250 - 15	160M	80	50	800	450	288	833	240	100	150	4 X 12	410	228
1-N-M 40/250 - 18.5	160L	80	50	800	450	288	833	240	100	100	4 X 14	410	243
1-N-M 40/250 - 22	180M	80	50	900	500	288	833	240	100	100	4 X 14	460	274
1-N-M 40/250 - 30	200L	80	50	900	500	330	875	240	100	100	4 X 14	450	320
1-N4-M 40/250 - 1.1	90S	80	50	500	400	266	811	240	100	150	4 X 10	370	134
1-N4-M 40/250 - 1.5	90L	80	50	500	400	266	811	240	100	150	4 X 10	370	136
1-N4-M 40/250 - 2.2	100L	80	50	600	400	266	811	240	100	150	4 X 12	370	148
1-N4-M 40/250 - 3	100L	80	50	600	400	266	811	240	100	150	4 X 12	370	151
1-N4-M 40/315 - 2.2	100L	80	50	600	400	286	856	240	100	150	4 X 12	370	157
1-N4-M 40/315 - 3	100L	80	50	600	400	286	856	240	100	150	4 X 12	370	160
1-N4-M 40/315 - 4	112M	80	50	600	400	308	878	240	100	150	4 X 12	360	170
1-N4-M 40/315 - 5.5	132S	80	50	700	400	308	878	240	100	150	4 X 12	360	185
1-N-M 50/125 - 3	100L	80	65	600	300	218	723	240	100	150	4 X 12	270	126
1-N-M 50/125 - 4	100L	80	65	600	350	218	723	240	100	150	4 X 12	320	135
1-N-M 50/125 - 5.5	132S	80	65	700	400	218	723	240	100	150	4 X 12	370	142
1-N-M 50/125 - 7.5	132S	80	65	700	400	218	723	240	100	150	4 X 12	370	147
1-N4-M 50/125 - 0.37	71M	80	65	500	300	218	723	240	100	150	4 X 10	270	108
1-N4-M 50/125 - 0.55	80M	80	65	500	300	218	723	240	100	150	4 X 10	270	110
1-N4-M 50/125 - 0.75	80M	80	65	500	300	218	723	240	100	150	4 X 10	270	111
1-N-M 50/160 - 5.5	132S	80	65	700	400	246	771	240	100	150	4 X 12	370	145
1-N-M 50/160 - 7.5	132S	80	65	700	400	246	771	240	100	150	4 X 12	370	150
1-N-M 50/160 - 11	160M	80	65	800	450	268	793	240	100	150	4 X 12	410	205
1-N4-M 50/160 - 0.75	80M	80	65	500	400	246	771	240	100	150	4 X 10	370	116
1-N4-M 50/160 - 1.1	90S	80	65	500	400	246	771	240	100	150	4 X 10	370	118
1-N4-M 50/160 - 1.5	90L	80	65	500	400	246	771	240	100	150	4 X 10	370	120
1-N-M 50/200 - 11	160M	80	65	800	450	268	813	240	100	150	4 X 12	410	213
1-N-M 50/200 - 15	160M	80	65	800	450	268	813	240	100	150	4 X 12	410	220
1-N-M 50/200 - 18.5	160L	80	65	800	450	268	813	240	100	100	4 X 14	410	235
1-N-M 50/200 - 22	180M	80	65	900	500	288	833	240	100	100	4 X 14	455	266
1-N4-M 50/200 - 1.1	90S	80	65	500	400	246	791	240	100	150	4 X 10	370	126
1-N4-M 50/200 - 1.5	90L	80	65	500	400	246	791	240	100	150	4 X 10	370	128
1-N4-M 50/200 - 2.2	100L	80	65	600	400	246	791	240	100	150	4 X 12	370	140
1-N4-M 50/200 - 3	100L	80	65	600	400	246	791	240	100	150	4 X 12	370	143
1-N-M 50/250 - 18.5	160L	80	65	800	450	288	858	240	100	100	4 X 14	410	248
1-N-M 50/250 - 22	180M	80	65	900	500	288	858	240	100	100	4 X 14	460	279
1-N-M 50/250 - 30	200L	80	65	900	500	330	900	240	100	100	4 X 14	450	323
1-N-M 50/250 - 37	200L	80	65	900	500	330	900	240	100	100	4 X 14	450	342
1-N4-M 50/250 - 2.2	100L	80	65	700	400	266	836	240	100	150	4 X 12	370	156
1-N4-M 50/250 - 3	100L	80	65	700	400	266	836	240	100	150	4 X 12	370	159
1-N4-M 50/250 - 4	112M	80	65	700	400	288	858	240	100	150	4 X 12	360	171
1-N4-M 50/250 - 5.5	132S	80	65	700	400	288	858	240	100	150	4 X 12	360	181
1-N4-M 50/315 - 4	112M	80	65	600	400	333	958	240	125	150	4 X 12	360	197
1-N4-M 50/315 - 5.5	132S	80	65	700	400	333	958	240	125	150	4 X 12	360	212
1-N4-M 50/315 - 7.5	132M	80	65	700	400	333	958	240	125	150	4 X 12	360	233
1-N4-M 50/315 - 11	160M	80	65	900	450	333	958	240	125	150	4 X 12	410	269

Main Measurements of Pumping Systems With One N-M Pump



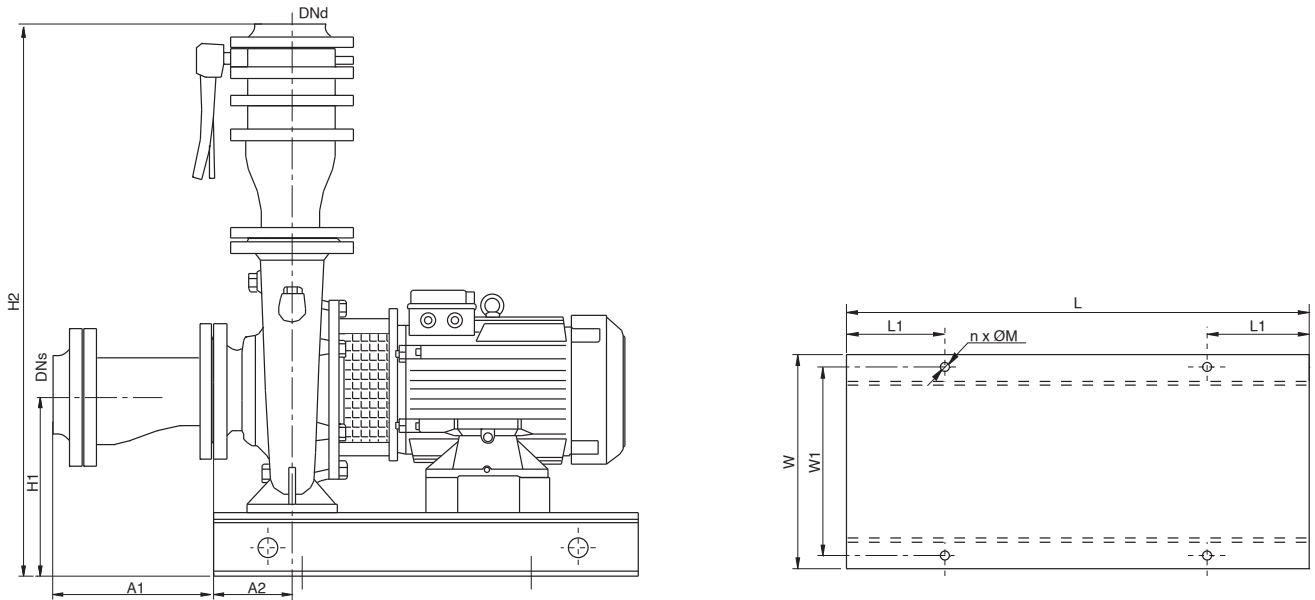
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	Weight [kg]
1-N-M 65/125 - 4	112M	100	80	600	400	246	781	255	100	150	4 X 12	370	154
1-N-M 65/125 - 5.5	112M	100	80	700	400	246	781	255	100	150	4 X 12	370	159
1-N-M 65/125 - 7.5	132S	100	80	700	400	246	781	255	100	150	4 X 12	370	164
1-N-M 65/125 - 11	160M	100	80	800	450	268	803	255	100	150	4 X 12	410	219
1-N4-M 65/125 - 0.55	80M	100	80	500	400	246	781	255	100	150	4 X 10	370	129
1-N4-M 65/125 - 0.75	80M	100	80	500	400	246	781	255	100	150	4 X 10	370	130
1-N4-M 65/125 - 1.1	90S	100	80	550	400	246	781	255	100	150	4 X 10	370	134
1-N-M 65/160 - 11	160M	100	80	800	450	268	823	255	100	150	4 X 12	410	219
1-N-M 65/160 - 15	160M	100	80	800	450	268	823	255	100	150	4 X 12	410	226
1-N-M 65/160 - 18.5	160L	100	80	800	450	268	823	255	100	100	4 X 14	410	241
1-N4-M 65/160 - 1.1	90S	100	80	550	400	246	801	255	100	150	4 X 10	370	134
1-N4-M 65/160 - 1.5	90L	100	80	550	400	246	801	255	100	150	4 X 10	370	136
1-N4-M 65/160 - 2.2	100L	100	80	600	400	246	801	255	100	150	4 X 12	370	146
1-N-M 65/200 - 18.5	160L	100	80	800	450	288	868	255	100	100	4 X 14	410	251
1-N-M 65/200 - 22	180M	100	80	900	500	288	868	255	100	100	4 X 14	460	282
1-N-M 65/200 - 30	200L	100	80	900	500	308	888	255	100	100	4 X 14	455	319
1-N4-M 65/200 - 1.5	90L	100	80	550	400	266	846	255	100	150	4 X 10	370	146
1-N4-M 65/200 - 2.2	100L	100	80	600	400	266	846	255	100	150	4 X 12	370	156
1-N4-M 65/200 - 3	100L	100	80	600	400	266	846	255	100	150	4 X 12	370	159
1-N4-M 65/200 - 4	112M	100	80	600	400	266	846	255	100	150	4 X 12	370	166
1-N-M 65/250 - 22	180M	100	80	900	500	308	913	255	100	100	4 X 14	460	301
1-N-M 65/250 - 30	200L	100	80	900	500	330	935	255	100	100	4 X 14	455	345
1-N-M 65/250 - 37	200L	100	80	900	500	330	935	255	100	100	4 X 14	455	364
1-N-M 65/250 - 45	225M	100	80	1000	550	355	960	255	100	100	4 X 14	505	415
1-N4-M 65/250 - 3	100L	100	80	600	500	308	913	255	100	150	4 X 12	460	185
1-N4-M 65/250 - 4	112M	100	80	600	500	308	913	255	100	150	4 X 12	460	192
1-N4-M 65/250 - 5.5	132S	100	80	700	500	308	913	255	100	150	4 X 12	460	207
1-N4-M 65/250 - 7.5	132M	100	80	700	500	308	913	255	100	150	4 X 12	460	228
1-N4-M 65/315 - 5.5	132S	100	80	700	500	333	968	255	125	150	4 X 12	460	207
1-N4-M 65/315 - 7.5	132M	100	80	700	500	333	968	255	125	150	4 X 12	460	228
1-N4-M 65/315 - 11	160M	100	80	900	500	333	968	255	125	150	4 X 14	460	263
1-N4-M 65/315 - 15	160L	100	80	900	500	333	968	255	125	150	4 X 14	460	277
1-N-M 80/160 - 11	160M	125	100	900	450	288	903	295	125	150	4 X 12	410	240
1-N-M 80/160 - 15	160M	125	100	900	450	288	903	295	125	150	4 X 12	410	247
1-N-M 80/160 - 18.5	160L	125	100	900	500	288	903	295	125	100	4 X 14	460	265
1-N-M 80/160 - 22	180M	125	100	900	500	288	903	295	125	100	4 X 14	460	288
1-N4-M 80/160 - 1.5	90L	125	100	500	400	266	881	295	125	150	4 X 10	370	150
1-N4-M 80/160 - 2.2	100L	125	100	600	400	266	881	295	125	150	4 X 12	370	162
1-N4-M 80/160 - 3	100L	125	100	600	400	266	881	295	125	150	4 X 12	370	167
1-N-M 80/200 - 22	180M	125	100	900	500	288	928	295	125	100	4 X 14	460	301
1-N-M 80/200 - 30	200L	125	100	900	500	330	970	295	125	100	4 X 14	450	323
1-N-M 80/200 - 37	200L	125	100	900	500	330	970	295	125	100	4 X 14	450	328
1-N-M 80/200 - 45	225M	125	100	1000	550	355	995	295	125	150	4 X 16	505	357
1-N4-M 80/200 - 3	100L	125	100	600	400	288	928	295	125	150	4 X 12	360	187
1-N4-M 80/200 - 4	112M	125	100	600	400	288	928	295	125	150	4 X 12	360	194
1-N4-M 80/200 - 5.5	132S	125	100	700	400	288	928	295	125	150	4 X 12	360	209

Main Measurements of Pumping Systems With One N-M Pump



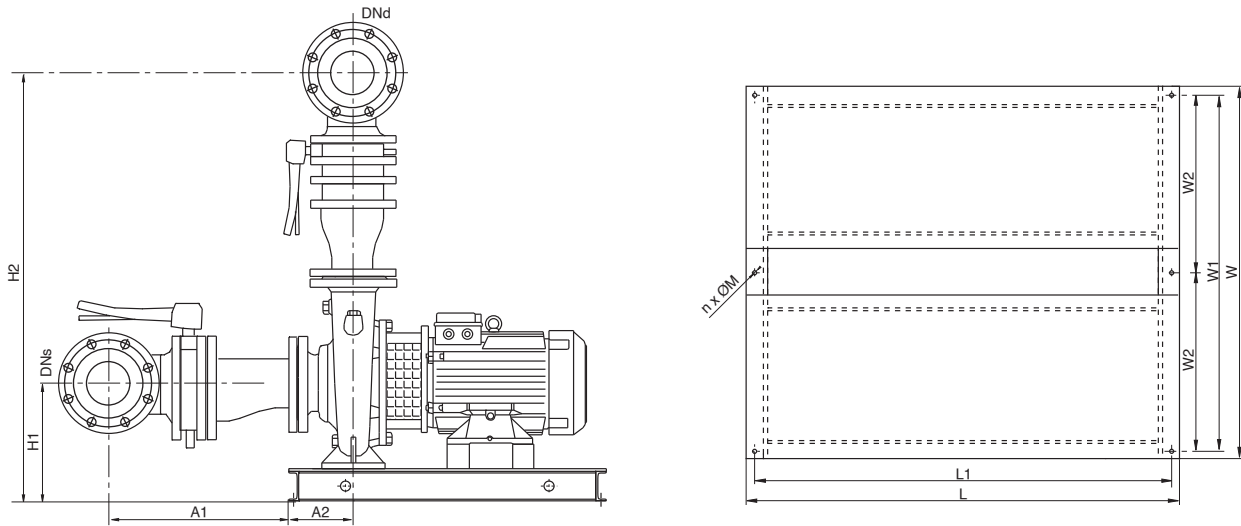
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	Weight [kg]
1-N-M 80/250 - 37	200L	125	100	950	500	330	1000	295	125	100	4 X 14	455	356
1-N-M 80/250 - 45	225M	125	100	1000	550	355	1025	295	125	150	4 X 16	505	382
1-N-M 80/250 - 4	112M	125	100	600	500	308	978	295	125	150	4 X 12	460	212
1-N4-M 80/250 - 5.5	132S	125	100	700	500	308	978	295	125	150	4 X 12	460	227
1-N4-M 80/250 - 7.5	132M	125	100	700	500	308	978	295	125	150	4 X 12	460	248
1-N4-M 80/250 - 11	160M	125	100	900	500	308	978	295	125	150	4 X 12	460	283
1-N4-M 80/315 - 7.5	132M	125	100	700	500	358	1063	295	125	100	4 X 14	460	274
1-N4-M 80/315 - 11	160M	125	100	900	500	358	1063	295	125	150	4 X 14	460	309
1-N4-M 80/315 - 15	160L	125	100	900	500	358	1063	295	125	150	4 X 14	460	323
1-N4-M 80/315 - 18.5	180M	125	100	900	500	380	1085	295	125	100	4 X 14	455	359
1-N-M 100/160 - 30	200L	150	125	950	500	330	1110	310	125	100	4 X 14	455	404
1-N-M 100/160 - 37	200L	150	125	950	500	330	1110	310	125	100	4 X 14	455	409
1-N-M 100/160 - 45	225M	150	125	1000	550	355	1135	310	125	150	4 X 16	505	435
1-N4-M 100/160 - 3	100L	150	125	600	500	308	1088	310	125	150	4 X 12	460	221
1-N4-M 100/160 - 4	112M	150	125	600	500	308	1088	310	125	150	4 X 12	460	228
1-N4-M 100/160 - 5.5	132S	150	125	700	500	308	1088	310	125	150	4 X 12	460	243
1-N-M 100/200 - 30	200L	150	125	950	500	330	1110	310	125	100	4 X 14	455	419
1-N-M 100/200 - 37	200L	150	125	950	500	330	1110	310	125	100	4 X 14	455	424
1-N-M 100/200 - 45	225M	150	125	1000	550	355	1135	310	125	150	4 X 16	505	445
1-N4-M 100/200 - 3	100L	150	125	600	500	308	1088	310	125	150	4 X 12	460	229
1-N4-M 100/200 - 4	112M	150	125	600	500	308	1088	310	125	150	4 X 12	460	236
1-N4-M 100/200 - 5.5	132S	150	125	700	500	308	1088	310	125	150	4 X 12	460	251
1-N4-M 100/200 - 7.5	132M	150	125	700	500	308	1088	310	125	150	4 X 12	460	272
1-N-M 100/250 - 45	225M	150	125	1050	550	355	1135	310	140	150	4 X 16	505	488
1-N4-M 100/250 - 5.5	132S	150	125	700	500	333	1113	310	140	150	4 X 12	460	260
1-N4-M 100/250 - 7.5	132M	150	125	700	500	333	1113	310	140	150	4 X 12	460	281
1-N4-M 100/250 - 11	160M	150	125	900	500	333	1113	310	140	150	4 X 14	460	316
1-N4-M 100/250 - 15	160L	150	125	900	500	333	1113	310	140	150	4 X 14	460	330
1-N4-M 100/315 - 11	160M	150	125	900	500	358	1173	310	140	150	4 X 14	460	340
1-N4-M 100/315 - 15	160L	150	125	900	500	380	1195	310	140	150	4 X 14	455	361
1-N4-M 100/315 - 18.5	180M	150	125	900	500	380	1195	310	140	100	4 X 14	455	390
1-N4-M 100/315 - 22	180L	150	125	900	500	380	1195	310	140	100	4 X 14	455	398
1-N4-M 100/315 - 30	200L	150	125	1000	500	380	1195	310	140	100	4 X 14	455	456
1-N4-M 100/400 - 22	180L	150	125	900	600	410	1265	310	140	100	4 X 14	555	449
1-N4-M 100/400 - 30	200L	150	125	1000	600	410	1265	310	140	100	4 X 14	555	507
1-N4-M 100/400 - 37	225S	150	125	1100	600	410	1265	310	140	150	4 X 16	555	564
1-N4-M 100/400 - 45	225M	150	125	1100	600	452	1307	310	140	150	4 X 16	545	607
1-N4-M 125/200 - 7.5	132M	200	150	700	500	358	1208	335	140	150	4 X 12	460	301
1-N4-M 125/200 - 11	160M	200	150	900	500	358	1208	335	140	150	4 X 14	460	336
1-N4-M 125/200 - 15	160L	200	150	900	500	358	1208	335	140	150	4 X 14	460	350
1-N4-M 125/250 - 11	160M	200	150	900	500	358	1248	335	140	150	4 X 14	460	352
1-N4-M 125/250 - 15	160L	200	150	900	500	358	1248	335	140	150	4 X 14	460	366
1-N4-M 125/250 - 18.5	180M	200	150	900	500	380	1270	335	140	100	4 X 14	455	402
1-N4-M 125/250 - 22	180L	200	150	900	500	380	1270	335	140	100	4 X 14	455	410

Main Measurements of Pumping Systems With One N-M Pump



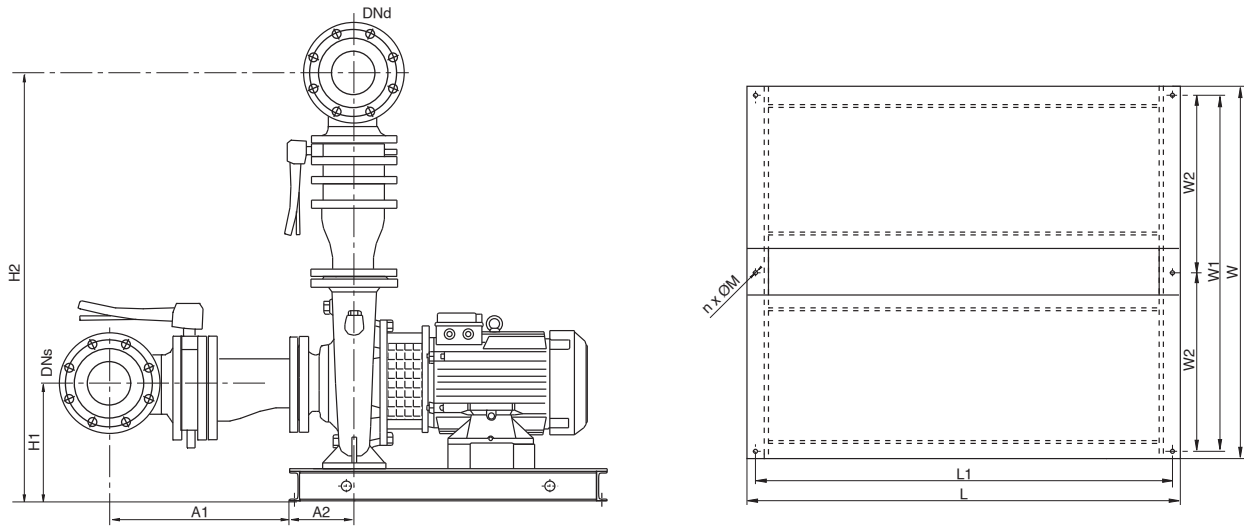
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	Weight [kg]
1-N4-M 125/315 - 15	160L	200	150	900	600	410	1300	335	140	150	4 X 14	555	417
1-N4-M 125/315 - 18.5	180M	200	150	900	600	410	1300	335	140	100	4 X 14	555	446
1-N4-M 125/315 - 22	180L	200	150	900	600	410	1300	335	140	100	4 X 14	555	454
1-N4-M 125/315 - 30	200L	200	150	1000	600	410	1300	335	140	100	4 X 14	555	512
1-N4-M 125/315 - 37	225S	200	150	1100	600	410	1300	335	140	150	4 X 16	555	569
1-N4-M 125/400 - 37	225S	200	150	1100	600	487	1422	335	140	150	4 X 16	545	634
1-N4-M 125/400 - 45	225M	200	150	1100	600	487	1422	335	140	150	4 X 16	545	671
1-N4-M 150/200 - 11	160M	250	200	900	600	410	1385	375	160	150	4 X 14	555	434
1-N4-M 150/200 - 15	160L	250	200	900	600	410	1385	375	160	150	4 X 14	555	448
1-N4-M 150/200 - 18.5	180M	250	200	900	600	410	1385	375	160	100	4 X 14	555	477
1-N4-M 150/250 - 15	160L	250	200	900	600	410	1405	375	160	150	4 X 14	555	478
1-N4-M 150/250 - 18.5	180M	250	200	900	600	410	1405	375	160	100	4 X 14	555	507
1-N4-M 150/250 - 22	180L	250	200	900	600	410	1405	375	160	100	4 X 14	555	515
1-N4-M 150/250 - 30	200L	250	200	1000	600	410	1405	375	160	100	4 X 14	555	573
1-N4-M 150/315 - 22	180L	250	200	900	700	410	1430	375	160	100	4 X 14	655	526
1-N4-M 150/315 - 30	200L	250	200	1000	700	410	1430	375	160	100	4 X 14	655	585
1-N4-M 150/315 - 37	225S	250	200	1100	700	410	1430	375	160	150	4 X 16	655	642
1-N4-M 150/315 - 45	225M	250	200	1100	700	452	1472	375	160	150	4 X 16	645	692
1-N4-M 150/400 - 45	225M	250	200	1100	700	487	1557	375	160	150	4 X 16	645	742

Main Measurements of Pumping Systems With Two N-M Pumps



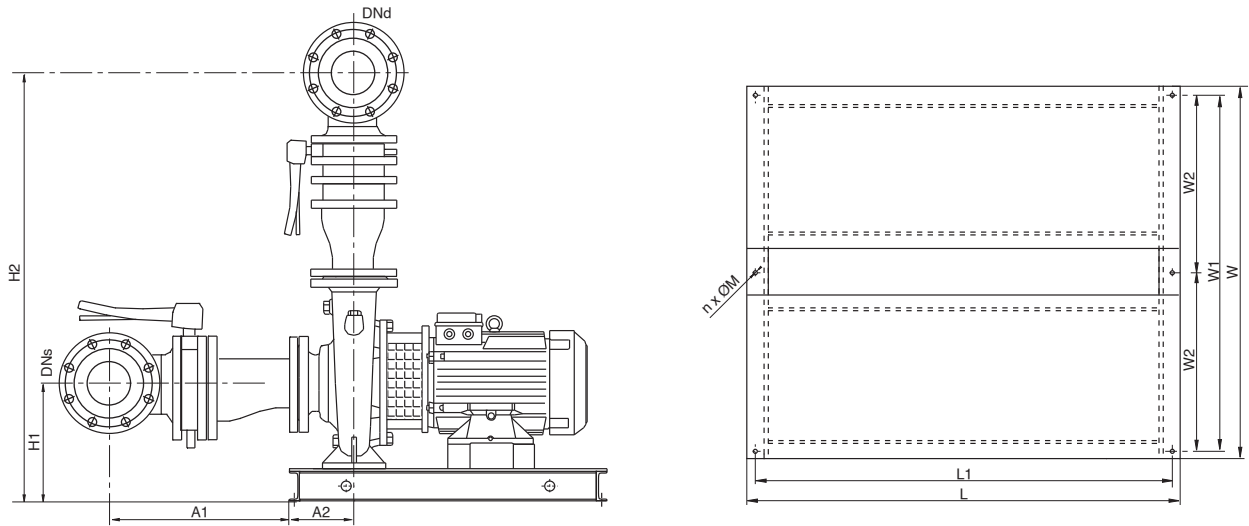
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	W2 [mm]	Weight [kg]
2-N-M 32/125 - 1.1	80M	80	65	600	1000	198	761	330	125	570	6 X 10	970	485	213
2-N-M 32/125 - 1.5	90S	80	65	600	1000	198	761	330	125	570	6 X 10	970	485	219
2-N-M 32/125 - 2.2	90S	80	65	600	1000	198	761	330	125	570	6 X 10	970	485	224
2-N-M 32/125 - 3	100L	80	65	600	1000	198	761	330	125	570	6 X 10	970	485	239
2-N4-M 32/125 - 0.25	71M	80	65	600	1000	198	761	330	125	570	6 X 10	970	485	204
2-N4-M 32/125 - 0.37	71M	80	65	600	1000	198	761	330	125	570	6 X 10	970	485	206
2-N-M 32/160 - 3	100L	80	65	600	1000	218	801	330	125	570	6 X 10	970	485	248
2-N-M 32/160 - 4	112M	80	65	700	1000	218	801	330	125	670	6 X 12	970	485	276
2-N-M 32/160 - 5.5	132S	80	65	700	1000	218	801	330	125	670	6 X 12	970	485	283
2-N-M 32/160 - 7.5	132S	80	65	700	1000	218	801	330	125	670	6 X 12	970	485	294
2-N4-M 32/160 - 0.37	71M	80	65	600	1000	218	801	330	125	570	6 X 10	970	485	215
2-N4-M 32/160 - 0.55	80M	80	65	600	1000	218	801	330	125	570	6 X 10	970	485	219
2-N4-M 32/160 - 0.75	80M	80	65	600	1000	218	801	330	125	570	6 X 10	970	485	222
2-N-M 32/200 - 4	112M	80	65	700	1000	246	849	330	125	670	6 X 12	970	485	291
2-N-M 32/200 - 5.5	132S	80	65	700	1000	246	849	330	125	670	6 X 12	970	485	298
2-N-M 32/200 - 7.5	132S	80	65	700	1000	246	849	330	125	670	6 X 12	970	485	309
2-N-M 32/200 - 11	160M	80	65	900	1000	268	871	325	130	860	6 X 12	960	480	439
2-N4-M 32/200 - 0.55	80M	80	65	600	1000	246	849	330	125	570	6 X 10	970	485	235
2-N4-M 32/200 - 0.75	80M	80	65	600	1000	246	849	330	125	570	6 X 10	970	485	237
2-N4-M 32/200 - 1.1	90S	80	65	600	1000	246	849	330	125	570	6 X 10	970	485	241
2-N-M 32/250 - 7.5	132S	80	65	800	1000	288	936	325	150	760	6 X 12	960	480	349
2-N-M 32/250 - 11	160M	80	65	900	1000	288	936	325	150	860	6 X 12	960	480	461
2-N-M 32/250 - 15	160M	80	65	900	1000	288	936	325	150	860	6 X 12	960	480	461
2-N4-M 32/250 - 1.1	90S	80	65	600	1000	266	914	330	145	570	6 X 10	970	485	269
2-N4-M 32/250 - 1.5	90S	80	65	600	1000	266	914	330	145	570	6 X 10	970	485	273
2-N4-M 32/250 - 2.2	100L	80	65	700	1000	266	914	330	145	670	6 X 12	970	485	298
2-N4-M 32/250 - 3	100L	80	65	700	1000	266	914	330	145	670	6 X 12	970	485	305
2-N-M 40/125 - 2.2	90L	125	100	600	1000	198	815	365	125	570	6 X 10	970	485	248
2-N-M 40/125 - 3/	100L	125	100	600	1000	198	815	365	125	570	6 X 12	970	485	263
2-N-M 40/125 - 4	112M	125	100	700	1000	198	815	365	125	670	6 X 12	970	485	291
2-N-M 40/125 - 5.5	132S	125	100	700	1000	218	835	360	130	660	6 X 12	960	480	298
2-N4-M 40/125 - 0.25	71M	125	100	600	1000	198	815	365	125	570	6 X 10	970	485	228
2-N4-M 40/125 - 0.37	71M	125	100	600	1000	198	815	365	125	570	6 X 10	970	485	230
2-N4-M 40/125 - 0.55	80M	125	100	600	1000	198	815	365	125	570	6 X 10	970	485	235
2-N-M 40/160 - 4	112M	125	100	700	1000	218	855	365	125	670	6 X 12	970	485	293
2-N-M 40/160 - 5.5	132S	125	100	700	1000	218	855	365	125	670	6 X 12	970	485	301
2-N-M 40/160 - 7.5	132S	125	100	700	1000	218	855	365	125	670	6 X 12	970	485	312
2-N-M 40/160 - 11	160M	125	100	900	1000	268	905	360	130	860	6 X 12	960	480	441
2-N4-M 40/160 - 0.55	80M	125	100	600	1000	218	855	365	125	570	6 X 10	970	485	237
2-N4-M 40/160 - 0.75	80M	125	100	600	1000	218	855	365	125	570	6 X 10	970	485	239
2-N4-M 40/160 - 1.1	90S	125	100	600	1000	218	855	365	125	570	6 X 10	970	485	244
2-N-M 40/200 - 7.5	132S	125	100	800	1000	246	903	365	145	770	6 X 12	970	485	337
2-N-M 40/200 - 11	160M	125	100	900	1000	268	925	360	150	860	6 X 12	960	480	459
2-N-M 40/200 - 15	160M	125	100	900	1000	268	925	360	150	860	6 X 12	960	480	474
2-N4-M 40/200 - 0.75	80M	125	100	600	1000	246	903	365	145	570	6 X 10	970	485	262
2-N4-M 40/200 - 1.1	90S	125	100	600	1000	246	903	365	145	570	6 X 10	970	485	266
2-N4-M 40/200 - 1.5	90L	125	100	600	1000	246	903	365	145	570	6 X 10	970	485	271
2-N4-M 40/200 - 2.2	100L	125	100	700	1000	246	903	365	145	670	6 X 12	970	485	296

Main Measurements of Pumping Systems With Two N-M Pumps



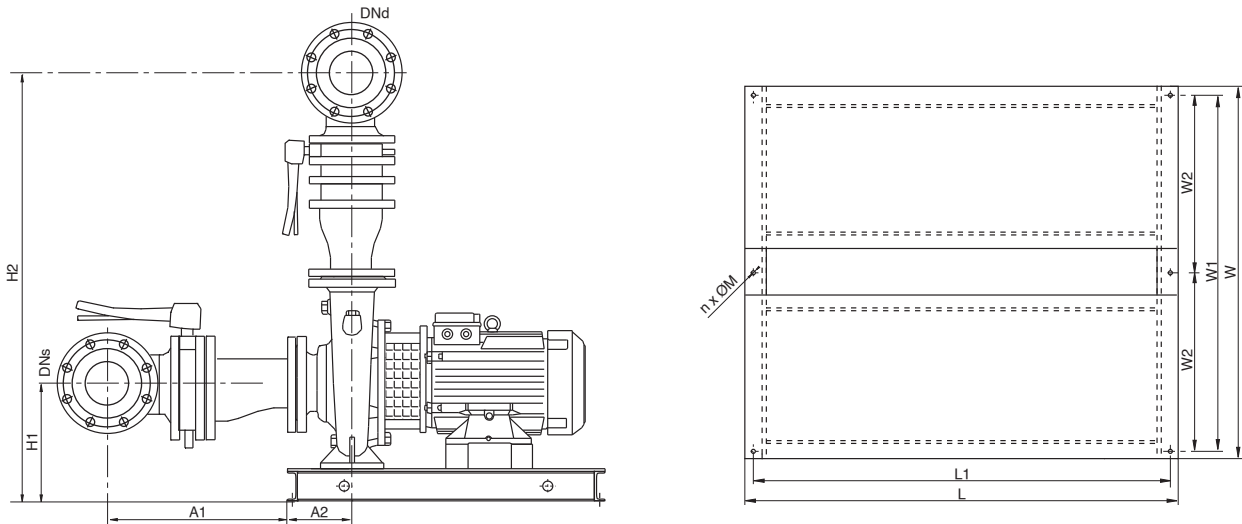
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x M [mm]	W1 [mm]	W2 [mm]	Weight [kg]
2-N-M 40/250 - 11	160M	125	100	900	1000	288	990	360	150	860	6 X 12	960	480	487
2-N-M 40/250 - 15	160M	125	100	900	1000	288	990	360	150	860	6 X 12	960	480	503
2-N-M 40/250 - 18.5	160L	125	100	900	1000	288	990	360	150	860	6 X 14	960	480	536
2-N-M 40/250 - 22	180M	125	100	1000	1500	288	990	360	150	960	6 X 14	1460	730	602
2-N-M 40/250 - 30	200L	125	100	1000	1500	330	1032	410	100	950	6 X 14	1450	725	704
2-N4-M 40/250 - 1.1	90S	125	100	600	1000	266	968	365	145	570	6 X 10	970	485	295
2-N4-M 40/250 - 1.5	90L	125	100	600	1000	266	968	365	145	570	6 X 10	970	485	299
2-N4-M 40/250 - 2.2	100L	125	100	700	1000	266	968	365	145	670	6 X 12	970	485	325
2-N4-M 40/250 - 3	100L	125	100	700	1000	266	968	365	145	670	6 X 12	970	485	331
2-N4-M 40/315 - 2.2	100L	125	100	700	1000	286	1013	365	145	670	6 X 12	970	485	345
2-N4-M 40/315 - 3	100L	125	100	700	1000	286	1013	365	145	670	6 X 12	970	485	351
2-N4-M 40/315 - 4	112M	125	100	700	1000	308	1035	360	150	660	6 X 12	960	480	375
2-N4-M 40/315 - 5.5	132S	125	100	800	1000	308	1035	360	150	760	6 X 12	960	480	406
2-N-M 50/125 - 3	100L	150	125	700	1000	218	893	378	145	670	6 X 12	970	485	277
2-N-M 50/125 - 4	100L	150	125	700	1000	218	893	378	145	670	6 X 12	970	485	298
2-N-M 50/125 - 5.5	132S	150	125	800	1000	218	893	378	145	770	6 X 12	970	485	313
2-N-M 50/125 - 7.5	132S	150	125	800	1000	218	893	378	145	770	6 X 12	970	485	324
2-N4-M 50/125 - 0.37	71M	150	125	600	1000	218	893	378	145	570	6 X 10	970	485	237
2-N4-M 50/125 - 0.55	80M	150	125	600	1000	218	893	378	145	570	6 X 10	970	485	241
2-N4-M 50/125 - 0.75	80M	150	125	600	1000	218	893	378	145	570	6 X 10	970	485	244
2-N-M 50/160 - 5.5	132S	150	125	800	1000	246	941	378	145	770	6 X 12	970	485	320
2-N-M 50/160 - 7.5	132S	150	125	800	1000	246	941	378	145	770	6 X 12	970	485	331
2-N-M 50/160 - 11	160M	150	125	900	1000	268	963	373	150	860	6 X 12	960	480	452
2-N4-M 50/160 - 0.75	80M	150	125	600	1000	246	941	378	145	570	6 X 10	970	485	255
2-N4-M 50/160 - 1.1	90S	150	125	600	1000	246	941	378	145	570	6 X 10	970	485	260
2-N4-M 50/160 - 1.5	90L	150	125	600	1000	246	941	378	145	570	6 X 10	970	485	264
2-N-M 50/200 - 11	160M	150	125	900	1000	268	983	373	150	860	6 X 12	960	480	470
2-N-M 50/200 - 15	160M	150	125	900	1000	268	983	373	150	860	6 X 12	960	480	485
2-N-M 50/200 - 18.5	160L	150	125	900	1000	268	983	373	150	860	6 X 14	960	480	518
2-N-M 50/200 - 22	180M	150	125	1000	1500	288	1003	368	155	955	6 X 14	1455	727.5	585
2-N4-M 50/200 - 1.1	90S	150	125	600	1000	246	961	378	145	570	6 X 10	970	485	277
2-N4-M 50/200 - 1.5	90L	150	125	600	1000	246	961	378	145	570	6 X 10	970	485	282
2-N4-M 50/200 - 2.2	100L	150	125	700	1000	246	961	378	145	670	6 X 12	970	485	307
2-N4-M 50/200 - 3	100L	150	125	700	1000	246	961	378	145	670	6 X 12	970	485	314
2-N-M 50/250 - 18.5	160L	150	125	900	1000	288	1028	373	150	860	6 X 14	960	480	547
2-N-M 50/250 - 22	180M	150	125	1000	1500	288	1028	373	150	960	6 X 14	1460	730	613
2-N-M 50/250 - 30	200L	150	125	1000	1500	330	1070	363	160	950	6 X 14	1450	725	710
2-N-M 50/250 - 37	200L	150	125	1000	1500	330	1070	363	160	950	6 X 14	1450	725	752
2-N4-M 50/250 - 2.2	100L	150	125	800	1000	266	1006	378	145	770	6 X 12	970	485	344
2-N4-M 50/250 - 3	100L	150	125	800	1000	266	1006	378	145	770	6 X 12	970	485	350
2-N4-M 50/250 - 4	112M	150	125	800	1000	288	1028	373	150	760	6 X 12	960	480	375
2-N4-M 50/250 - 5.5	132S	150	125	800	1000	288	1028	373	150	760	6 X 12	960	480	397
2-N4-M 50/315 - 4	112M	150	125	700	1000	333	1128	373	175	660	6 X 12	960	480	434
2-N4-M 50/315 - 5.5	132S	150	125	800	1000	333	1128	373	175	760	6 X 12	960	480	466
2-N4-M 50/315 - 7.5	132M	150	125	800	1000	333	1128	373	175	760	6 X 12	960	480	512
2-N4-M 50/315 - 11	160M	150	125	1000	1000	333	1128	373	175	960	6 X 12	960	480	592

Main Measurements of Pumping Systems With Two N-M Pumps



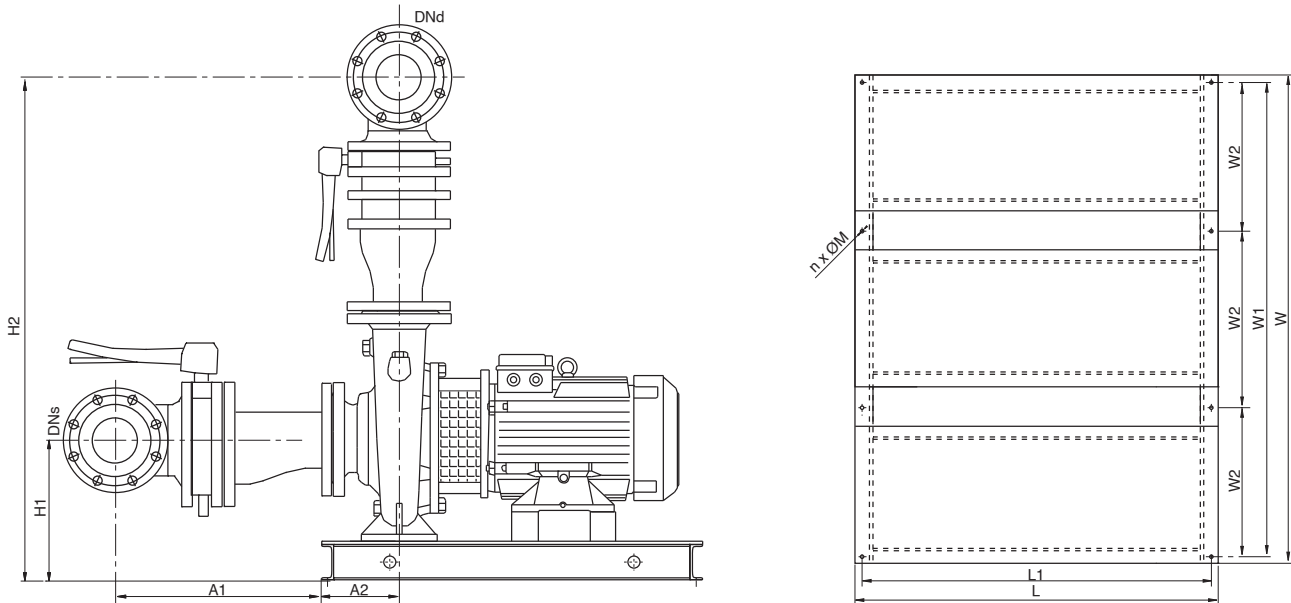
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x M [n x Ømm]	W1 [mm]	W2 [mm]	Weight [kg]
2-N-M 65/125 - 4	112M	200	150	700	1000	246	964	420	145	670	6 X 12	970	485	338
2-N-M 65/125 - 5.5	112M	200	150	800	1000	246	964	420	145	770	6 X 12	970	485	350
2-N-M 65/125 - 7.5	132S	200	150	800	1000	246	964	420	145	770	6 X 12	970	485	361
2-N-M 65/125 - 11	160M	200	150	900	1000	268	986	415	150	860	6 X 12	960	480	483
2-N4-M 65/125 - 0.55	80M	200	150	600	1000	246	964	420	145	570	6 X 10	970	485	284
2-N4-M 65/125 - 0.75	80M	200	150	600	1000	246	964	420	145	570	6 X 10	970	485	286
2-N4-M 65/125 - 1.1	90S	200	150	650	1000	246	964	420	145	620	6 X 10	970	485	295
2-N-M 65/160 - 11	160M	200	150	900	1000	268	1006	415	150	860	6 X 12	960	480	483
2-N-M 65/160 - 15	160M	200	150	900	1000	268	1006	415	150	860	6 X 12	960	480	498
2-N-M 65/160 - 18.5	160L	200	150	900	1000	268	1006	415	150	860	6 X 14	960	480	531
2-N4-M 65/160 - 1.1	90S	200	150	650	1000	246	984	420	145	620	6 X 10	970	485	295
2-N4-M 65/160 - 1.5	90L	200	150	650	1000	246	984	420	145	620	6 X 10	970	485	299
2-N4-M 65/160 - 2.2	100L	200	150	700	1000	246	984	420	145	670	6 X 12	970	485	320
2-N-M 65/200 - 18.5	160L	200	150	900	1000	288	1051	415	150	860	6 X 14	960	480	553
2-N-M 65/200 - 22	180M	200	150	1000	1500	288	1051	415	150	960	6 X 14	1460	730	620
2-N-M 65/200 - 30	200L	200	150	1000	1500	308	1071	410	155	955	6 X 14	1455	727.5	701
2-N4-M 65/200 - 1.5	90L	200	150	650	1000	266	1029	420	145	620	6 X 10	970	485	321
2-N4-M 65/200 - 2.2	100L	200	150	700	1000	266	1029	420	145	670	6 X 12	970	485	342
2-N4-M 65/200 - 3	100L	200	150	700	1000	266	1029	420	145	670	6 X 12	970	485	349
2-N4-M 65/200 - 4	112M	200	150	700	1000	266	1029	420	145	670	6 X 12	970	485	364
2-N-M 65/250 - 22	180M	200	150	1000	1500	308	1096	415	150	960	6 X 14	1460	730	662
2-N-M 65/250 - 30	200L	200	150	1000	1500	330	1118	410	155	955	6 X 14	1455	727.5	759
2-N-M 65/250 - 37	200L	200	150	1000	1500	330	1118	410	155	955	6 X 14	1455	727.5	801
2-N-M 65/250 - 45	225M	200	150	1100	1500	355	1143	410	155	1055	6 X 14	1455	727.5	914
2-N4-M 65/250 - 3	100L	200	150	700	1000	308	1096	415	150	660	6 X 12	960	480	407
2-N4-M 65/250 - 4	112M	200	150	700	1000	308	1096	415	150	660	6 X 12	960	480	423
2-N4-M 65/250 - 5.5	132S	200	150	800	1000	308	1096	415	150	760	6 X 12	960	480	456
2-N4-M 65/250 - 7.5	132M	200	150	800	1000	308	1096	415	150	760	6 X 12	960	480	502
2-N4-M 65/315 - 5.5	132S	200	150	800	1000	333	1151	415	175	760	6 X 12	960	480	456
2-N4-M 65/315 - 7.5	132M	200	150	800	1000	333	1151	415	175	760	6 X 12	960	480	502
2-N4-M 65/315 - 11	160M	200	150	1000	1000	333	1151	415	175	960	6 X 14	960	480	578
2-N4-M 65/315 - 15	160L	200	150	1000	1000	333	1151	415	175	960	6 X 14	960	480	609
2-N-M 80/160 - 11	160M	250	200	1000	1000	288	1113	482	175	960	6 X 12	960	480	528
2-N-M 80/160 - 15	160M	250	200	1000	1000	288	1113	482	175	960	6 X 12	960	480	543
2-N-M 80/160 - 18.5	160L	250	200	1000	1000	288	1113	482	175	960	6 X 14	960	480	583
2-N-M 80/160 - 22	180M	250	200	1000	1500	288	1113	482	175	960	6 X 14	1460	730	633
2-N4-M 80/160 - 1.5	90L	250	200	600	1000	266	1091	487	170	570	6 X 10	970	485	330
2-N4-M 80/160 - 2.2	100L	250	200	700	1000	266	1091	487	170	670	6 X 12	970	485	356
2-N4-M 80/160 - 3	100L	250	200	700	1000	266	1091	487	170	670	6 X 12	970	485	367
2-N-M 80/200 - 22	180M	250	200	1000	1500	288	1138	482	175	960	6 X 14	1460	730	662
2-N-M 80/200 - 30	200L	250	200	1000	1500	330	1180	472	185	950	6 X 14	1450	725	710
2-N-M 80/200 - 37	200L	250	200	1000	1500	330	1180	472	185	950	6 X 14	1450	725	721
2-N-M 80/200 - 45	225M	250	200	1100	1500	355	1205	477	180	1055	6 X 16	1455	727.5	786
2-N4-M 80/200 - 3	100L	250	200	700	1000	288	1138	482	175	660	6 X 12	960	480	412
2-N4-M 80/200 - 4	112M	250	200	700	1000	288	1138	482	175	660	6 X 12	960	480	428
2-N4-M 80/200 - 5.5	132S	250	200	800	1000	288	1138	482	175	760	6 X 12	960	480	459

Main Measurements of Pumping Systems With Two N-M Pumps



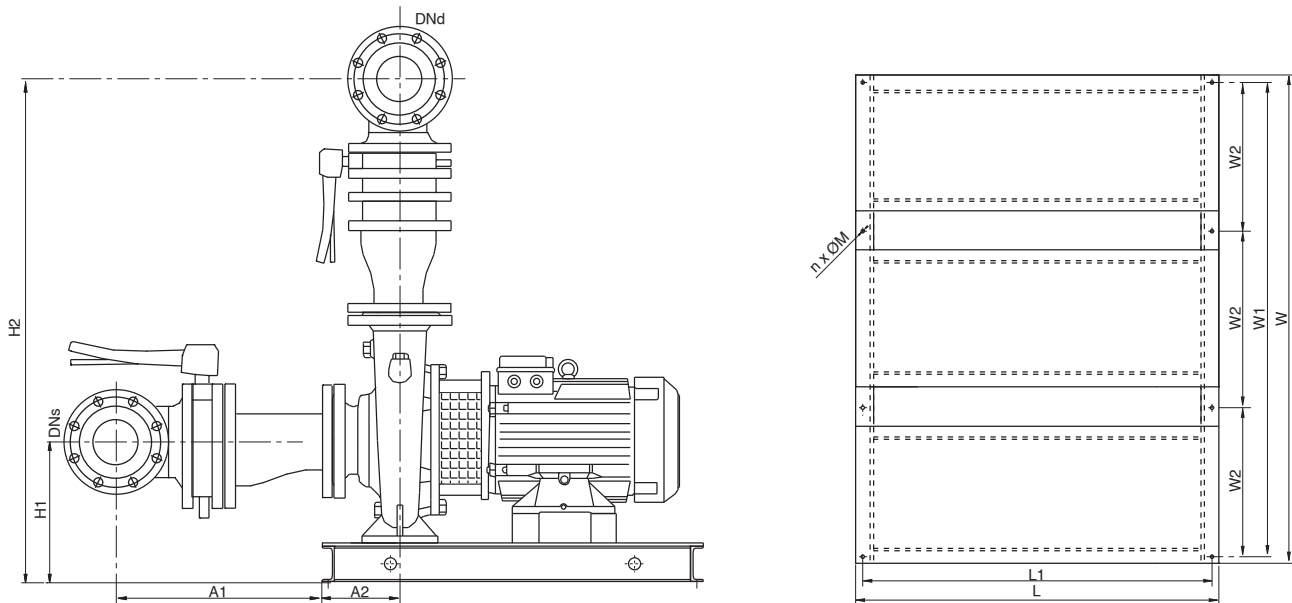
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	W2 [mm]	Weight [kg]
2-N-M 80/250 - 37	200L	250	200	1050	1500	330	1210	477	180	1005	6 X 14	1455	727.5	783
2-N-M 80/250 - 45	225M	250	200	1100	1500	355	1235	477	180	1055	6 X 16	1455	727.5	841
2-N4-M 80/250 - 4	112M	250	200	700	1000	308	1188	482	175	660	6 X 12	960	480	467
2-N4-M 80/250 - 5.5	132S	250	200	800	1000	308	1188	482	175	760	6 X 12	960	480	500
2-N4-M 80/250 - 7.5	132M	250	200	800	1000	308	1188	482	175	760	6 X 12	960	480	546
2-N4-M 80/250 - 11	160M	250	200	1000	1000	308	1188	482	175	960	6 X 12	960	480	622
2-N4-M 80/315 - 7.5	132M	250	200	800	1000	358	1273	482	175	760	6 X 14	960	480	603
2-N4-M 80/315 - 11	160M	250	200	1000	1000	358	1273	482	175	960	6 X 14	960	480	679
2-N4-M 80/315 - 15	160L	250	200	1000	1000	358	1273	482	175	960	6 X 14	960	480	710
2-N4-M 80/315 - 18.5	180M	250	200	1000	1000	380	1295	477	180	955	6 X 14	955	477.5	790
2-N-M 100/160 - 30	200L	300	250	1050	1500	330	1347	517	180	1005	6 X 14	1455	727.5	888
2-N-M 100/160 - 37	200L	300	250	1050	1500	330	1347	517	180	1005	6 X 14	1455	727.5	899
2-N-M 100/160 - 45	225M	300	250	1100	1500	355	1372	517	180	1055	6 X 16	1455	727.5	958
2-N4-M 100/160 - 3	100L	300	250	700	1000	308	1325	522	175	660	6 X 12	960	480	487
2-N4-M 100/160 - 4	112M	300	250	700	1000	308	1325	522	175	660	6 X 12	960	480	502
2-N4-M 100/160 - 5.5	132S	300	250	800	1000	308	1325	522	175	760	6 X 12	960	480	535
2-N-M 100/200 - 30	200L	300	250	1050	1500	330	1347	517	180	1005	6 X 14	1455	727.5	921
2-N-M 100/200 - 37	200L	300	250	1050	1500	330	1347	517	180	1005	6 X 14	1455	727.5	932
2-N-M 100/200 - 45	225M	300	250	1100	1500	355	1372	517	180	1055	6 X 16	1455	727.5	980
2-N4-M 100/200 - 3	100L	300	250	700	1000	308	1325	522	175	660	6 X 12	960	480	504
2-N4-M 100/200 - 4	112M	300	250	700	1000	308	1325	522	175	660	6 X 12	960	480	520
2-N4-M 100/200 - 5.5	132S	300	250	800	1000	308	1325	522	175	760	6 X 12	960	480	552
2-N4-M 100/200 - 7.5	132M	300	250	800	1000	308	1325	522	175	760	6 X 12	960	480	599
2-N-M 100/250 - 45	225M	300	250	1150	1500	355	1372	517	195	1105	6 X 16	1455	727.5	1,075
2-N4-M 100/250 - 5.5	132S	300	250	800	1000	333	1350	522	190	760	6 X 12	960	480	572
2-N4-M 100/250 - 7.5	132M	300	250	800	1000	333	1350	522	190	760	6 X 12	960	480	618
2-N4-M 100/250 - 11	160M	300	250	1000	1000	333	1350	522	190	960	6 X 14	960	480	695
2-N4-M 100/250 - 15	160L	300	250	1000	1000	333	1350	522	190	960	6 X 14	960	480	726
2-N4-M 100/315 - 11	160M	300	250	1000	1000	358	1410	522	190	960	6 X 14	960	480	748
2-N4-M 100/315 - 15	160L	300	250	1000	1000	380	1432	517	195	955	6 X 14	955	477.5	794
2-N4-M 100/315 - 18.5	180M	300	250	1000	1000	380	1432	517	195	955	6 X 14	955	477.5	858
2-N4-M 100/315 - 22	180L	300	250	1000	1500	380	1432	517	195	955	6 X 14	1455	727.5	875
2-N4-M 100/315 - 30	200L	300	250	1100	1500	380	1432	517	195	1055	6 X 14	1455	727.5	1,002
2-N4-M 100/400 - 22	180L	300	250	1000	1500	410	1502	517	195	955	6 X 14	1455	727.5	988
2-N4-M 100/400 - 30	200L	300	250	1100	1500	410	1502	517	195	1055	6 X 14	1455	727.5	1,116
2-N4-M 100/400 - 37	225S	300	250	1200	1500	410	1502	517	195	1155	6 X 16	1455	727.5	1,240
2-N4-M 100/400 - 45	225M	300	250	1200	1500	452	1544	507	205	1145	6 X 16	1445	722.5	1,336
2-N4-M 125/200 - 7.5	132M	300	250	800	1000	358	1445	547	190	760	6 X 12	960	480	662
2-N4-M 125/200 - 11	160M	300	250	1000	1000	358	1445	547	190	960	6 X 14	960	480	739
2-N4-M 125/200 - 15	160L	300	250	1000	1000	358	1445	547	190	960	6 X 14	960	480	770
2-N4-M 125/250 - 11	160M	300	250	1000	1000	358	1485	547	190	960	6 X 14	960	480	774
2-N4-M 125/250 - 15	160L	300	250	1000	1000	358	1485	547	190	960	6 X 14	960	480	805
2-N4-M 125/250 - 18.5	180M	300	250	1000	1000	380	1507	542	195	955	6 X 14	955	477.5	884
2-N4-M 125/250 - 22	180L	300	250	1000	1500	380	1507	542	195	955	6 X 14	1455	727.5	902
2-N4-M 125/315 - 15	160L	300	250	1000	1000	410	1537	542	195	955	6 X 14	955	477.5	917
2-N4-M 125/315 - 18.5	180M	300	250	1000	1000	410	1537	542	195	955	6 X 14	955	477.5	981
2-N4-M 125/315 - 22	180L	300	250	1000	1500	410	1537	542	195	955	6 X 14	1455	727.5	999
2-N4-M 125/315 - 30	200L	300	250	1100	1500	410	1537	542	195	1055	6 X 14	1455	727.5	1,127
2-N4-M 125/315 - 37	225S	300	250	1200	1500	410	1537	542	195	1155	6 X 16	1455	727.5	1,251
2-N4-M 125/400 - 37	225S	300	250	1200	1500	487	1659	532	205	1145	6 X 16	1445	722.5	1,395
2-N4-M 125/400 - 45	225M	300	250	1200	1500	487	1659	532	205	1145	6 X 16	1445	722.5	1,477

Main Measurements of Pumping Systems With Three N-M Pumps



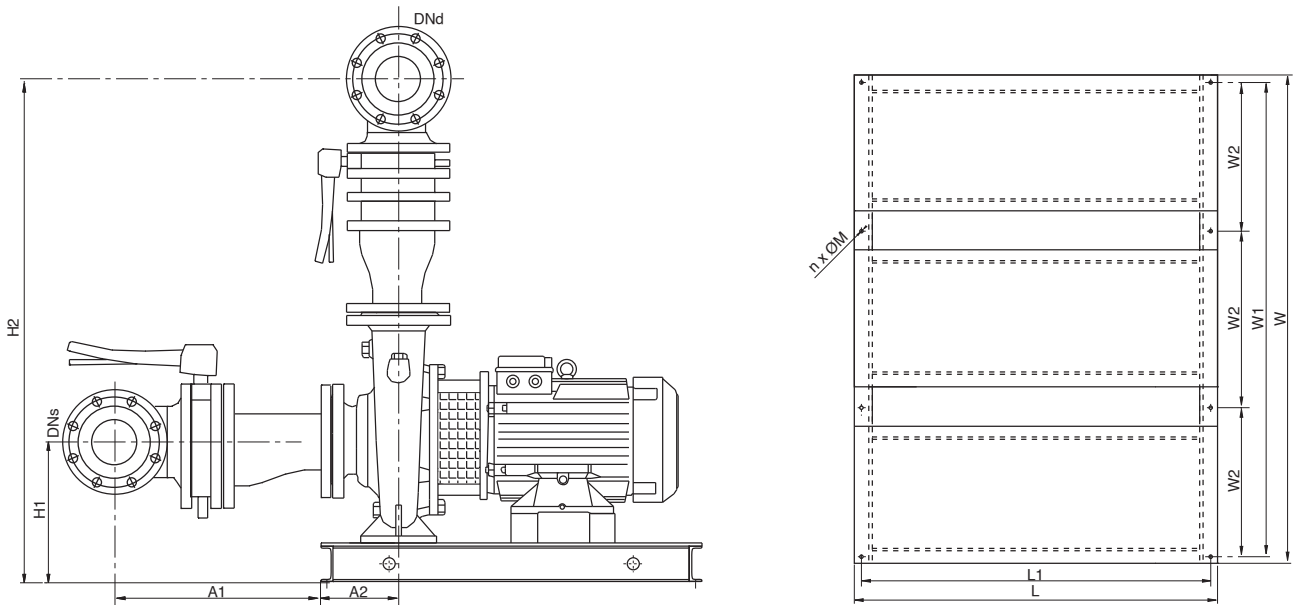
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	W2 [mm]	Weight [kg]
3-N-M 32/125 - 1.1	80M	100	80	600	1500	198	761	330	125	570	8 X 10	1470	490	362
3-N-M 32/125 - 1.5	90S	100	80	600	1500	198	761	330	125	570	8 X 10	1470	490	373
3-N-M 32/125 - 2.2	90S	100	80	600	1500	198	761	330	125	570	8 X 10	1470	490	380
3-N-M 32/125 - 3	100L	100	80	600	1500	198	761	330	125	570	8 X 10	1470	490	407
3-N4-M 32/125 - 0.25	71M	100	80	600	1500	198	761	330	125	570	8 X 10	1470	490	347
3-N4-M 32/125 - 0.37	71M	100	80	600	1500	198	761	330	125	570	8 X 10	1470	490	350
3-N-M 32/160 - 3	100L	100	80	600	1500	218	801	330	125	570	8 X 10	1470	490	422
3-N-M 32/160 - 4	112M	100	80	700	1500	218	801	330	125	670	8 X 12	1470	490	468
3-N-M 32/160 - 5.5	132S	100	80	700	1500	218	801	330	125	670	8 X 12	1470	490	481
3-N-M 32/160 - 7.5	132S	100	80	700	1500	218	801	330	125	670	8 X 12	1470	490	500
3-N4-M 32/160 - 0.37	71M	100	80	600	1500	218	801	330	125	570	8 X 10	1470	490	365
3-N4-M 32/160 - 0.55	80M	100	80	600	1500	218	801	330	125	570	8 X 10	1470	490	373
3-N4-M 32/160 - 0.75	80M	100	80	600	1500	218	801	330	125	570	8 X 10	1470	490	377
3-N-M 32/200 - 4	112M	100	80	700	1500	246	849	330	125	670	8 X 12	1470	490	495
3-N-M 32/200 - 5.5	132S	100	80	700	1500	246	849	330	125	670	8 X 12	1470	490	507
3-N-M 32/200 - 7.5	132S	100	80	700	1500	246	849	330	125	670	8 X 12	1470	490	526
3-N-M 32/200 - 11	160M	100	80	900	1500	268	871	325	130	860	8 X 12	1460	487	746
3-N4-M 32/200 - 0.55	80M	100	80	600	1500	246	849	330	125	570	8 X 10	1470	490	399
3-N4-M 32/200 - 0.75	80M	100	80	600	1500	246	849	330	125	570	8 X 10	1470	490	403
3-N4-M 32/200 - 1.1	90S	100	80	600	1500	246	849	330	125	570	8 X 10	1470	490	410
3-N-M 32/250 - 7.5	132S	100	80	800	1500	288	936	325	150	760	8 X 12	1460	487	593
3-N-M 32/250 - 11	160M	100	80	900	1500	288	936	325	150	860	8 X 12	1460	487	783
3-N-M 32/250 - 15	160M	100	80	900	1500	288	936	325	150	860	8 X 12	1460	487	783
3-N4-M 32/250 - 1.1	90S	100	80	600	1500	266	914	330	145	570	8 X 10	1470	490	457
3-N4-M 32/250 - 1.5	90S	100	80	600	1500	266	914	330	145	570	8 X 10	1470	490	464
3-N4-M 32/250 - 2.2	100L	100	80	700	1500	266	914	330	145	670	8 X 12	1470	490	507
3-N4-M 32/250 - 3	100L	100	80	700	1500	266	914	330	145	670	8 X 12	1470	490	519
3-N-M 40/125 - 2.2	90L	150	125	600	1500	198	815	365	125	570	8 X 10	1470	490	422
3-N-M 40/125 - 3	100L	150	125	600	1500	198	815	365	125	570	8 X 12	1470	490	448
3-N-M 40/125 - 4	112M	150	125	700	1500	198	815	365	125	670	8 X 12	1470	490	495
3-N-M 40/125 - 5.5	132S	150	125	700	1500	218	835	360	130	660	8 X 12	1460	487	507
3-N4-M 40/125 - 0.25	71M	150	125	600	1500	198	815	365	125	570	8 X 10	1470	490	388
3-N4-M 40/125 - 0.37	71M	150	125	600	1500	198	815	365	125	570	8 X 10	1470	490	392
3-N4-M 40/125 - 0.55	80M	150	125	600	1500	198	815	365	125	570	8 X 10	1470	490	399
3-N-M 40/160 - 4	112M	150	125	700	1500	218	855	365	125	670	8 X 12	1470	490	498
3-N-M 40/160 - 5.5	132S	150	125	700	1500	218	855	365	125	670	8 X 12	1470	490	511
3-N-M 40/160 - 7.5	132S	150	125	700	1500	218	855	365	125	670	8 X 12	1470	490	530
3-N-M 40/160 - 11	160M	150	125	900	1500	268	905	360	130	860	8 X 12	1460	487	750
3-N4-M 40/160 - 0.55	80M	150	125	600	1500	218	855	365	125	570	8 X 10	1470	490	403
3-N4-M 40/160 - 0.75	80M	150	125	600	1500	218	855	365	125	570	8 X 10	1470	490	407
3-N4-M 40/160 - 1.1	90S	150	125	600	1500	218	855	365	125	570	8 X 10	1470	490	414

Main Measurements of Pumping Systems With Three N-M Pumps



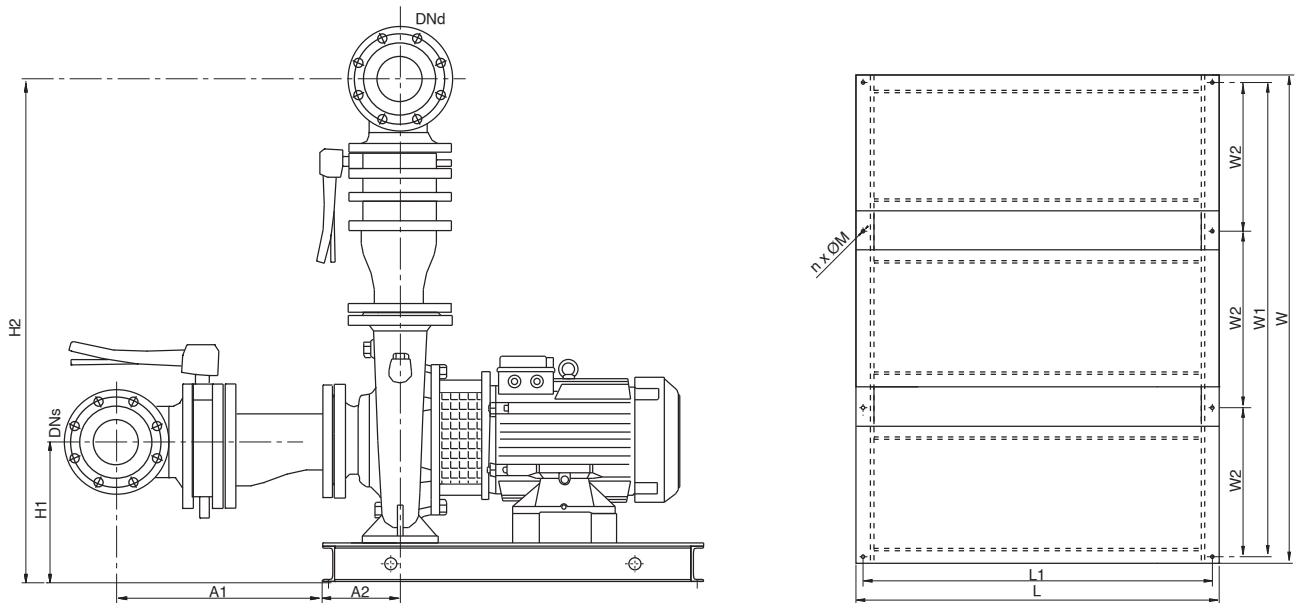
Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	W2 [mm]	Weight [kg]
3-N-M 40/200 - 7.5	132S	150	125	800	1500	246	903	365	145	770	8 X 12	1470	490	573
3-N-M 40/200 - 11	160M	150	125	900	1500	268	925	360	150	860	8 X 12	1460	487	780
3-N-M 40/200 - 15	160M	150	125	900	1500	268	925	360	150	860	8 X 12	1460	487	806
3-N4-M 40/200 - 0.75	80M	150	125	600	1500	246	903	365	145	570	8 X 10	1470	490	445
3-N4-M 40/200 - 1.1	90S	150	125	600	1500	246	903	365	145	570	8 X 10	1470	490	453
3-N4-M 40/200 - 1.5	90L	150	125	600	1500	246	903	365	145	570	8 X 10	1470	490	460
3-N4-M 40/200 - 2.2	100L	150	125	700	1500	246	903	365	145	670	8 X 12	1470	490	504
3-N-M 40/250 - 11	160M	150	125	900	1500	288	990	360	150	860	8 X 12	1460	487	828
3-N-M 40/250 - 15	160M	150	125	900	1500	288	990	360	150	860	8 X 12	1460	487	854
3-N-M 40/250 - 18.5	160L	150	125	900	1500	288	990	360	150	860	8 X 14	1460	487	910
3-N-M 40/250 - 22	180M	150	125	1000	2380	288	990	360	150	960	8 X 14	2340	780	1024
3-N-M 40/250 - 30	200L	150	125	1000	2380	330	1032	410	100	950	8 X 14	2330	777	1196
3-N4-M 40/250 - 1.1	90S	150	125	600	1500	266	968	365	145	570	8 X 10	1470	490	501
3-N4-M 40/250 - 1.5	90L	150	125	600	1500	266	968	365	145	570	8 X 10	1470	490	509
3-N4-M 40/250 - 2.2	100L	150	125	700	1500	266	968	365	145	670	8 X 12	1470	490	552
3-N4-M 40/250 - 3	100L	150	125	700	1500	266	968	365	145	670	8 X 12	1470	490	564
3-N4-M 40/315 - 2.2	100L	150	125	700	1500	286	1013	365	145	670	8 X 12	1470	490	586
3-N4-M 40/315 - 3	100L	150	125	700	1500	286	1013	365	145	670	8 X 12	1470	490	597
3-N4-M 40/315 - 4	112M	150	125	700	1500	308	1035	360	150	660	8 X 12	1460	487	637
3-N4-M 40/315 - 5.5	132S	150	125	800	1500	308	1035	360	150	760	8 X 12	1460	487	691
3-N-M 50/125 - 3	100L	200	150	700	1500	218	893	378	145	670	8 X 12	1470	490	471
3-N-M 50/125 - 4	100L	200	150	700	1500	218	893	378	145	670	8 X 12	1470	490	506
3-N-M 50/125 - 5.5	132S	200	150	800	1500	218	893	378	145	770	8 X 12	1470	490	532
3-N-M 50/125 - 7.5	132S	200	150	800	1500	218	893	378	145	770	8 X 12	1470	490	551
3-N4-M 50/125 - 0.37	71M	200	150	600	1500	218	893	378	145	570	8 X 10	1470	490	403
3-N4-M 50/125 - 0.55	80M	200	150	600	1500	218	893	378	145	570	8 X 10	1470	490	410
3-N4-M 50/125 - 0.75	80M	200	150	600	1500	218	893	378	145	570	8 X 10	1470	490	414
3-N-M 50/160 - 5.5	132S	200	150	800	1500	246	941	378	145	770	8 X 12	1470	490	543
3-N-M 50/160 - 7.5	132S	200	150	800	1500	246	941	378	145	770	8 X 12	1470	490	562
3-N-M 50/160 - 11	160M	200	150	900	1500	268	963	373	150	860	8 X 12	1460	487	768
3-N4-M 50/160 - 0.75	80M	200	150	600	1500	246	941	378	145	570	8 X 10	1470	490	434
3-N4-M 50/160 - 1.1	90S	200	150	600	1500	246	941	378	145	570	8 X 10	1470	490	442
3-N4-M 50/160 - 1.5	90L	200	150	600	1500	246	941	378	145	570	8 X 10	1470	490	449
3-N-M 50/200 - 11	160M	200	150	900	1500	268	983	373	150	860	8 X 12	1460	487	798
3-N-M 50/200 - 15	160M	200	150	900	1500	268	983	373	150	860	8 X 12	1460	487	824
3-N-M 50/200 - 18.5	160L	200	150	900	1500	268	983	373	150	860	8 X 14	1460	487	881
3-N-M 50/200 - 22	180M	200	150	1000	2380	288	1003	368	155	955	8 X 14	2335	778	994
3-N4-M 50/200 - 1.1	90S	200	150	600	1500	246	961	378	145	570	8 X 10	1470	490	471
3-N4-M 50/200 - 1.5	90L	200	150	600	1500	246	961	378	145	570	8 X 10	1470	490	479
3-N4-M 50/200 - 2.2	100L	200	150	700	1500	246	961	378	145	670	8 X 12	1470	490	522
3-N4-M 50/200 - 3	100L	200	150	700	1500	246	961	378	145	670	8 X 12	1470	490	534

Main Measurements of Pumping Systems With Three N-M Pumps



Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x OM	W1 [mm]	W2 [mm]	Weight [kg]
3-N-M 50/250 - 18.5	160L	200	150	900	1500	288	1028	373	150	860	8 X 14	1460	487	929
3-N-M 50/250 - 22	180M	200	150	1000	2380	288	1028	373	150	960	8 X 14	2340	780	1043
3-N-M 50/250 - 30	200L	200	150	1000	2380	330	1070	363	160	950	8 X 14	2330	777	1208
3-N-M 50/250 - 37	200L	200	150	1000	2380	330	1070	363	160	950	8 X 14	2330	777	1279
3-N4-M 50/250 - 2.2	100L	200	150	800	1500	266	1006	378	145	770	8 X 12	1470	490	585
3-N4-M 50/250 - 3	100L	200	150	800	1500	266	1006	378	145	770	8 X 12	1470	490	596
3-N4-M 50/250 - 4	112M	200	150	800	1500	288	1028	373	150	760	8 X 12	1460	487	638
3-N4-M 50/250 - 5.5	132S	200	150	800	1500	288	1028	373	150	760	8 X 12	1460	487	676
3-N-M 50/315 - 4	112M	200	150	700	1500	333	1128	373	175	660	8 X 12	1460	487	738
3-N-M 50/315 - 5.5	132S	200	150	800	1500	333	1128	373	175	760	8 X 12	1460	487	792
3-N-M 50/315 - 7.5	132M	200	150	800	1500	333	1128	373	175	760	8 X 12	1460	487	870
3-N-M 50/315 - 11	160M	200	150	1000	1500	333	1128	373	175	960	8 X 12	1460	487	1006
3-N-M 65/125 - 4	112M	250	200	700	1500	246	964	420	145	670	8 X 12	1470	490	575
3-N-M 65/125 - 5.5	112M	250	200	800	1500	246	964	420	145	770	8 X 12	1470	490	596
3-N-M 65/125 - 7.5	132S	250	200	800	1500	246	964	420	145	770	8 X 12	1470	490	614
3-N-M 65/125 - 11	160M	250	200	900	1500	268	986	415	150	860	8 X 12	1460	487	821
3-N4-M 65/125 - 0.55	80M	250	200	600	1500	246	964	420	145	570	8 X 10	1470	490	483
3-N4-M 65/125 - 0.75	80M	250	200	600	1500	246	964	420	145	570	8 X 10	1470	490	486
3-N4-M 65/125 - 1.1	90S	250	200	650	1500	246	964	420	145	620	8 X 10	1470	490	501
3-N-M 65/160 - 11	160M	250	200	900	1500	268	1006	415	150	860	8 X 12	1460	487	821
3-N-M 65/160 - 15	160M	250	200	900	1500	268	1006	415	150	860	8 X 12	1460	487	847
3-N-M 65/160 - 18.5	160L	250	200	900	1500	268	1006	415	150	860	8 X 14	1460	487	903
3-N4-M 65/160 - 1.1	90S	250	200	650	1500	246	984	420	145	620	8 X 10	1470	490	501
3-N4-M 65/160 - 1.5	90L	250	200	650	1500	246	984	420	145	620	8 X 10	1470	490	508
3-N4-M 65/160 - 2.2	100L	250	200	700	1500	246	984	420	145	670	8 X 12	1470	490	545
3-N-M 65/200 - 18.5	160L	250	200	900	1500	288	1051	415	150	860	8 X 14	1460	487	940
3-N-M 65/200 - 22	180M	250	200	1000	2380	288	1051	415	150	960	8 X 14	2340	780	1054
3-N-M 65/200 - 30	200L	250	200	1000	2380	308	1071	410	155	955	8 X 14	2335	778	1192
3-N4-M 65/200 - 1.5	90L	250	200	650	1500	266	1029	420	145	620	8 X 10	1470	490	546
3-N4-M 65/200 - 2.2	100L	250	200	700	1500	266	1029	420	145	670	8 X 12	1470	490	582
3-N4-M 65/200 - 3	100L	250	200	700	1500	266	1029	420	145	670	8 X 12	1470	490	593
3-N4-M 65/200 - 4	112M	250	200	700	1500	266	1029	420	145	670	8 X 12	1470	490	620
3-N-M 65/250 - 22	180M	250	200	1000	2380	308	1096	415	150	960	8 X 14	2340	780	1125
3-N-M 65/250 - 30	200L	250	200	1000	2380	330	1118	410	155	955	8 X 14	2335	778	1290
3-N-M 65/250 - 37	200L	250	200	1000	2380	330	1118	410	155	955	8 X 14	2335	778	1361
3-N-M 65/250 - 45	225M	250	200	1100	2380	355	1143	410	155	1055	8 X 14	2335	778	1554
3-N4-M 65/250 - 3	100L	250	200	700	1500	308	1096	415	150	660	8 X 12	1460	487	693
3-N4-M 65/250 - 4	112M	250	200	700	1500	308	1096	415	150	660	8 X 12	1460	487	719
3-N4-M 65/250 - 5.5	132S	250	200	800	1500	308	1096	415	150	760	8 X 12	1460	487	774
3-N4-M 65/250 - 7.5	132M	250	200	800	1500	308	1096	415	150	760	8 X 12	1460	487	853

Main Measurements of Pumping Systems With Three N-M Pumps



Pump type	Motor size	DNs [mm]	DNd [mm]	L [mm]	W [mm]	H1 [mm]	H2 [mm]	A1 [mm]	A2 [mm]	L1 [mm]	n x M [nxØmm]	W1 [mm]	W2 [mm]	Weight [kg]
3-N4-M 65/315 - 5.5	132S	250	200	800	1500	333	1151	415	175	760	8 X 12	1460	487	774
3-N4-M 65/315 - 7.5	132M	250	200	800	1500	333	1151	415	175	760	8 X 12	1460	487	853
3-N4-M 65/315 - 11	160M	250	200	1000	1500	333	1151	415	175	960	8 X 14	1460	487	983
3-N4-M 65/315 - 15	160L	250	200	1000	1500	333	1151	415	175	960	8 X 14	1460	487	1035
3-N-M 80/160 - 11	160M	250	250	1000	1500	288	1113	482	175	960	8 X 12	1460	487	898
3-N-M 80/160 - 15	160M	250	250	1000	1500	288	1113	482	175	960	8 X 12	1460	487	924
3-N-M 80/160 - 18.5	160L	250	250	1000	1500	288	1113	482	175	960	8 X 14	1460	487	990
3-N-M 80/160 - 22	180M	250	250	1000	2380	288	1113	482	175	960	8 X 14	2340	780	1076
3-N4-M 80/160 - 1.5	90L	250	250	600	1500	266	1091	487	170	570	8 X 10	1470	490	561
3-N4-M 80/160 - 2.2	100L	250	250	700	1500	266	1091	487	170	670	8 X 12	1470	490	605
3-N4-M 80/160 - 3	100L	250	250	700	1500	266	1091	487	170	670	8 X 12	1470	490	623
3-N-M 80/200 - 22	180M	250	250	1000	2380	288	1138	482	175	960	8 X 14	2340	780	1125
3-N-M 80/200 - 30	200L	250	250	1000	2380	330	1180	472	185	950	8 X 14	2330	777	1208
3-N-M 80/200 - 37	200L	250	250	1000	2380	330	1180	472	185	950	8 X 14	2330	777	1226
3-N-M 80/200 - 45	225M	250	250	1100	2380	355	1205	477	180	1055	8 X 16	2335	778	1337
3-N4-M 80/200 - 3	100L	250	250	700	1500	288	1138	482	175	660	8 X 12	1460	487	701
3-N4-M 80/200 - 4	112M	250	250	700	1500	288	1138	482	175	660	8 X 12	1460	487	727
3-N4-M 80/200 - 5.5	132S	250	250	800	1500	288	1138	482	175	760	8 X 12	1460	487	780
3-N-M 80/250 - 37	200L	250	250	1050	2380	330	1210	477	180	1005	8 X 14	2335	778	1330
3-N-M 80/250 - 45	225M	250	250	1100	2380	355	1235	477	180	1055	8 X 16	2335	778	1430
3-N4-M 80/250 - 4	112M	250	250	700	1500	308	1188	482	175	660	8 X 12	1460	487	794
3-N4-M 80/250 - 5.5	132S	250	250	800	1500	308	1188	482	175	760	8 X 12	1460	487	849
3-N4-M 80/250 - 7.5	132M	250	250	800	1500	308	1188	482	175	760	8 X 12	1460	487	928
3-N4-M 80/250 - 11	160M	250	250	1000	1500	308	1188	482	175	960	8 X 12	1460	487	1058
3-N4-M 80/315 - 7.5	132M	250	250	800	1500	358	1273	482	175	760	8 X 14	1460	487	1025
3-N4-M 80/315 - 11	160M	250	250	1000	1500	358	1273	482	175	960	8 X 14	1460	487	1155
3-N4-M 80/315 - 15	160L	250	250	1000	1500	358	1273	482	175	960	8 X 14	1460	487	1207
3-N4-M 80/315 - 18.5	180M	250	250	1000	1500	380	1295	477	180	955	8 X 14	1455	485	1342