



End Suction Centrifugal Pumps

Made in Turkey



Catalogue 50 Hz

NM Series

End Suction Centrifugal Pumps

General Information

Fields of Application

- Water supply and booster stations.
- Irrigation, overhead irrigation and draining.
- Filling and emptying of tanks and containers.
- Circulating of hot and cold water in central heating and air-conditioning installations.
- Pumping of condensate.
- Water circulating for swimming pools.
- Sanitary and cleaning installations.
- For industrial applications and public services.
- Fresh water supply on ships.

Pumped Liquids

Thin, clean, non-aggressive and non-explosive liquids free from large solid particles or fibres.

For special applications, please consult to Sistema Pumps

Design

- Single-stage, end suction, centrifugal volute pump.
 - Main dimensions according to EN 733.
 - In addition to 25 basic sizes conforming to norms, we have developed 20 additional sizes. So we have 45 sizes of pumps.
 - Single entry, closed impeller is hydraulically thrust compensated and dynamically balanced.
 - Pump and motor are separate components, connected to each other via a flexible coupling and mounted on a common base plate.
 - Maintenance is very much easier, the impeller shaft and other rotating parts being removable with no need to disconnect the suction and delivery pipes.
 - In fact the use of one extension coupling enables a pump to be dismantled without moving either the driver or the pump casing.
- Maximum interchangeability of components, identical parts can be used with various sizes of a pump, which greatly simplifies and reduces stock of spare parts.

Bearings

The pump has sturdy maintenance-free antifriction bearings, which are greased for life with high-temperature grease. A deflector on the shaft prevents leakage fluid from getting into bracket.

Shaft Seal

Pumps are supplied as standard a conventional packet gland, lantern ring for water sealing and lubricating of packing.

- Uncooled stuffing box without shaft sleeve is standard. (Up to 90 °C)
- Uncooled mechanical seal with or without shaft sleeve is optional. (Up To 90 °C)
- Water cooled stuffing box or mechanical seal is optional. (90 – 140 °C)

For a medium different than water, please consult to Sistema Pumps for selection of appropriate O-Ring and Mechanical Seal type.

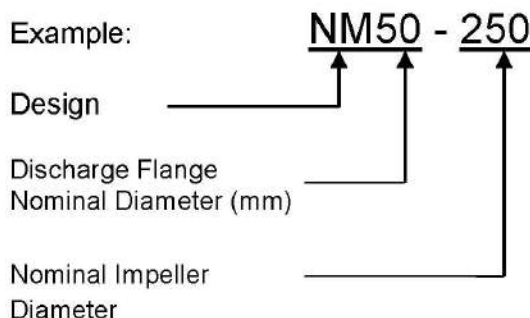
Technical Data

• Suction Flange.....	: DN 50 ...DN 400
• Discharge Flange.....	: DN 32....DN 350
• Operating Pressure.....	: 10 Bar
• Casing Test Pressure.....	: 13 Bar
• Operating Temperature..	: -25 – 130 °C
• Impeller Diameter mm ø..	: 160...500 mm ø
• Speed Range.....	: 1000 – 3600 RPM
• Capacity Range.....	: 5 – 3500 m³ / h
• Head Range.....	: 4 - 105 m

Pump Flanges

- Discharge Flanges : DIN 2533 – PN 16
- Suction Flanges : 32-200 DIN 2533 PN 16
250, 350, 400DIN 2532 PN 10

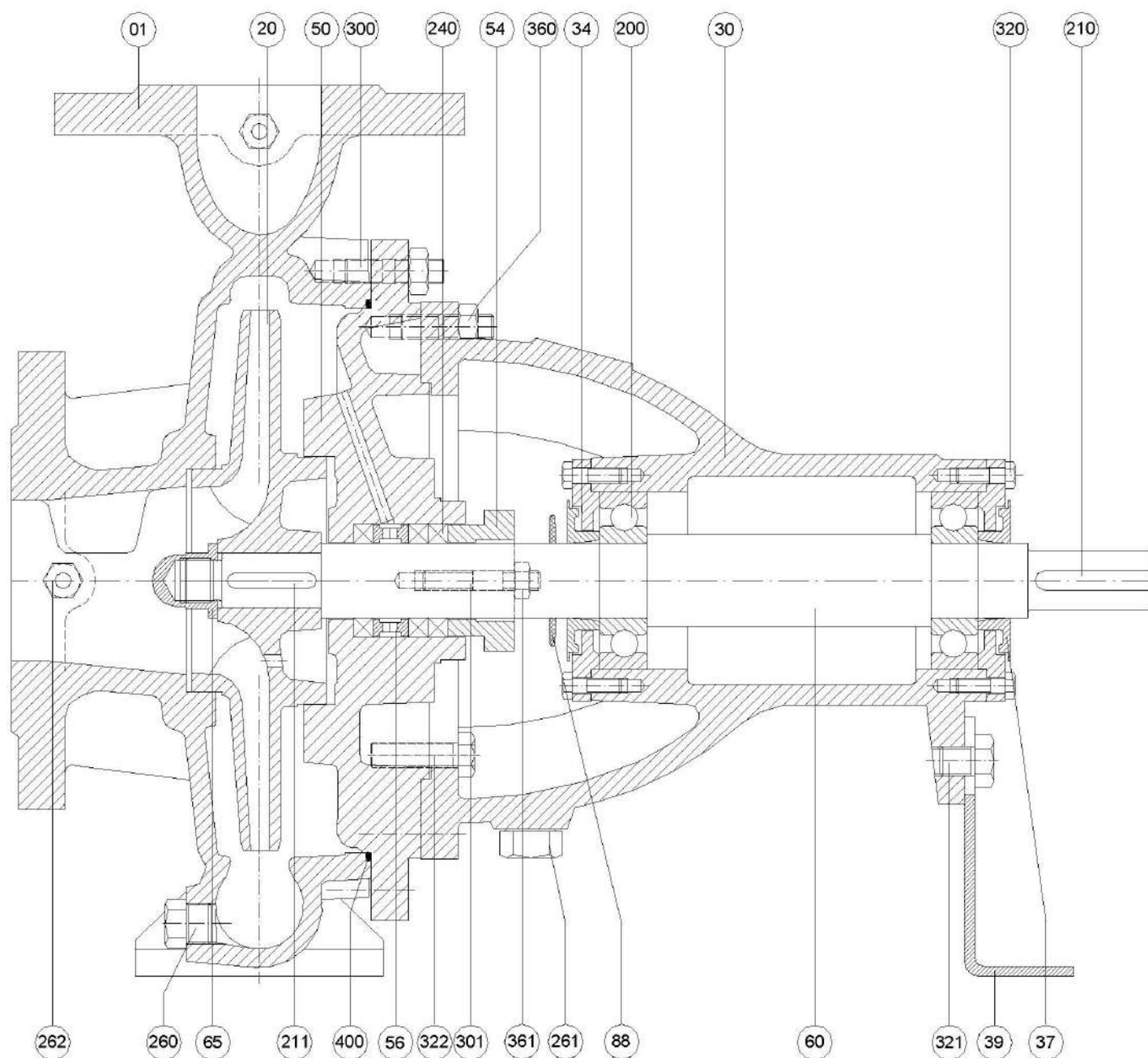
Identification Code



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End Suction Centrifugal Pumps

Cross-Sectional View of End Suction Centrifugal Pump (Group A, B, C, D)

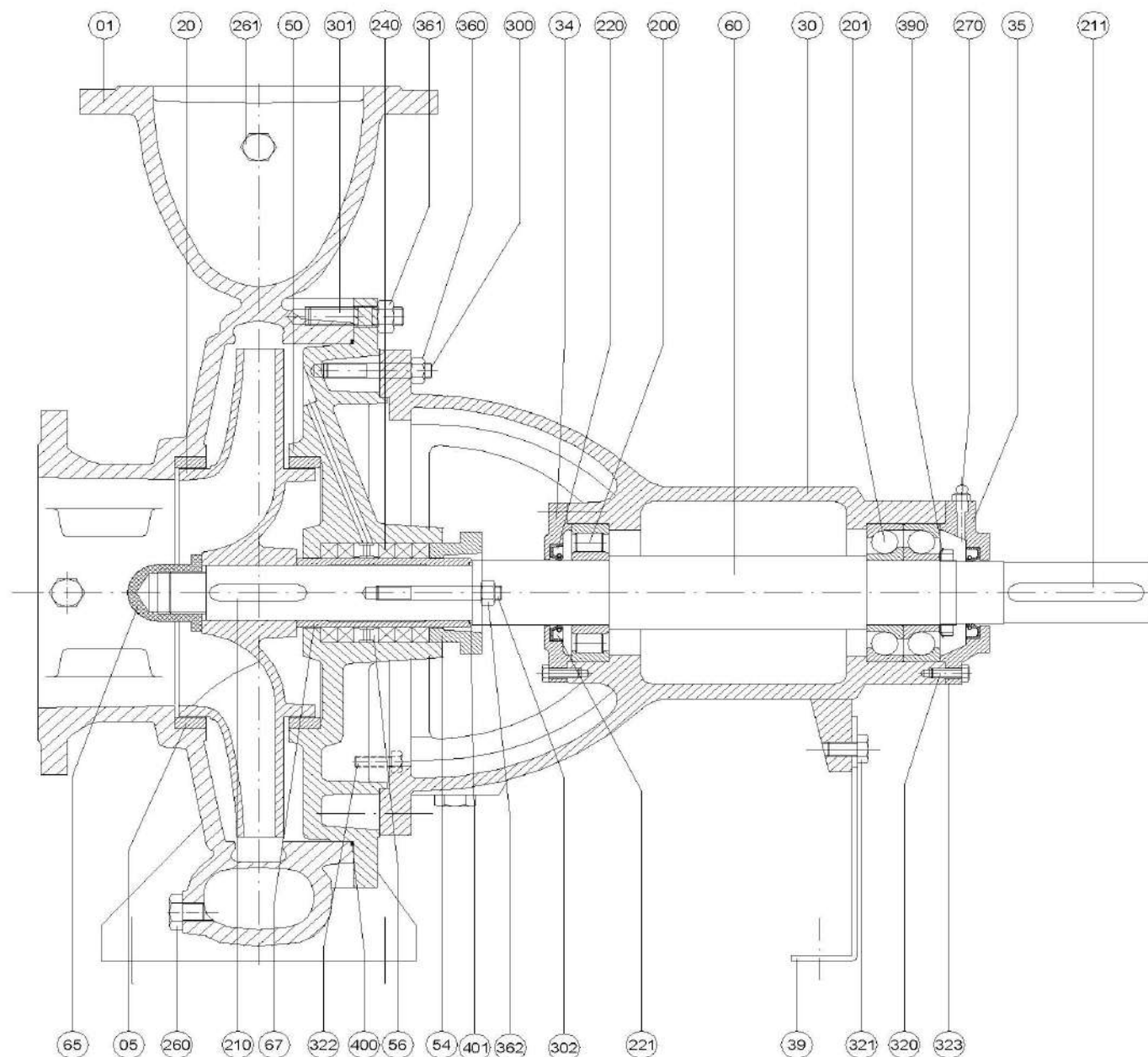


PART NO	PART NAME	PART NO	PART NAME
01	Pump Casing	211	Impeller Key
20	Impeller	240	Gland Packing
30	Bearing Housing	260	Drain Plug
34	Bearing Housing Cover	261	Plug
37	Lip Seal	262	Plug
39	Supporting Part	300	Stud
50	Stuffing Box	301	Stud for Gland
54	Gland	320	Hexagonal Bolt
56	Lantern Ring	321	Hexagonal Bolt
60	Pump Shaft	322	Hexagonal Bolt
65	Impeller Nut	360	Hexagonal Nut
88	Water Thrower	361	Hexagonal Nut for Gland
200	Ball Bearing	400	O-Ring
210	Coupling Key		

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End Suction Centrifugal Pumps

Cross-Sectional View of End Suction Centrifugal Pump (Group E)

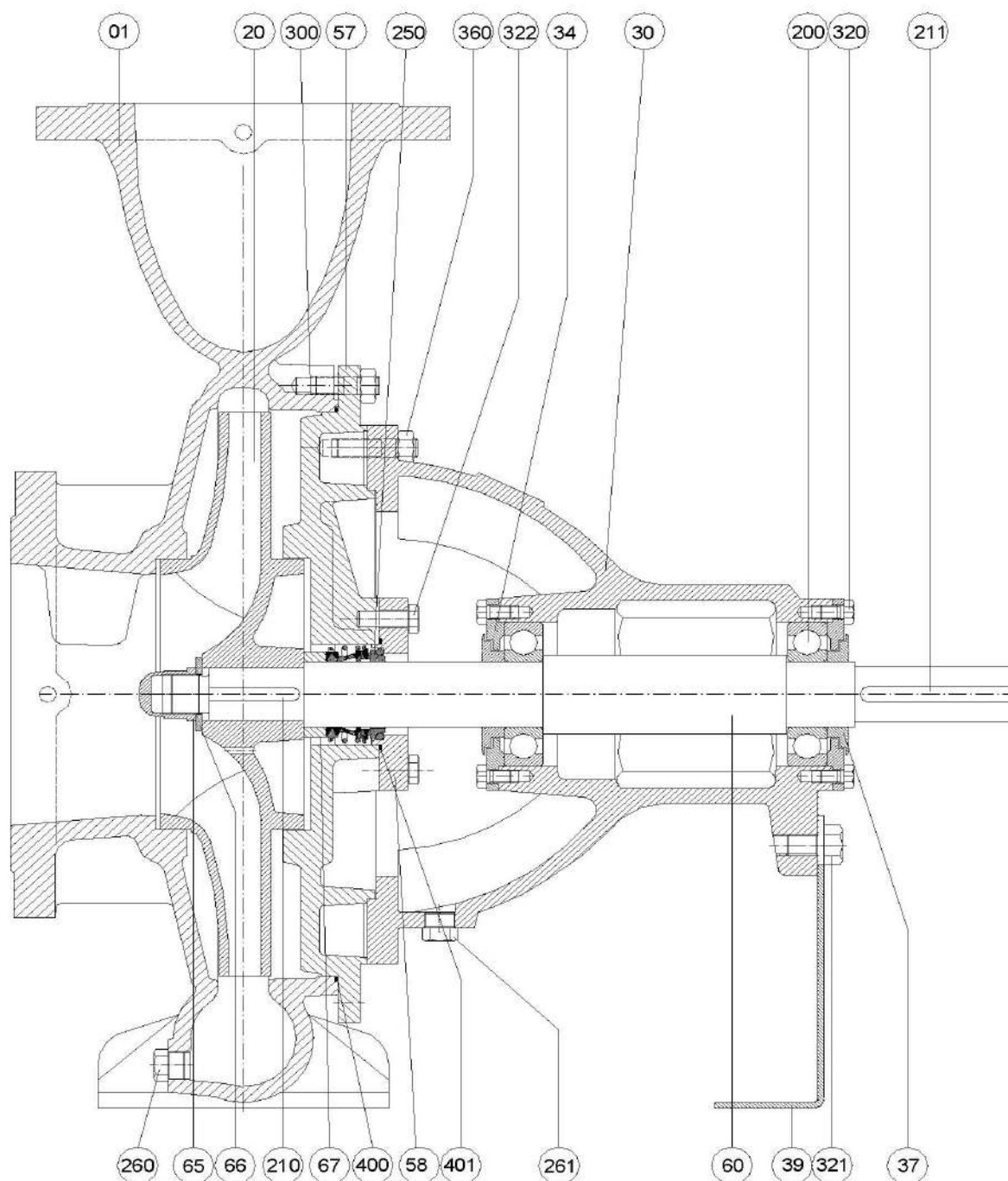


PART NO	PART NAME	PART NO	PART NAME
01	Pump Casing	221	Oil Seal
05	Wearing Ring	240	Gland Packing
20	Impeller	260	Drain Plug
30	Bearing Housing	261	Plug
34	Bearing Housing Cover	270	Greaser
35	Bearing Cover (Outside)	300	Stud
39	Supporting Foot	301	Stud
50	Stuffing Box	301	Stud for Gland
54	Gland	320	Hexagonal Bolt
56	Lantern Ring	321	Hexagonal Bolt
60	Pump Shaft	322	Hexagonal Bolt
65	Impeller Nut	323	Hexagonal Bolt
67	Sealing Sleeve	360	Hexagonal Nut
200	Bearing	361	Hexagonal Nut
201	Bearing	362	Nut for Gland
210	Impeller Key	390	Safety Ring

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End Suction Centrifugal Pumps

Cross-Sectional View of End Suction Centrifugal Pump (With Mechanical Seal)



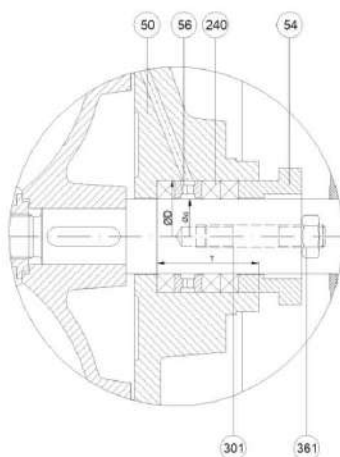
PART NO	PART NAME	PART NO	PART NAME
01	Pump Casing	210	Impeller Key
20	Impeller	211	Coupling Key
30	Bearing Housing	250	Mechanical Seal
34	Bearing Housing Cover	260	Drain Plug
39	Supporting Foot	261	Plug
37	Bearing Cover	300	Stud
57	Stuffing Box	320	Hexagonal Bolt
58	Mech. Seal Cover	321	Hexagonal Bolt
60	Pump Shaft	322	Hexagonal Bolt
65	Impeller Nut	360	Hexagonal Nut
66	Ring	400	O-Ring
67	Mech. Seal Front Ring	401	O-Ring
200	Ball Bearing		

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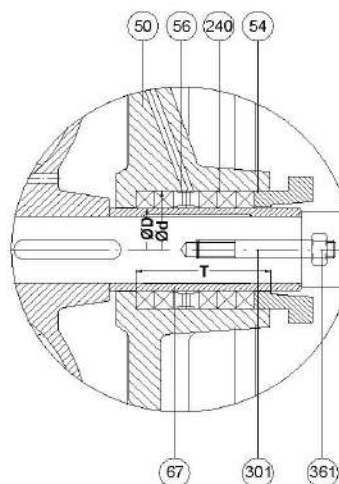
End Suction Centrifugal Pumps

Bearings, Stuffing-Box, Mechanical Seal

Group	Bearing System	Stuffing Box			Mechanical Seal Diameter	Pump Size
	Type of Bearing	Shaft $\varnothing d_1$	Packing Ring Size $\varnothing D \times \varnothing d \times T$	Quantity		
A	2 x 6306 2RS-C3	$\varnothing 30$	$\varnothing 46 \times \varnothing 30 \times 45$	3 Soft Packing + 1 Lantern Ring	$\varnothing 30$	32–160, 40–160, 50–160, 65–160, 80–160, 100–160, 32–200, 40–200, 50–200, 65–200, 32–250, 40–250, 50–250
B	2 x 6308 2RS-C3	$\varnothing 40$	$\varnothing 60 \times \varnothing 40 \times 55,5$	3 Soft Packing + 1 Lantern Ring	$\varnothing 40$	80–200, 100–200, 125–200, 150–200, 65–250, 80–250, 100–250, 125–250, 150–250, 50–315, 65–315, 80–315, 100–315, 65–400
C	2 x 6310 2RS-C3	$\varnothing 50$	$\varnothing 70 \times \varnothing 50 \times 55$	3 Soft Packing + 1 Lantern Ring	$\varnothing 50$	200–280, 125–315, 150–315, 200–315, 80–400, 100–400, 125–400, 150–400
D	2 x 6312 2RS-C3	$\varnothing 60$	$\varnothing 85 \times \varnothing 60 \times 82$	3 Soft Packing + 1 Lantern Ring	$\varnothing 60$	250–315, 200–400, 150–500, 300, 315
E	NU 314 2 x 7314	$\varnothing 75$	$\varnothing 107,5 \times \varnothing 75 \times 115,5$	5 Soft Packing + 1 Lantern Ring	$\varnothing 75$	250–400, 300–400, 200–500, 250–500, 350–450



Stuffing Box Detail for Group A, B, C, D	
Part No	Part Name
50	Stuffing Box
54	Glen
56	Lantern Ring
240	Gland
301	Stud for Gland
361	Nut for Gland



Stuffing Box Detail for Group E	
Part No	Part Name
50	Stuffing Box
54	Glen
56	Lantern Ring
67	Seal Sleeve
240	Gland
301	Stud for Gland
361	Nut for Gland

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End Suction Centrifugal Pumps

Mechanical Seal Applications

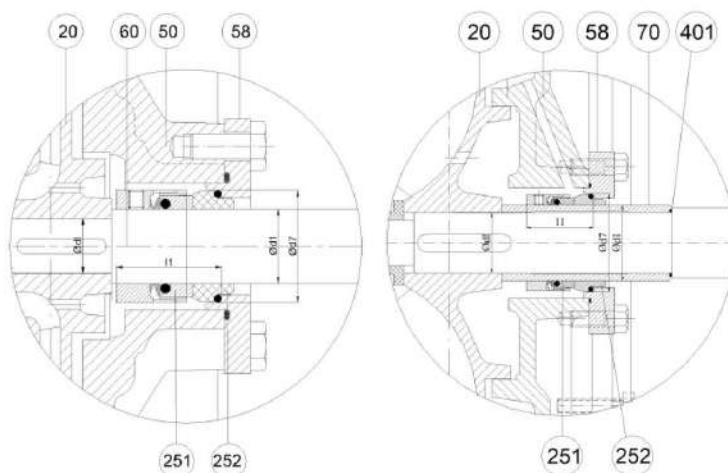
BURGMAN M7N-M74N-M78N

- Single Seal
- Unbalanced
- Independent of direction of rotation
- To EN 12756

p ₁	: 16 Bar
t	: -50...220 °C
V _g	: 20 m/s

Axial Movement

d ₁ ≤ 25	: ±1,0 mm
28 ≤ d ₁ ≤ 63	: ±1,5 mm
D ₁ ≥ 65	: ± 2,0 mm



Part No	Part Name for A, B, C, D
20	Impeller
50	Mechanical Seal Box
58	Mechanical Seal Box Cover
251	Rotating Part of Mechanical Seal
252	Stationary Part of Mechanical Seal

Part No	Part Name for E
20	Impeller
50	Mechanical Seal Box
58	Mechanical Seal Box Cover
70	Seal Sleeve
251	Rotating Part of Mechanical Seal
252	Rotating Part of Mechanical Seal
401	Seal Sleeve O-Ring

Group	Pump Size	Ø d ₁	Ø d ₇	Ø d _l	l ₁ =l _{1k}
A	32-160, 40-160, 50-160, 65-160, 80-160, 100-160, 32-200, 40-200, 50-200, 65-200, 32-250, 40-250, 50-250	Ø 30	Ø 45	Ø 22	42,5
B	80-200, 100-200, 125-200, 150-200, 65-250, 80-250, 100-250, 125-250, 150-250, 50-315, 65-315, 80-315, 100-315, 65-400	Ø 40	Ø 58	Ø 30	45
C	200-280, 125-315, 150-315, 200-315, 80-400, 100-400, 125-400, 150-400	Ø 50	Ø 70	Ø 40	47,5
D	250-315, 200-400, 150-500, 300-315	Ø 60	Ø 80	Ø 50	52,5
E	250-400, 300-400, 200-500, 250-500, 350-450	Ø 75	Ø 97	Ø 60	60

BURGMAN M3N-M32N-M37N-M37GN

NM Series

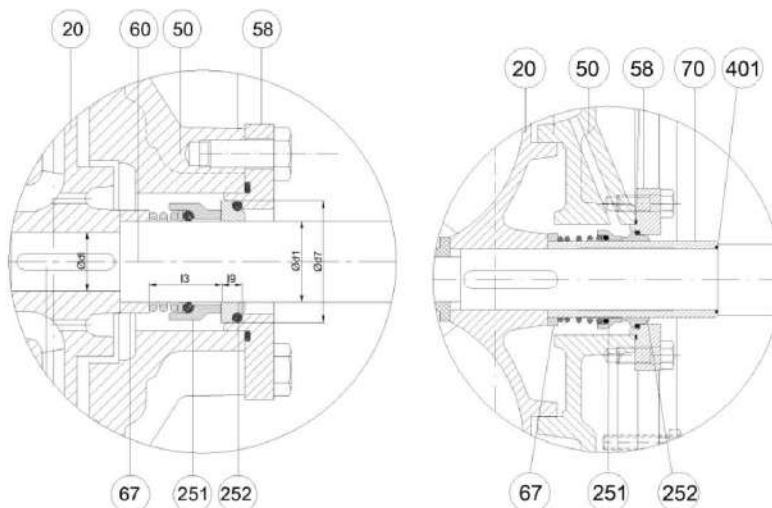
End Suction Centrifugal Pumps

Mechanical Seal Applications

BURGMAN M3N-M32N-M37N-M37GN

- Single Seal
- Unbalanced
- Conical Spring
- Dependent on direction of rotation
- To EN 12756

p ₁	: 10 Bar
t	: -20...180 °C
V _g	: 10 m/s
Axial Movement	: ±1,0 mm



Part No	Part Name for A, B, C, D
20	Impeller
50	Mechanical Seal Box
58	Mechanical Seal Box Cover
67	Adjusting Ring
251	Rotating Part of Mechanical Seal
252	Stationary Part of Mechanical Seal

Part No	Part Name for E
20	Impeller
50	Mechanical Seal Box
58	Mechanical Seal Box Cover
67	Adjusting Ring
70	Seal Sleeve
251	Rotating Part of Mechanical Seal
252	Rotating Part of Mechanical Seal
401	Seal Sleeve O-Ring

Group	Pump Size	Ø d1	Ø d7	Ø dI	I3	I9
A	32-160, 40-160, 50-160, 65-160, 80-160, 100-160, 32-200, 40-200, 50-200, 65-200, 32-250, 40-250, 50-250	Ø 30	Ø 45	Ø 22	26,5	11,5
B	80-200, 100-200, 125-200, 150-200, 65-250, 80-250, 100-250, 125-250, 150-250, 50-315, 65-315, 80-315, 100-315, 65-400	Ø 40	Ø 58	Ø 30	36	14
C	200-280, 125-315, 150-315, 200-315, 80-400, 100-400, 125-400, 150-400	Ø 50	Ø 70	Ø 40	47,5	47,5
D	250-315, 200-400, 150-500, 300-315	Ø 60	Ø 80	Ø 50	45	15
E	250-400, 300-400, 200-500, 250-500, 350-450	Ø 75	Ø 97	Ø 60	62	18

NM Series

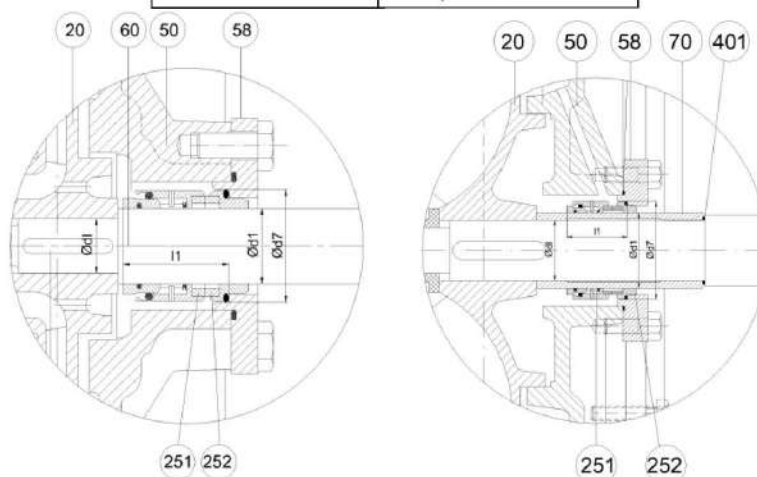
End Suction Centrifugal Pumps

Mechanical Seal Applications

BURGMAN HJ92N-HJ977N-SHJ97G

- Single Seal
- Unbalanced
- Product Protected Spring
- Independent on Direction of Rotation
- To EN 12756

p ₁	: 0.8...25 Bar
t (HJ92N)	: -50...220 °C
t (HJ92N)	: -20...180 °C
V _g	: 10 m/s
Axial Movement	: ± 0,5 mm



Part No	Part Name for A, B, C, D
20	Impeller
50	Mechanical Seal Box
58	Mechanical Seal Box Cover
251	Rotating Part of Mechanical Seal
252	Stationary Part of Mechanical Seal

Part No	Part Name for E
20	Impeller
50	Mechanical Seal Box
58	Mechanical Seal Box Cover
67	Adjusting Ring
70	Seal Sleeve
251	Rotating Part of Mechanical Seal
252	Rotating Part of Mechanical Seal
401	Seal Sleeve O-Ring

Group	Pump Size	Ø d1	Ø d7	Ø d1	l1
A	32-160, 40-160, 50-160, 65-160, 80-160, 100-160, 32-200, 40-200, 50-200, 65-200, 32-250, 40-250, 50-250	Ø 30	Ø 45	Ø 22	42,5
B	80-200, 100-200, 125-200, 150-200, 65-250, 80-250, 100-250, 125-250, 150-250, 50-315, 65-315, 80-315, 100-315, 65-400	Ø 40	Ø 58	Ø 30	45
C	200-280, 125-315, 150-315, 200-315, 80-400, 100-400, 125-400, 150-400	Ø 50	Ø 70	Ø 40	47,5
D	250-315, 200-400, 150-500, 300-315	Ø 60	Ø 80	Ø 50	52,5
E	250-400, 300-400, 200-500, 250-500, 350-450	Ø 75	Ø 97	Ø 60	60

NM Series

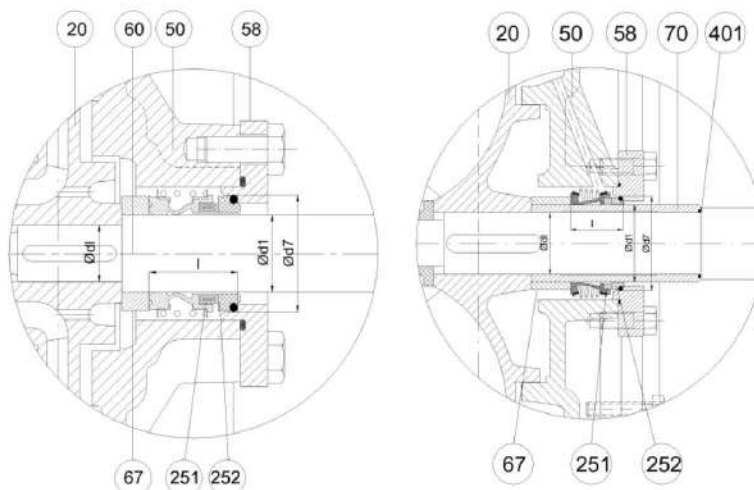
End Suction Centrifugal Pumps

Mechanical Seal Applications

BURGMAN MG1

- Single Seal
- Unbalanced
- Elastomer Bellows
- Independent on Direction of Rotation

p ₁	: 12 Bar
t	: -20...120 °C
V _g	: 10 m/s



Part No	Part Name for A, B, C, D
20	Impeller
50	Mechanical Seal Box
58	Mechanical Seal Box Cover
67	Adjusting Ring
251	Rotating Part of Mechanical Seal
252	Stationary Part of Mechanical Seal

Part No	Part Name for E
20	Impeller
50	Mechanical Seal Box
58	Mechanical Seal Box Cover
67	Adjusting Ring
70	Seal Sleeve
251	Rotating Part of Mechanical Seal
252	Rotating Part of Mechanical Seal
401	Seal Sleeve O-Ring

Group	Pump Size	Ø d1	Ø d7	Ø dI	l
A	32-160, 40-160, 50-160, 65-160, 80-160, 100-160, 32-200, 40-200, 50-200, 65-200, 32-250, 40-250, 50-250	Ø 30	Ø 45	Ø 22	34
B	80-200, 100-200, 125-200, 150-200, 65-250, 80-250, 100-250, 125-250, 150-250, 50-315, 65-315, 80-315, 100-315, 65-400	Ø 40	Ø 58	Ø 30	39
C	200-280, 125-315, 150-315, 200-315, 80-400, 100-400, 125-400, 150-400	Ø 50	Ø 70	Ø 40	40
D	250-315, 200-400, 150-500, 300-315	Ø 60	Ø 80	Ø 50	49
E	250-400, 300-400, 200-500, 250-500, 350-450	Ø 75	Ø 97	Ø 60	51,3

NM Series

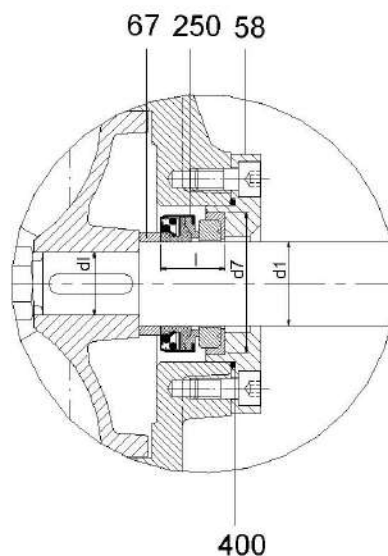
End Suction Centrifugal Pumps

Mechanical Seal Applications

BURGMANN BT-AR

- Single Seal
- Unbalanced
- Rubber Bellows
- Independent on Direction of Rotation

p ₁	: 6 Bar
t	: -20...120 °C
V _g	: 10 m/s



Part No	Part Name for A, B, C, D
58	Mechanical Seal Box Cover
67	Adjusting Ring
251	Mechanical Seal
400	O-Ring for Cover

Group	Pump Size	Ø d1	Ø d7	Ø d1	l
A	32-160, 40-160, 50-160, 65-160, 80-160, 100-160, 32-200, 40-200, 50-200, 65-200, 32-250, 40-250, 50-250	Ø 30	Ø 57	Ø 22	25
B	80-200, 100-200, 125-200, 150-200, 65-250, 80-250, 100-250, 125-250, 150-250, 50-315, 65-315, 80-315, 100-315, 65-400	Ø 40	Ø 68	Ø 30	30
C	200-280, 125-315, 150-315, 200-315, 80-400, 100-400, 125-400, 150-400	Ø 50	Ø 88	Ø 40	38
D	250-315, 200-400, 150-500, 300-315	Ø 60	Ø 110	Ø 50	45

NM Series

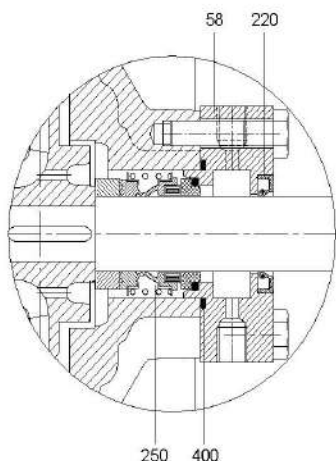
End Suction Centrifugal Pumps Mechanical Seal Applications

QUENCHING

A quench is used on the one hand when a single mechanical seal does not function at all or only within certain limits without auxiliary measures or when a double mechanical seal with pressurized buffer medium is unnecessary. When an integral stationary seat stop is fitted, the quench pressure should not exceed 1 Bar.

- ❖ Absorption or removal of leakage by quench medium.
- ❖ Monitoring of the mechanical seal's leakage rate by periodic measurement of the level of the quench medium in the circulation vessel or thermosyphon vessel.
- ❖ Lubrication and cooling of the stand-by mechanical seal.

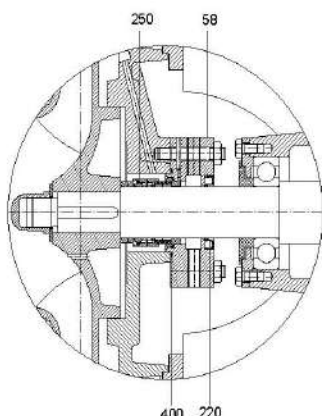
Exclusion of the air: For media reacting with atmospheric oxygen the quenching medium stops the leakage making contact with air.



58	Mechanical Seal Cover for Quenching
220	Oil Seal
250	Mechanical Seal
400	O-Ring For the Cover

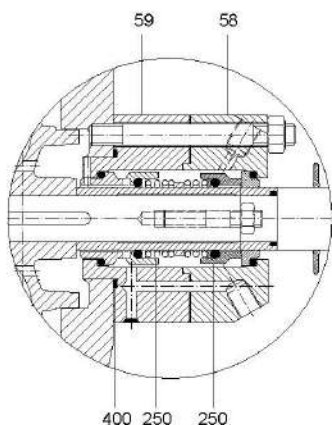
QUENCH WITH AN INTERNAL CIRCULATION

A pumped medium is injected into the area of the sliding faces from the discharge of the pumps.



58	Mechanical Seal Cover
220	Oil Seal
250	Mechanical Seal
400	O-Ring For the Cover

DOUBLE MECHANICAL SEAL APPLICATION



58	Mechanical Seal Cover
59	Mechanical Seal Cover
250	Mechanical Seal
400	O-Ring For the Cover

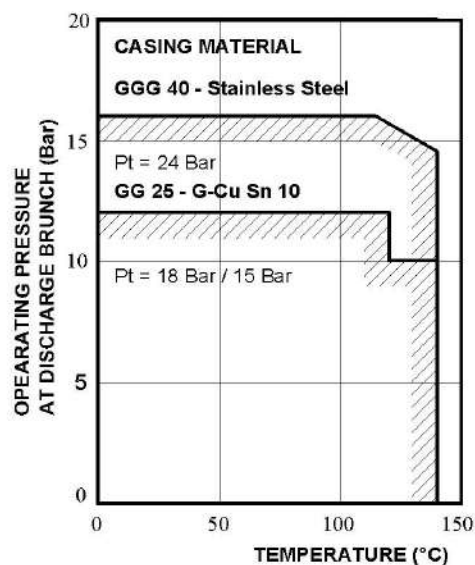
**For these applications please consult to Sistema Pumps. representative.*

NM Series

End Suction Centrifugal Pumps

Technical Data

Temperature and Pressure Limits



Pt: Test Pressure

Casing Material	Max. Temperature of Liquid	Max. Permissible Casing Pressure
Cast Iron GG 25 and Bronze G-Cu Sn 10	120 °C	12 Bar
	140 °C	10 Bar
Spheroidal Cast Iron GGG 40 and Stainless Steel AISI 304-316	120 °C	16 Bar
	140 °C	14 Bar

Material Options

Components \ Material. No	0.6025	0.7040	2.1050.01	1.4021	1.4301	1.4401
Pump Casing	●	○	○		○	○
Back Cover	●	○	○		○	○
Impeller	●	○	○		○	○
Gland	○	●	○		○	○
Wearing Ring*	○	○	●		○	○
Shaft				●	○	○
Shaft Sleeve				●	○	○
Bearing Housing	●					
Bearing Cover	●					

● - Standard Manufacturing
○ - Optional

Material Equivalent

Description	DIN 17007	EN-DIN	ASTM
Cast Iron	0.6025	GJL-250 (GG25)	A 48 Class 40-B
Nodular Cast Iron	0.7040	GJS-400-15 (GGG40)	A 536 Gr.60-40-18
Cast Bronze	2.1050.01	G-Cu Sn 10	B 584 C 90700
Chrome Steel	1.4021	X20 Cr 13	A 276 Type 420
Chrome Nickel Steel	1.4301	X5 Cr Ni 18.9	A 276 Type 304
Chrome Nickel Molybdenum Steel	1.4401	X5 Cr Ni Mo 18.10	A 276 Type 316

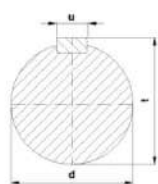
*Wearing Rings and Shaft Sleeves are upon request.

Key-Way and Shaft Dimensions for Motor Side

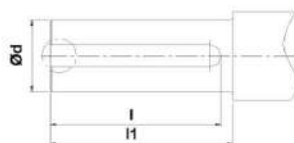
NM Series

End Suction Centrifugal Pumps

Technical Data

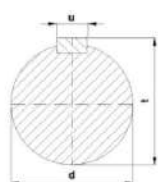


Group	d	t	u
A	24	28	8
B	32	37	10
C	42	47	12
D	55	61	16
E	65	72	18



l	l1
50	47
75	80
106	110
100	110
125	140

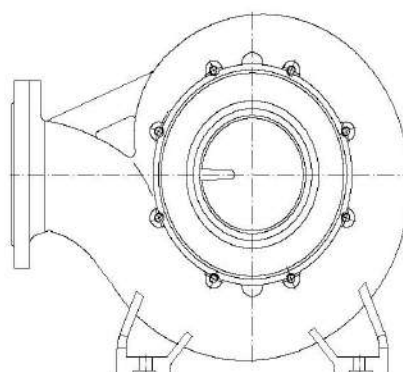
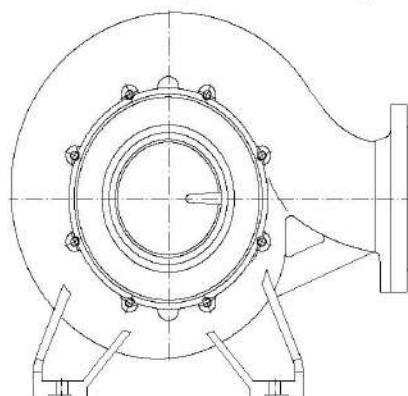
Key-Way and Shaft Dimensions for Impeller Side



Group	d	t	u
A	22	26	6
B	30	34	8
C	40	45	10
D	50	55,5	14
E	60	67	18

NM-Cr

In this application, both Stuffing Box (Back Cover) and Pump Casing are stainless steel. Also, pump discharge flange can be rotated by 90° to other positions by the help of modular pump model.



Components No	Material.	0.6025	0.7040	2.1050.01	1.4021	1.4301	1.4401
Pump Casing						o	•
Back Cover						o	•
Impeller						o	•
Gland			•	o		o	o
Wearing Ring*				•		o	o
Shaft					•	o	o
Shaft Sleeve					•	o	o
Bearing Housing		•					
Bearing Cover		•					

NM-CR	NM-CR	NM-CR
NM-CR 32-200	NM-CR 50-250	NM-CR 150-315
NM-CR 40-200	NM-CR 80-250	
NM-CR 50-200	NM-CR 100-250	
NM-CR 65-200	NM-CR 125-250	
NM-CR 80-200	NM-CR 150-250	
NM-CR 100-200		
NM-CR 125-200		

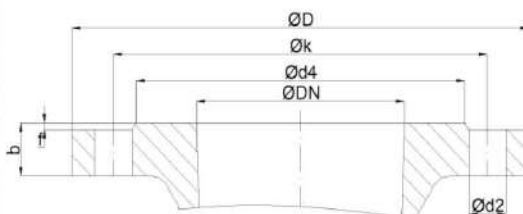
- - Standard Manufacturing
- o - Optional

NM Series

End Suction Centrifugal Pumps

Flange Dimensions

Pump Suction And Discharge Flange Dimensions								
DNs	PN	ØD	Øk	Ød4	Ød2	b	f	Hole
DNd								Quantity
32	16	140	100	78	18	18	2	4
40		150	110	88	18	18	3	4
50		165	125	102	18	20	3	4
65		185	145	122	18	20	3	4
80		200	160	138	18	22	3	8
100		220	180	158	18	24	3	8
125		250	210	188	18	26	3	8
150		285	240	212	22	26	3	8
200	10	340	295	268	22	30	3	12
250		395	350	320	22	28	3	12
300		445	400	370	22	28	4	12
350		505	460	430	22	34	4	16
400		565	515	482	26	34	4	16



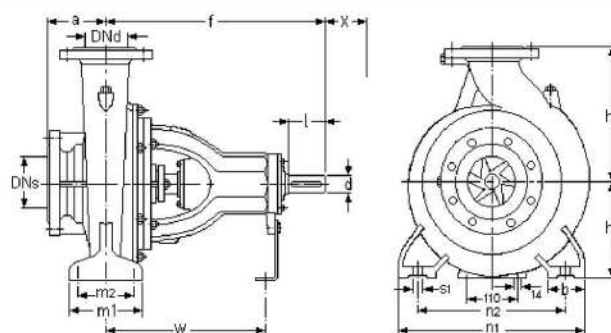
No	Pump Type	Flanges			
		DNs (mm) Suction		DNd (MM) Discharge	
1	32–160	50	PN 16	32	PN 16
2	32–200				
3	32–250				
4	40–160	65		40	
5	40–200				
6	40–250				
7	50–160	65		50	
8	50–200				
9	50–250				
10	50–315	80			
11	65–160				
12	65–200				
13	65–250			65	
14	65–315				
15	65–400				
16	80–160	100			
17	80–200				
18	80–250			80	
19	80–315				
20	80–400				

No	Pump Type	Flanges			
		DNs (mm) Suction		DNd (MM) Discharge	
21	100–160	125	PN 16	100	PN 16
22	100–200				
23	100–250				
24	100–315				
25	100–400				
26	125–200	150			
27	125–250				
28	125–315				
29	125–400				
30	150–200				
31	150–250	200			
32	150–315				
33	150–400				
34	150–500				
35	200–315				
36	200–400	250	200		
37	200–500				
38	250–315				
39	250–400				
40	250–500				
41	250–500A	300	250		
42	300–315A				
43	300–315				
44	300–400				
45	350–450				
		300	PN 10	300	
		350			
		400			

NM Series

End Suction Centrifugal Pumps

Overall Dimensions



No	Pump Type		Flanges		Length		Height		Pump Feet Fixing Details							Shaft End			(°)	Weight kg
	EN 733	Added	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm		
1	32-160		50	32	80	360	132	160	50	100	70	240	190	M12	260	24	50	65		37
2	32-200		50	32	80	360	160	180	50	100	70	240	190	M12	260	24	50	65		40
3		32-250	50	32	100	360	180	225	50	125	95	320	250	M12	260	24	50	80		45
4	40-160		65	40	80	360	132	160	50	100	70	240	190	M12	260	24	50	75		38
5	40-200		65	40	100	360	160	180	50	100	70	265	212	M12	260	24	50	75		44.5
6	40-250		65	40	100	360	180	225	65	125	95	320	250	M12	260	24	50	75		54
7	50-160		65	50	100	360	160	180	50	100	70	265	212	M12	260	24	50	80		41.5
8	50-200		65	50	100	360	160	200	50	125	95	265	212	M12	260	24	50	85		46.5
9	50-250		65	50	100	360	180	225	65	125	95	320	250	M12	260	24	50	85		54.5
10		50-315	80	50	100	470	225	280	80	160	120	360	280	M16	330	32	80	100		103
11	65-160		80	65	100	360	160	200	65	125	95	280	212	M12	260	24	50	100		44
12	65-200		80	65	100	360	180	225	65	125	95	320	250	M12	260	24	50	100		47.5
13	65-250		80	65	100	470	200	250	80	160	120	360	280	M16	340	32	80	100		77.5
14	65-315		80	65	125	470	225	280	80	160	120	400	315	M16	340	32	80	110		92
15		65-400	100	65	125	470	250	355	80	160	120	400	315	M16	340	32	80	110		125
16	80-160		100	80	125	360	180	225	65	125	95	320	250	M12	260	24	50	110		51
17	80-200		100	80	125	470	180	250	65	125	95	345	280	M12	340	32	80	110		75.5
18	80-250		100	80	125	470	200	280	80	160	120	400	315	M16	340	32	80	115		93
19	80-315		100	80	125	470	250	315	80	160	120	400	315	M16	340	32	80	120		107
20		80-400	100	80	125	530	280	355	100	200	150	500	400	M20	370	42	110	120		162
21		100-160	125	100	125	360	200	280	80	160	120	360	280	M16	260	24	50	120		-
22	100-200		125	100	125	470	200	280	80	160	120	360	280	M16	340	32	80	120		83
23	100-250		125	100	140	470	225	280	80	160	120	400	315	M16	340	32	80	130		95
24	100-315		125	100	140	470	250	315	80	160	120	400	315	M16	340	32	80	130		110
25	100-400		125	100	140	530	280	355	100	200	150	500	400	M20	370	42	110	130		168
26		125-200	150	125	140	470	250	315	80	160	120	400	315	M16	340	32	80	130		106.5
27	125-250		150	125	140	470	250	355	80	160	120	400	315	M16	340	32	80	140		105.5
28	125-315		150	125	140	530	280	355	100	200	150	500	400	M20	370	42	110	140		166.5
29	125-400		150	125	140	530	315	400	100	200	150	500	400	M20	370	42	110	140		189
30		150-200	200	150	160	470	280	355	100	200	150	500	400	M16	340	32	80	170		137.5
31		150-250	200	150	160	470	280	375	100	200	150	500	400	M16	340	32	80	140		137.5
32	150-315		200	150	160	530	280	400	100	200	150	550	450	M20	370	42	110	140		182.5
33	150-400		200	150	160	530	315	450	100	200	150	550	450	M20	370	42	110	140		210.5
34		150-500	200	150	180	700	400	525	110	250	200	620	500	M20	500	55	110	140		197
36		200-315	250	200	180	535	355	450	110	250	200	620	500	M20	410	42	110	160		201
36		200-400	250	200	180	710	400	500	110	250	200	620	500	M20	500	55	110	160		354
37		200-500	300	250	280	875	500	700	150	360	250	900	750	M28	560	65	140	320		615
38		250-315	300	250	240	725	400	525	140	300	240	620	500	M24	500	55	110	200		419
39		250-400	300	250	225	865	400	550	140	300	240	620	500	M24	600	65	140	200		510
40		250-500	300	250	280	875	500	700	150	360	290	900	750	M28	560	65	140	320		615
41		250-500A	300	250	280	875	500	700	150	360	290	900	750	M28	560	65	140	320		615
42		300-315A	300	300	275	810	425	600	140	300	240	620	500	M24	550	55	140	270		516
43		300-315	300	300	275	810	425	600	140	300	240	620	500	M24	550	55	140	270		516
44		300-400	350	300	275	865	450	630	150	360	290	800	650	M24	550	65	140	300		636
45		350-450	400	350	280	875	500	700	150	360	290	900	750	M24	560	65	140	300		755

Product Information as per Regulation No. 547/2012 (for Water Pumps with a Maximum Shaft Power of 150 kW) Implementing "Ecodesign" Directive 2009/125/EC

Minimum Efficiency Index for NM Pump Series is shown on the pump label.

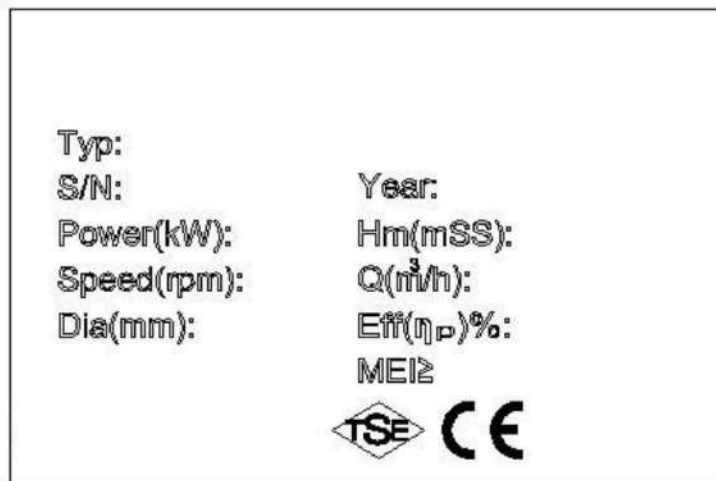
MEI values of NM Pump Series are shown on the pump characteristic curves.

Minimum Efficiency Index for NM Pump Series; Minimum 0.4. ($MEI \geq 0,4$)

Efficiency values of the pump characteristic curves, which are cut diameter, are expressed in %.

NM Series water pumps, the pump efficiency can be achieved more than fix speed in case of variable speed control.

More information about the Ecodesign can be reached at www.europump.org



Pump Label

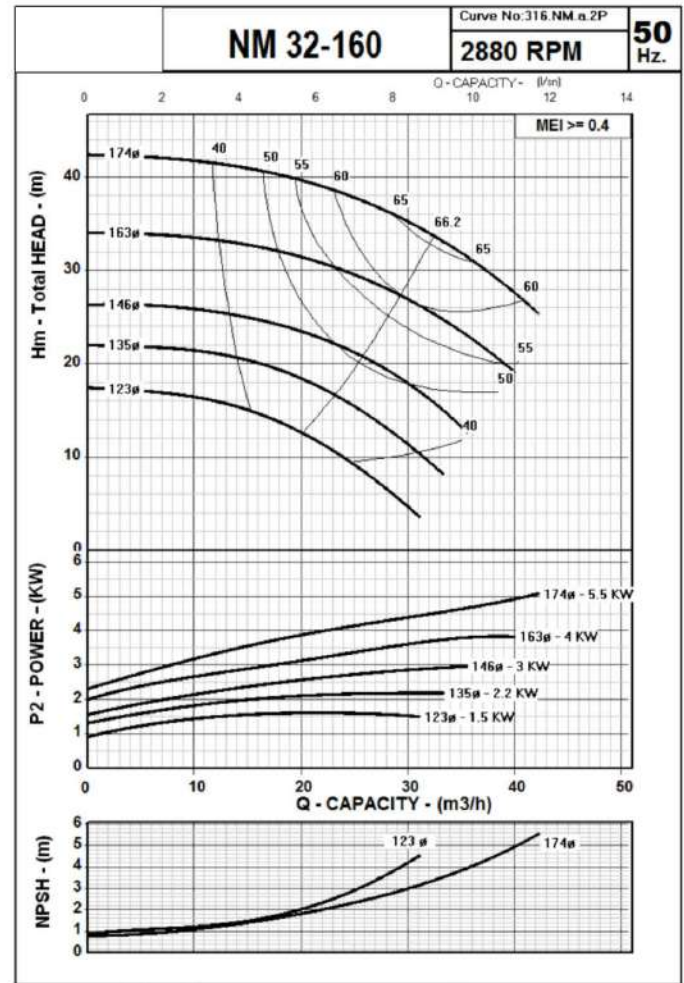
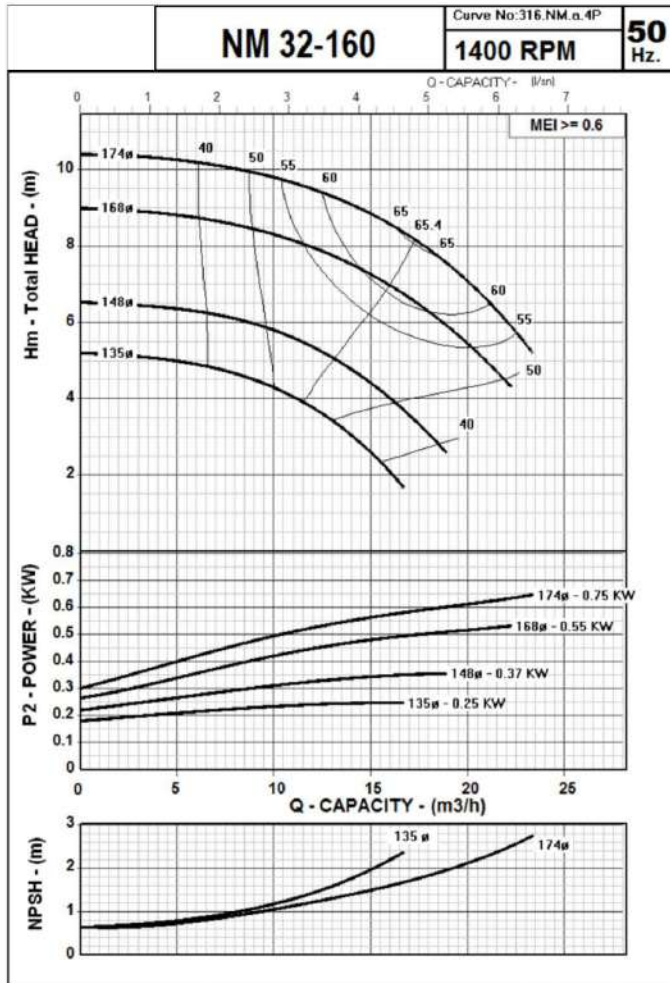
NM Series

End Suction Centrifugal Pumps

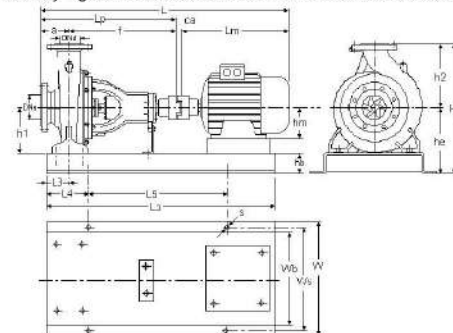
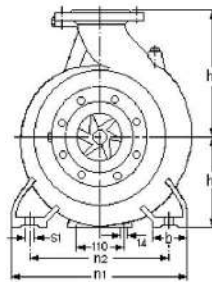
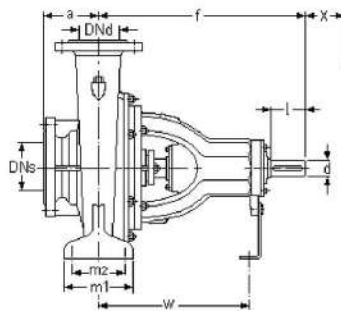
Performance Curves



NM 32-160



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							ShaftEnd		(°)	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm		
32-160	50	32	80	360	132	160	50	100	70	240	190	M12	260	24	50	65	37

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S	
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
32-160	4 poles	0.25	71	252.5	71	440	16	708.5	360	357	700	260	65	197	50	100	500	310	19	
		0.37	71	252.5	71	440	16	708.5	360	357	700	260	65	197	50	100	500	310	19	
		0.55	80	283.5	80	440	16	739.5	360	357	700	260	65	197	50	100	500	310	19	
		0.75	80	283.5	80	440	16	739.5	360	357	700	260	65	197	50	100	500	310	19	
	2 poles	1.1	80	283.5	80	440	16	739.5	360	357	700	260	65	197	50	100	500	310	19	
		1.5	90L	316.5	90	440	16	772.5	360	357	750	260	65	197	50	100	550	310	19	
		2.2	90L	316.5	90	440	16	772.5	360	357	750	260	65	197	50	100	550	310	19	
		3	100L	352	100	440	16	808	360	357	800	260	65	197	50	100	600	310	19	
		4	112M	395.5	112	440	19	854.5	360	357	800	260	65	197	50	100	600	310	19	
5.5		132S	440.5	132	440	19	899.5	380	357	850	280	65	197	50	150	550	330	19		

Sistema Pumps reserves the right to change specifications without prior notice.

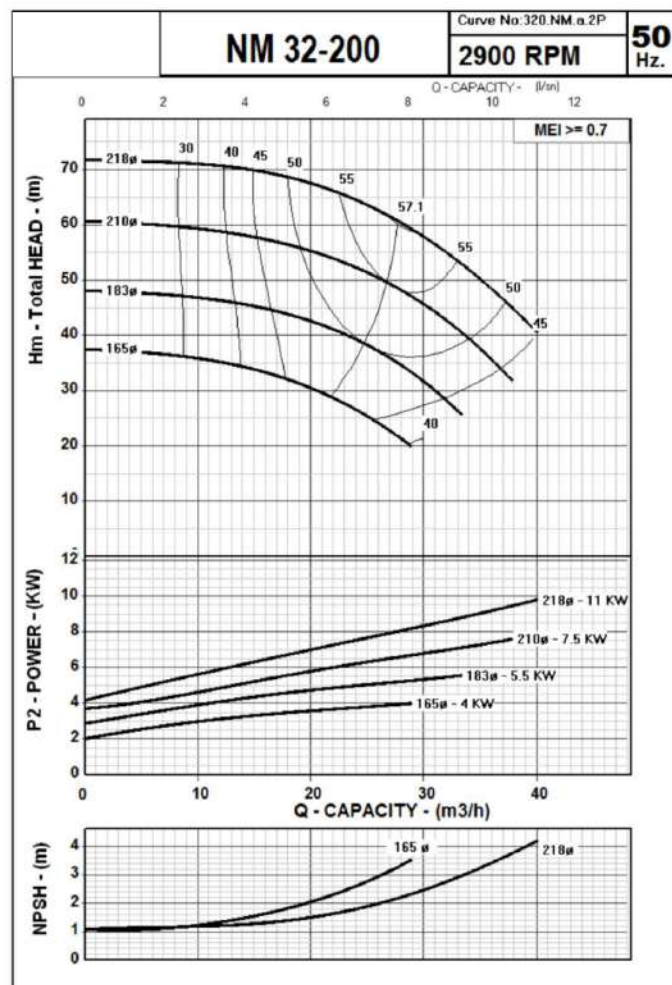
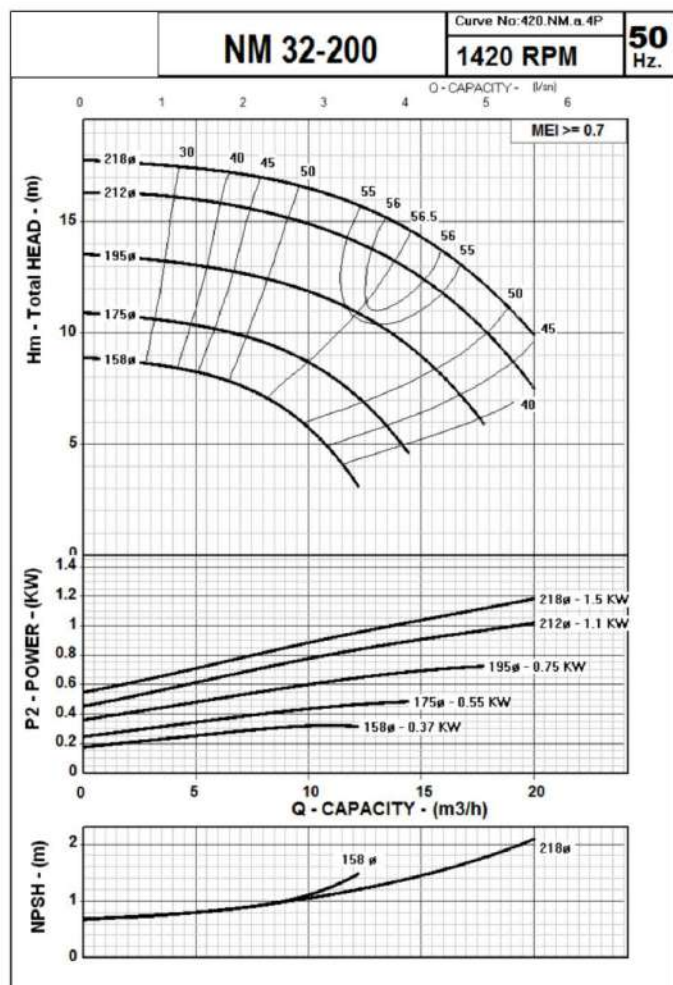
NM Series

End Suction Centrifugal Pumps

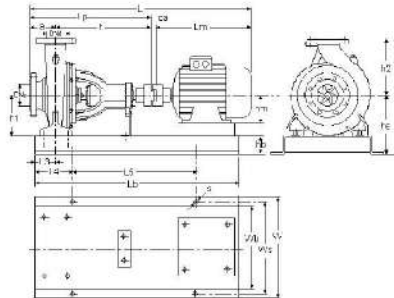
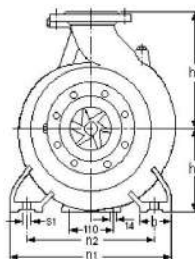
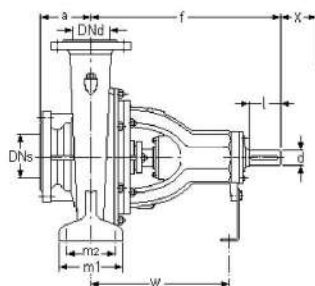
Performance Curves



NM 32-200



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges DNs mm	Flanges DNd mm	Length a mm	Length f mm	Height h1 mm	Height h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	Shaft End d mm	l mm	(°) X mm	Weight kg
32-200	50	32	80	360	160	180	50	100	70	240	190	M12	260	24	50	65	40

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S	
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
32-200	4 poles	0.37	71	252.5	71	440	16	708.5	360	405	700	260	65	225	50	100	500	310	19	
		0.55	80	283.5	80	440	16	739.5	360	405	700	260	65	225	50	100	500	310	19	
		0.75	80	283.5	80	440	16	739.5	360	405	700	260	65	225	50	100	500	310	19	
		1.1	90L	316.5	90	440	16	772.5	360	405	750	260	65	225	50	100	550	310	19	
		1.5	90L	316.5	90	440	16	772.5	360	405	750	260	65	225	50	100	550	310	19	
	2 poles	3	100L	352	100	440	16	808	360	405	800	260	65	225	50	100	600	310	19	
		4	112M	395.5	112	440	19	854.5	360	405	800	260	65	225	50	100	600	310	19	
		5.5	132S	440.5	132	440	19	899.5	380	405	850	280	65	225	50	150	550	330	19	
		7.5	132M	475.5	132	440	19	934.5	380	405	850	280	65	225	50	150	550	330	19	
		11	160M	576	160	440	19	1035	440	420	950	340	80	240	50	150	650	390	19	

Sistema Pumps reserves the right to change specifications without prior notice.

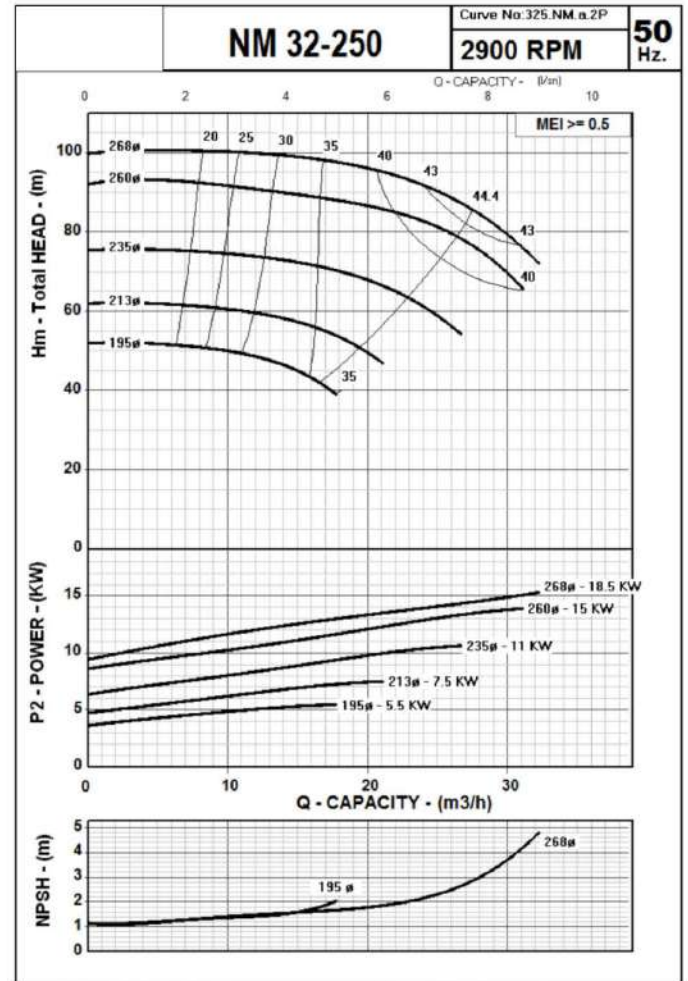
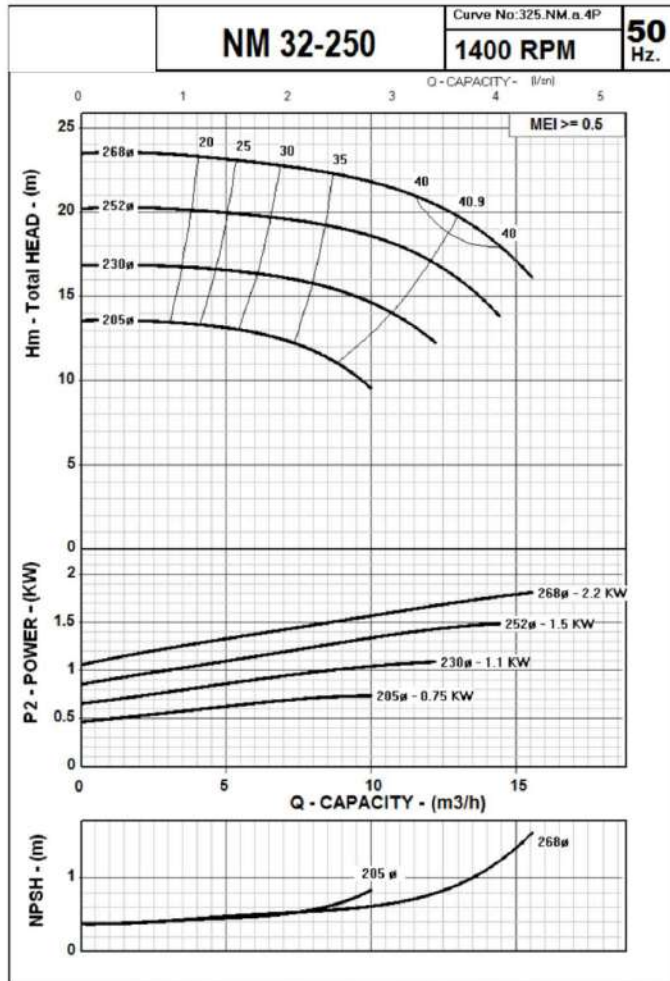
NM Series

End Suction Centrifugal Pumps

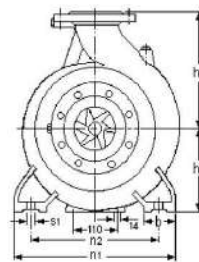
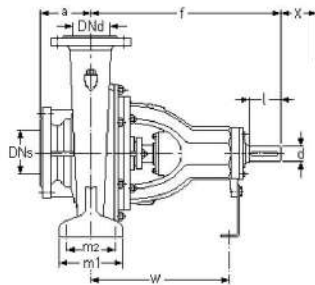
Performance Curves



NM 32-250



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



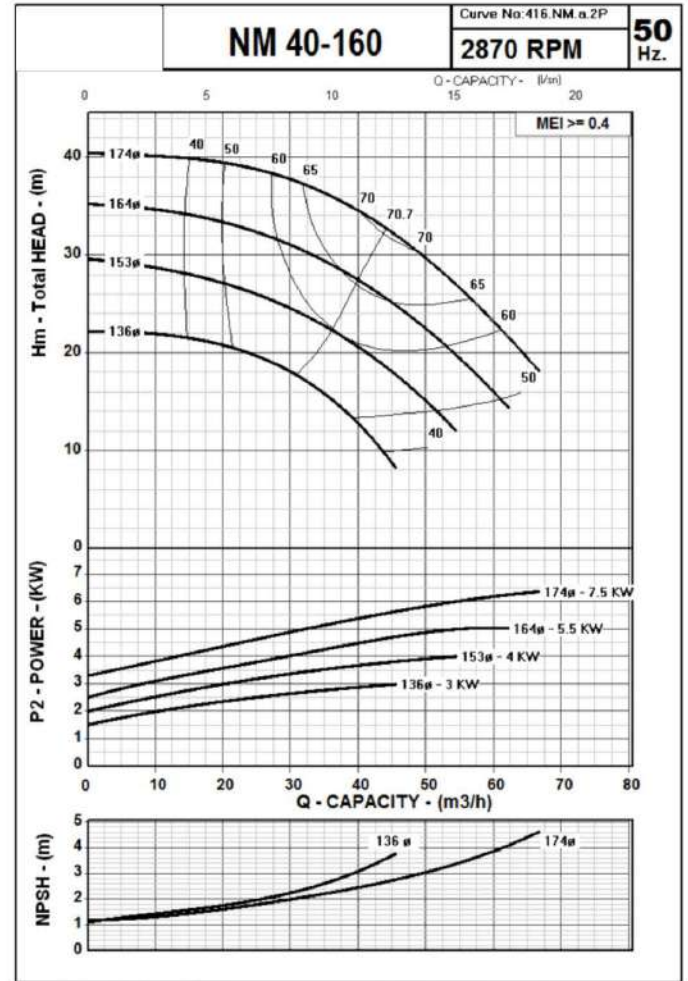
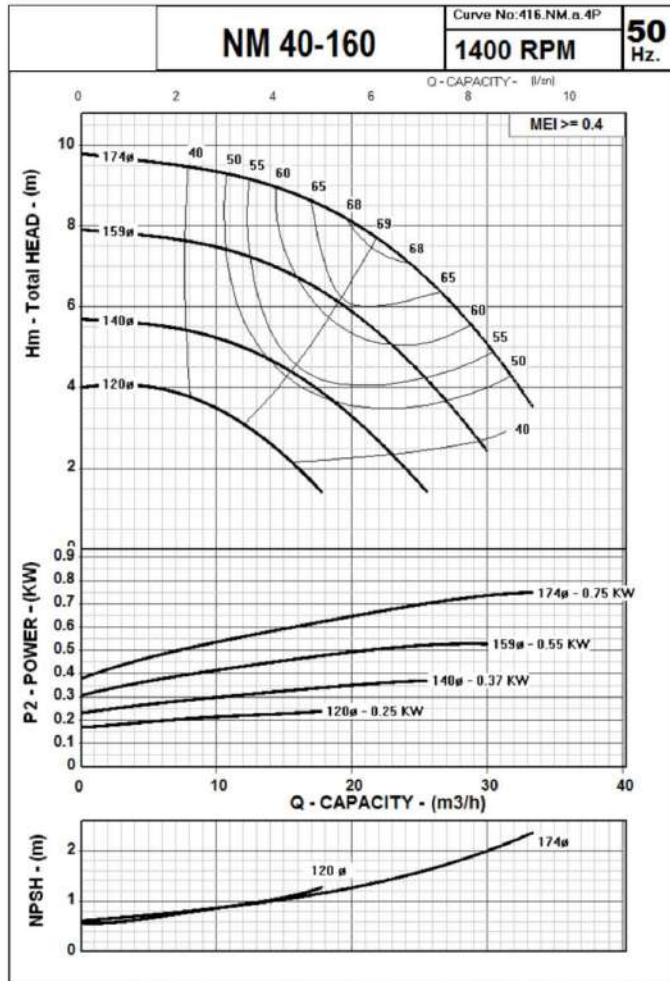
NM Series

End Suction Centrifugal Pumps

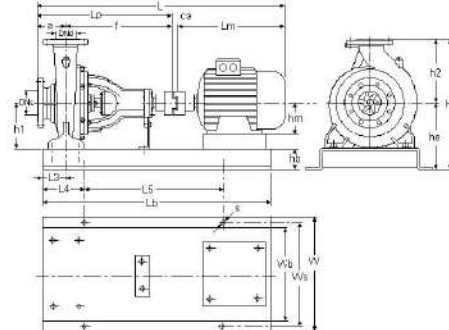
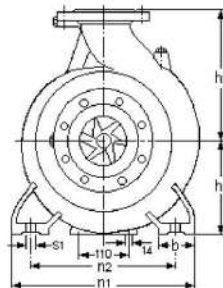
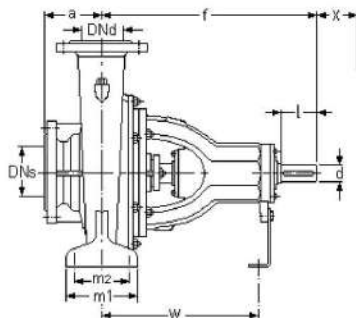
Performance Curves

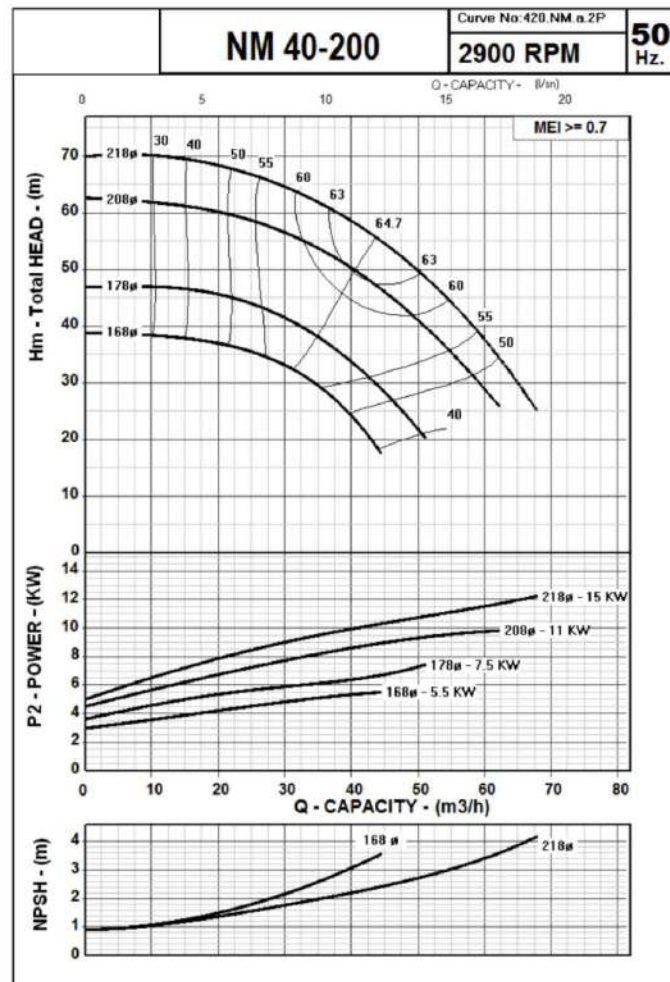


NM 40-160

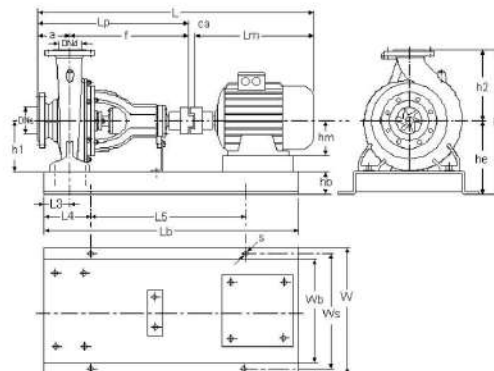
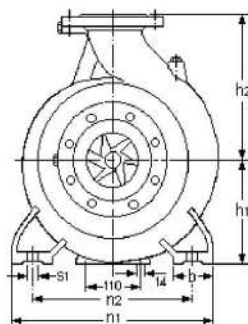
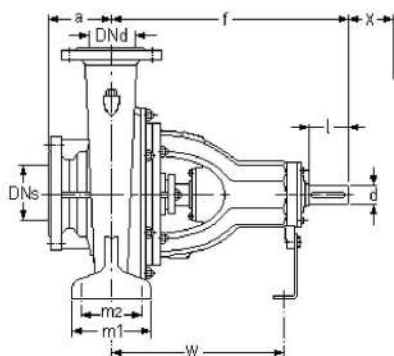


The Performance Curves 50 Hz are based on the kinematic viscosity $1 \text{ mm}^2/\text{s}$ and density 1 g/cm^3 . Tolerances are acc. to ISO 9906 Annex A.



NM 40-200

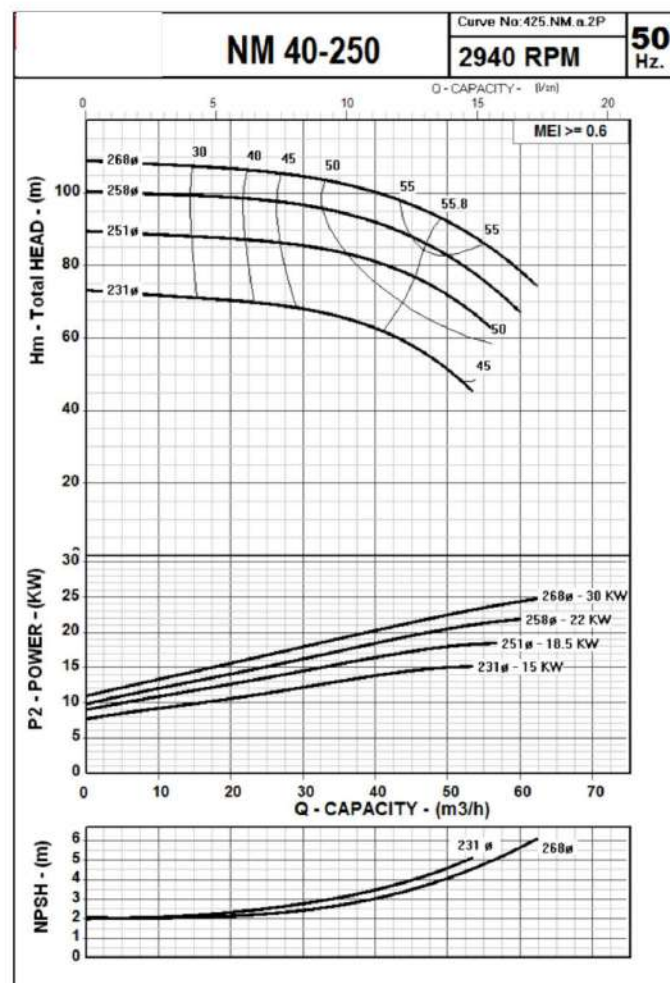
The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



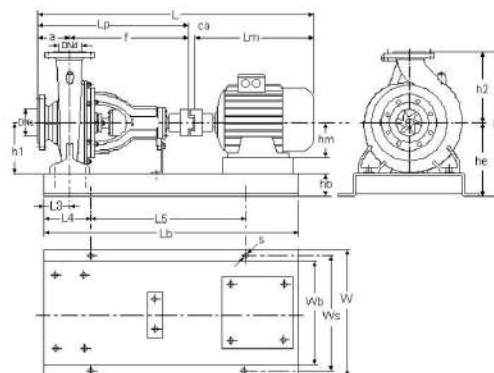
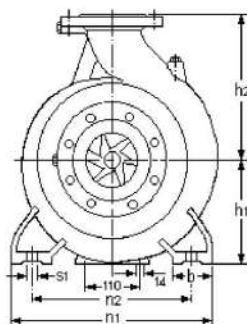
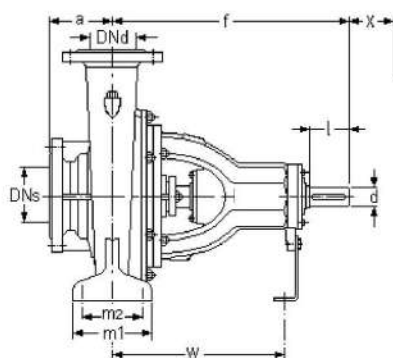
Pump Size	Flanges		Length		Height		Mounting Details								Shaft End		(*)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40-200	65	40	100	360	160	180	50	100	70	265	212	M12	260	24	50	75	44.5	

		MOTOR				PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm mm	Hm mm	Lp mm	Ca mm	L mm	W mm	H mm	Lb mm	Wb mm	Hb mm	He mm	L3 mm	L4 mm	L5 mm	Ws mm	S mm		
40-200	4 poles	0.75	80	283.5	80	460	16	759.5	380	405	700	280	65	225	50	100	500	330	19		
		1.1	90L	316.5	90	460	17	793.5	380	405	750	280	65	225	50	100	550	330	19		
		1.5	90L	316.5	90	460	17	793.5	380	405	750	280	65	225	50	100	550	330	19		
	2 poles	5.5	132S	440.5	132	460	19	919.5	380	405	850	280	65	225	50	150	550	330	19		
		7.5	132M	475.5	132	460	19	954.5	380	405	850	280	65	225	50	150	550	330	19		
		11	160M	576	160	460	19	1055	440	420	950	340	80	240	50	150	650	390	19		
15		160L	576	160	460	27	1063	440	420	1000	340	80	240	50	150	700	390	19			

Sistema Pumps reserves the right to change specifications without prior notice.

NM 40-250

The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details								Shaft End		(°) X	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l			
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
40—250	85	40	100	380	180	225	65	125	95	320	250	M12	260	24	50	75	54	

		MOTOR				PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm mm	Hm mm	Lp mm	Ca mm	L mm	W mm	H mm	Lb mm	Wb mm	Hb mm	He mm	L3 mm	L4 mm	L5 mm	Ws mm	S mm		
40-250	4 poles	1.5	90L	316.5	90	460	17	793.5	440	485	750	340	80	260	63	100	550	390	19		
		2.2	100L	352	100	460	19	831	440	485	800	340	80	260	63	100	600	390	19		
		3	100L	352	100	460	19	831	440	485	800	340	80	260	63	100	600	390	19		
	2 poles	15	160L	576	160	460	27	1063	440	485	1000	340	80	260	63	150	700	390	19		
		18.5	160L	576	160	460	27	1063	440	485	1050	340	80	260	63	150	750	390	19		
		22	180M	629	180	460	27	1116	480	505	1050	380	100	280	63	150	750	430	19		
30		200L	665	200	460	32	1157	520	525	1100	420	100	300	63	150	800	470	19			

Sistema Pumps reserves the right to change specifications without prior notice.

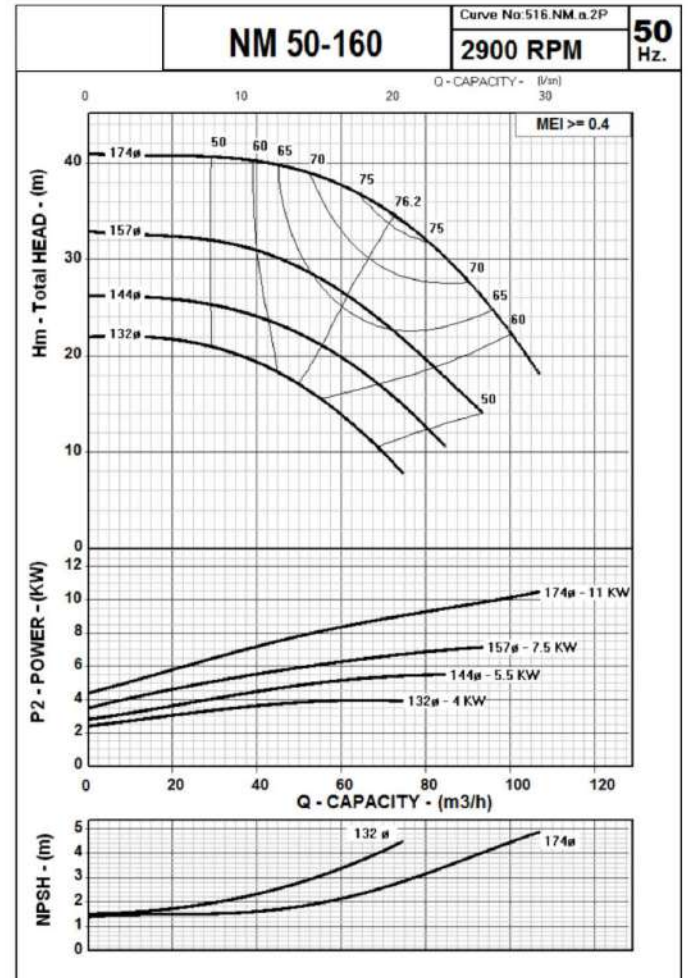
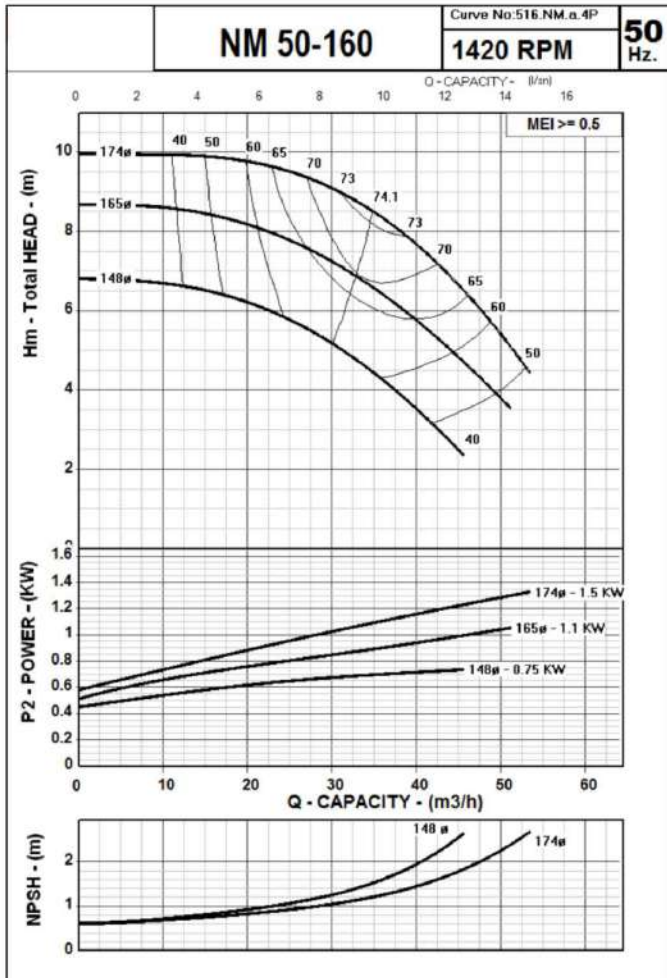
NM Series

End Suction Centrifugal Pumps

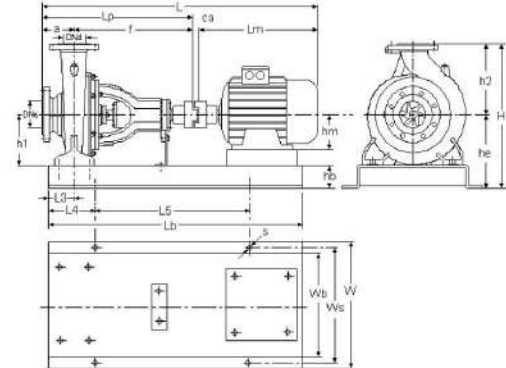
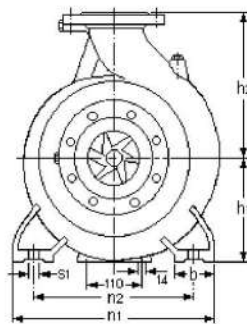
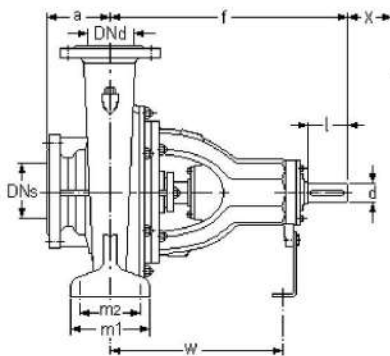
Performance Curves



NM 50-160



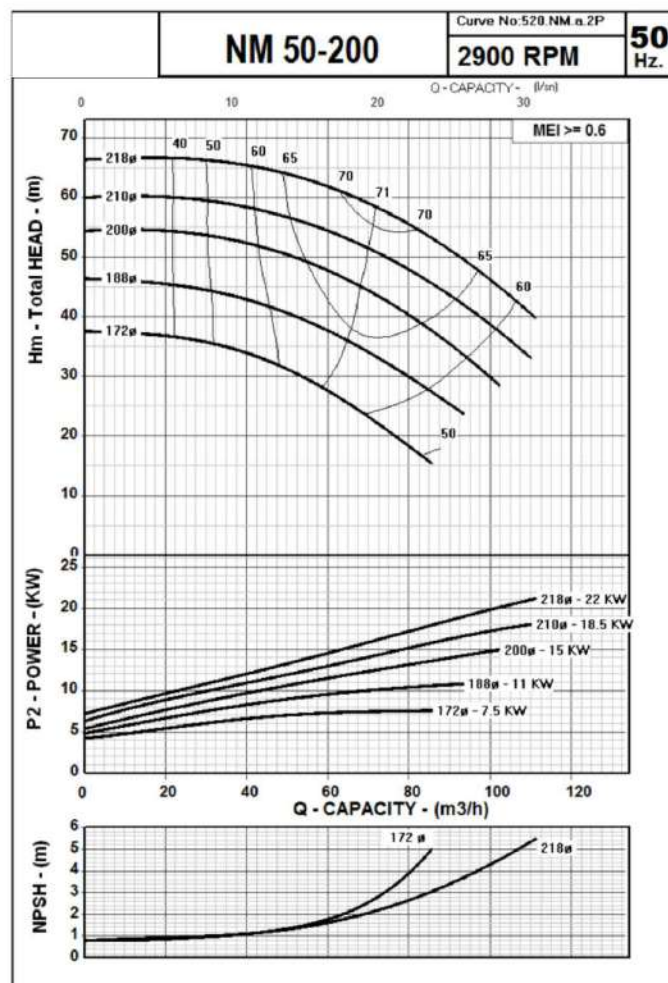
The Performance Curves 50 Hz are based on the kinematic viscosity $1 \text{ mm}^2/\text{s}$ and density 1 g/cm^3 . Tolerances are acc. to ISO 9906 Annex A.



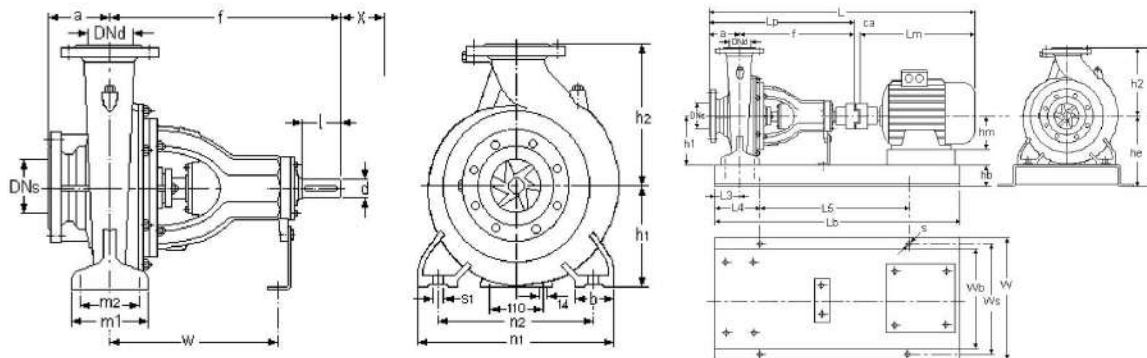
Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(°)		Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm		
50-160	65	50	100	360	160	180	50	100	70	265	212	M12	260	24	50	80		41.5

		MOTOR				PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S		
				mm	mm															mm	mm
50-160	4 poles	0.75	80	283.5	80	460	16	759.5	380	405	700	280	65	225	50	100	500	330	19		
		1.1	90L	316.5	90	460	17	793.5	380	405	750	280	65	225	50	100	550	330	19		
		1.5	90L	316.5	90	460	17	793.5	380	405	750	280	65	225	50	100	550	330	19		
	2 poles	4	112M	395.5	112	460	19	874.5	380	405	800	280	65	225	50	100	700	330	19		
		5.5	132S	440.5	132	460	19	919.5	380	405	850	280	65	225	50	150	550	330	19		
		7.5	132M	475.5	132	460	19	954.5	380	405	850	280	65	225	50	150	550	330	19		
		11	160M	576	160	460	19	1055	440	420	950	340	80	240	50	150	650	390	19		

Sistema Pumps reserves the right to change specifications without prior notice.

NM 50-200

The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details								Shaft End		(°)	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm		
50–200	65	50	100	360	160	200	50	125	95	265	212	M12	260	24	50	85	46.5	

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm mm	Hm mm	Lp mm	Ca mm	L mm	W mm	H mm	Lb mm	Wb mm	Hb mm	He mm	L3 mm	L4 mm	L5 mm	Ws mm	S mm	
50-200	4 poles	1.1	90L	316.5	90	460	17	793.5	380	425	750	280	65	225	50	100	550	330	19	
		1.5	90L	316.5	90	460	17	793.5	380	425	750	280	65	225	50	100	550	330	19	
		2.2	100L	352	100	460	19	831	380	425	800	280	65	225	50	100	600	330	19	
	2 poles	7.5	132M	475.5	132	460	19	954.5	380	425	850	280	65	225	50	150	550	330	19	
		11	160M	576	160	460	19	1055	440	440	950	340	80	240	50	150	650	390	19	
		15	160L	576	160	460	27	1063	440	440	1000	340	80	240	50	150	700	390	19	
		18.5	160L	576	160	460	27	1063	440	440	1000	340	80	240	50	150	700	390	19	
22		180M	629	180	460	27	1116	480	480	1000	380	100	280	50	150	700	430	19		

Sistema Pumps reserves the right to change specifications without prior notice.

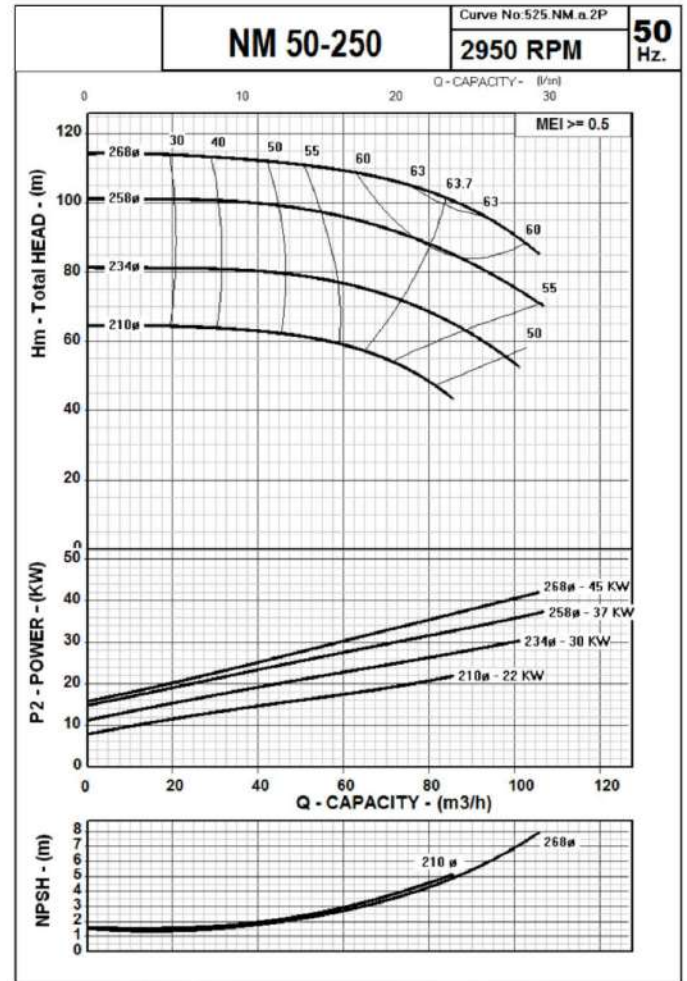
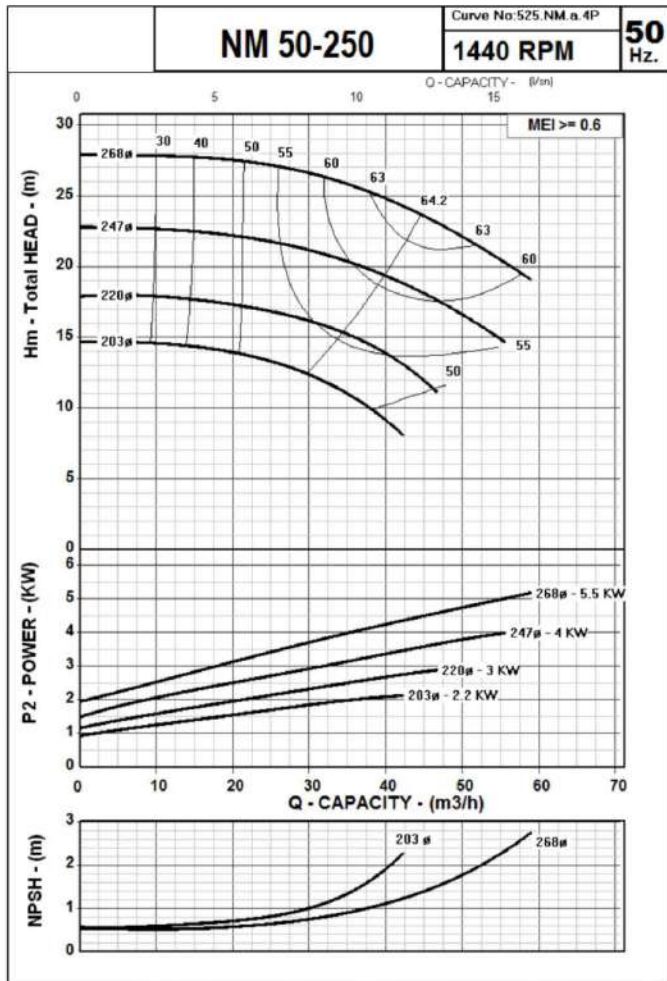
NM Series

End Suction Centrifugal Pumps

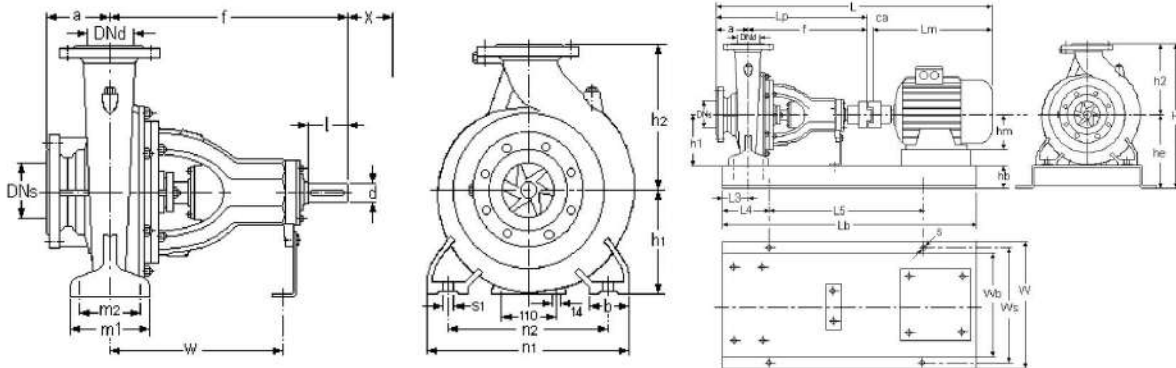
Performance Curves



NM 50-250



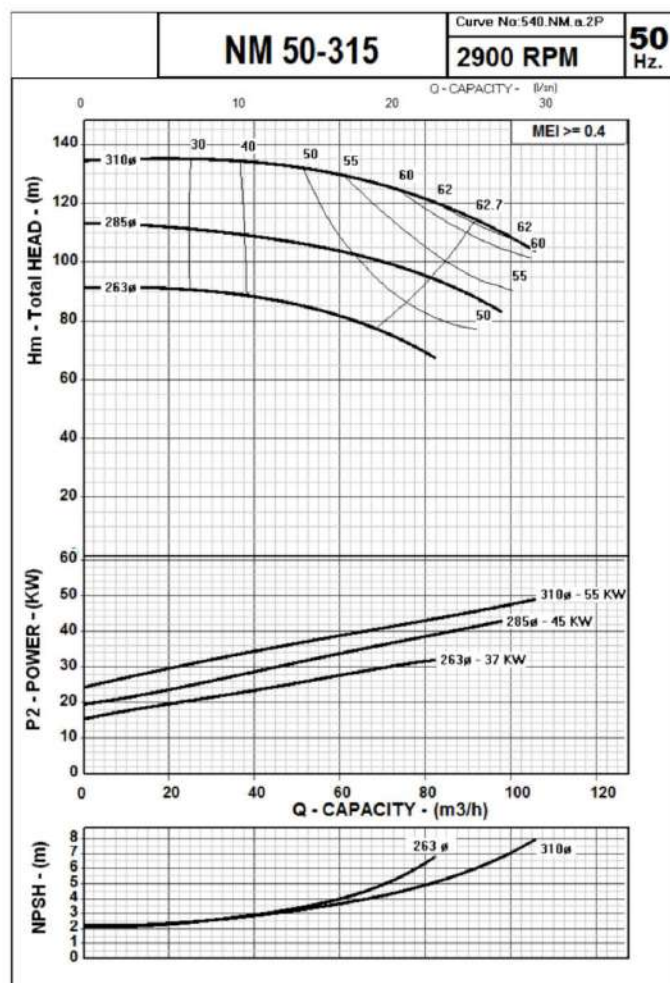
The Performance Curves 50 Hz are based on the kinematic viscosity $1 \text{ mm}^2/\text{s}$ and density 1 g/cm^3 . Tolerances are acc. to ISO 9906 Annex A.



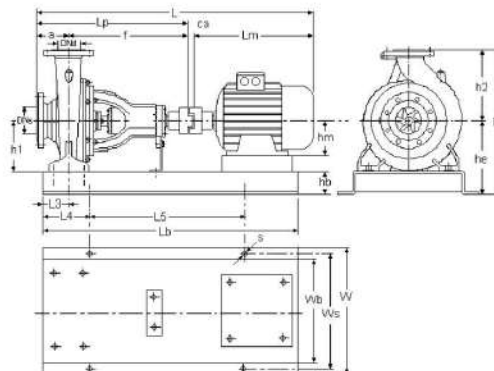
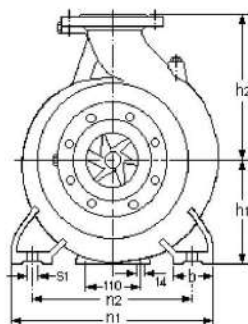
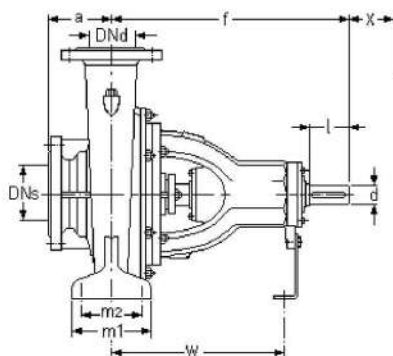
Pump Size	Flanges		Length		Height		Mounting Details										Shaft End		(°)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X	d	l	X	
50-250	65	50	100	360	180	225	65	125	95	320	250	M12	260	24	50	85				54.5

		MOTOR		PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
50-250	4 poles	2.2	100L	352	100	460	19	831	440	485	800	340	80	260	63	100	600	390	19
		3	100L	352	100	460	19	831	440	485	800	340	80	260	63	100	600	390	19
		4	112M	395.5	112	460	19	874.5	440	485	800	340	80	260	63	100	600	390	19
		5.5	132M	475.5	132	460	19	954.5	440	485	850	340	80	260	63	150	550	390	19
	2 poles	22	180M	629	180	460	27	1116	480	505	1050	380	100	280	63	150	850	430	19
		30	200L	665	200	460	32	1157	520	525	1150	420	100	300	63	150	800	470	19
		37	200L	665	200	460	32	1157	520	525	1150	420	100	300	63	150	800	470	19
		45	225M	735	225	460	34	1229	550	550	1150	450	100	325	63	150	850	500	19

Sistema Pumps reserves the right to change specifications without prior notice.

NM 50-315

The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(°) X	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
50–315	80	50	100	470	225	280	80	180	120	360	280	M16	330	32	80	100	103

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S	
				mm	mm															mm
50-315	4 poles	4	112M	395.5	112	570	19	984.5	480	605	950	380	100	325	80	150	650	430	19	
		5.5	132M	475.5	132	570	19	1064.5	480	605	1000	380	100	325	80	150	700	430	19	
		7.5	132M	475.5	132	570	27	1072.5	480	605	1050	380	100	325	80	150	750	430	19	
		11	160M	576	160	570	27	1173	480	605	1100	380	100	325	80	150	800	430	19	
	2 poles	37	200L	665	200	570	27	1262	520	605	1250	420	100	325	80	150	950	430	19	
		45	225M	735	225	570	32	1337	600	625	1300	480	120	345	80	200	900	540	24	
55		250M	886	250	570	34	1490	620	650	1370	500	120	370	80	200	950	560	24		

Sistema Pumps reserves the right to change specifications without prior notice.

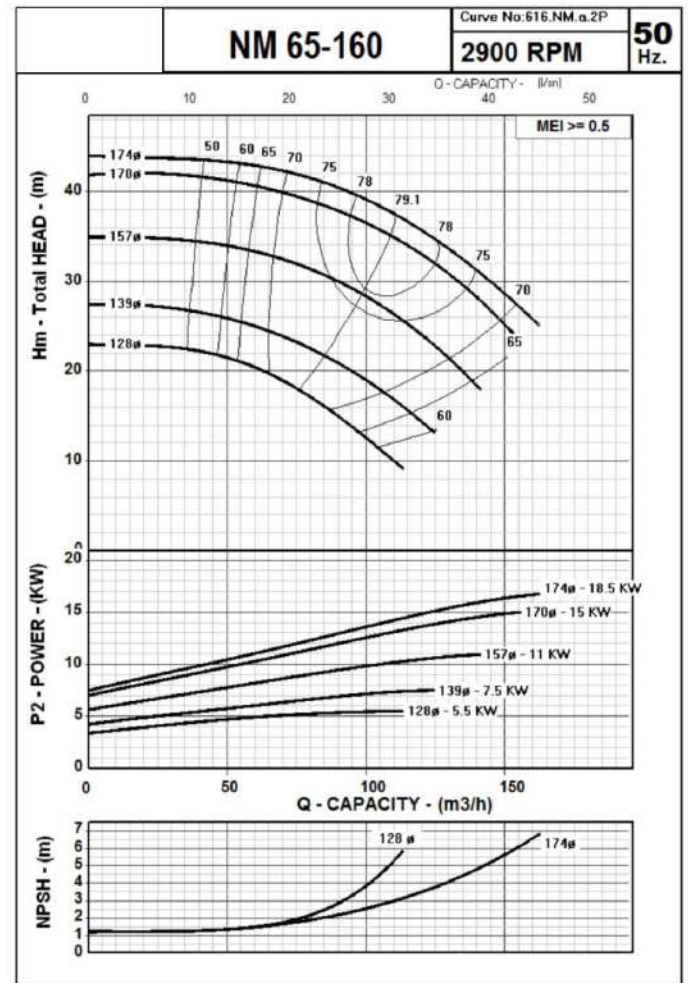
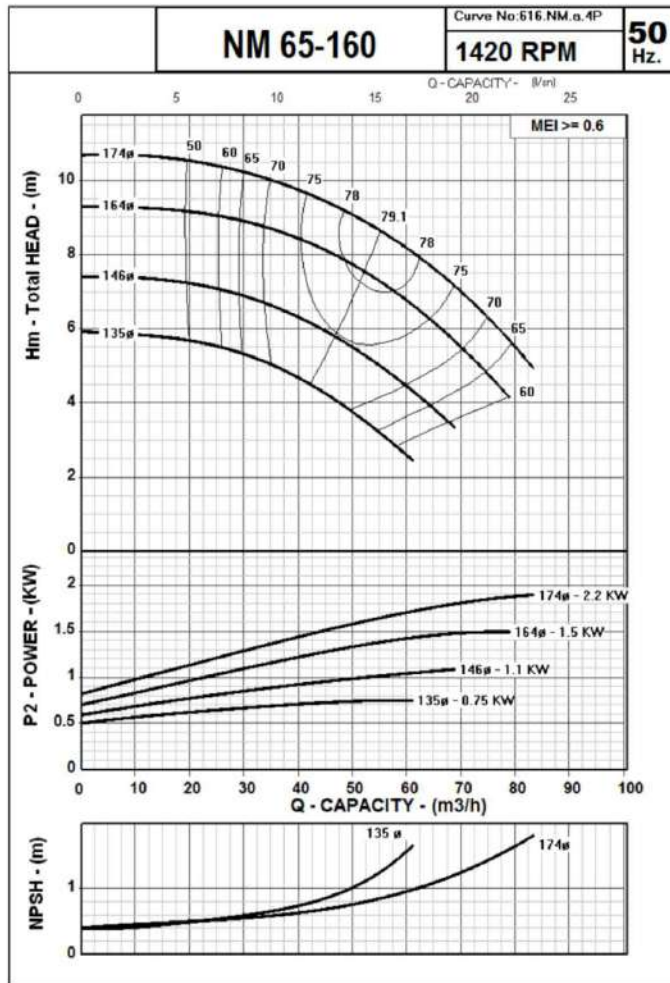
NM Series

End Suction Centrifugal Pumps

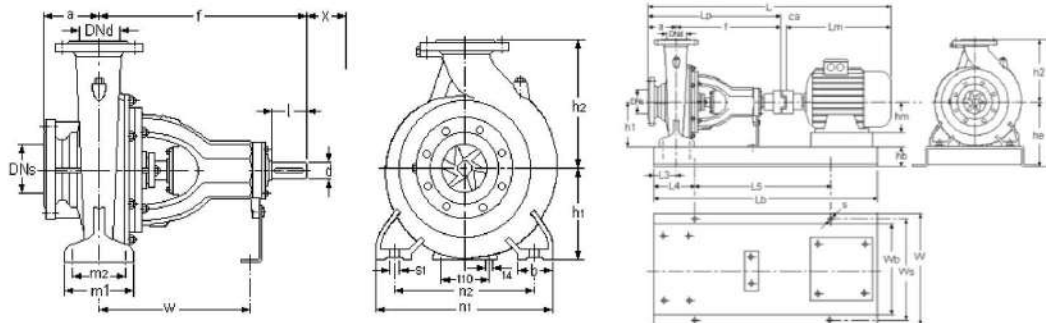
Performance Curves



NM 65-160



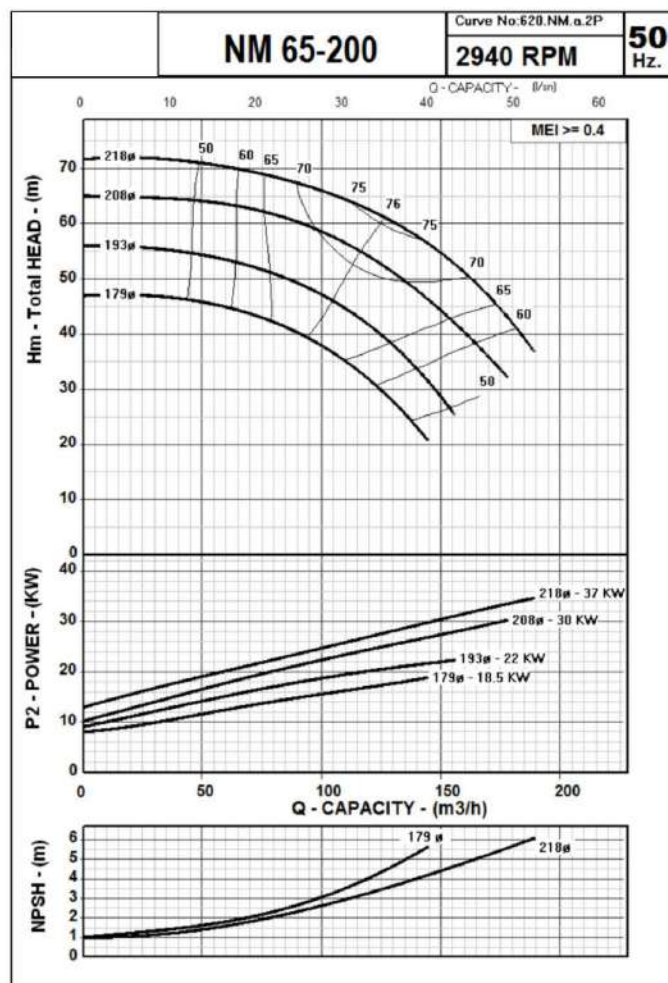
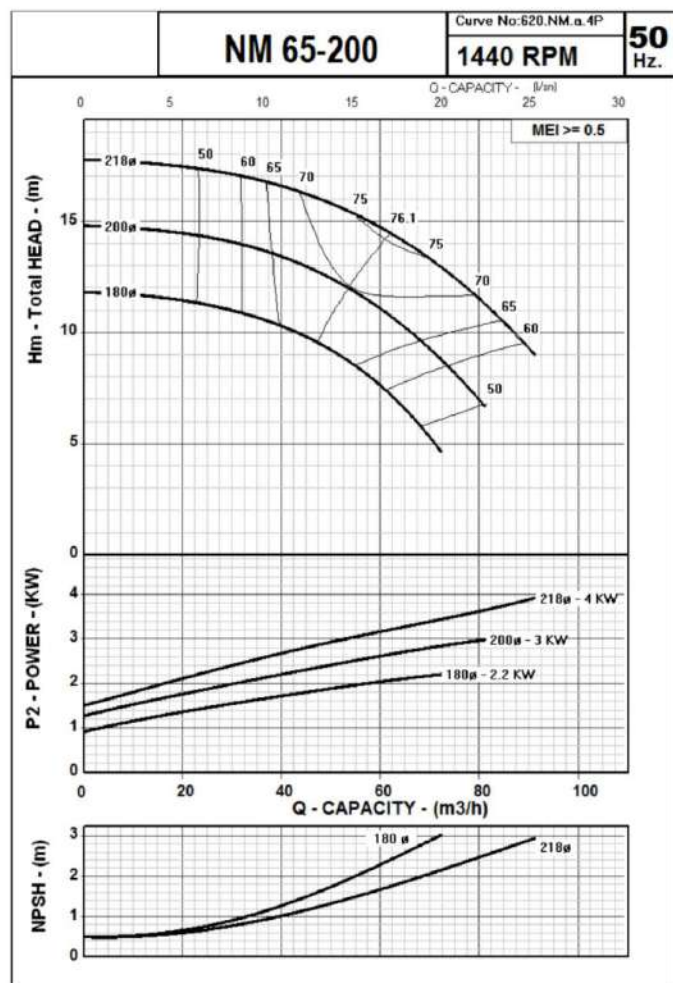
The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



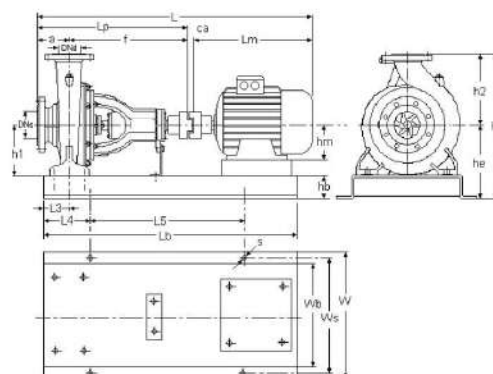
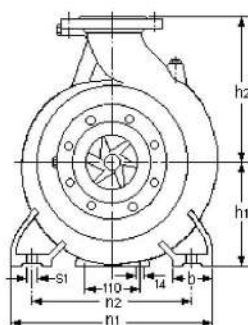
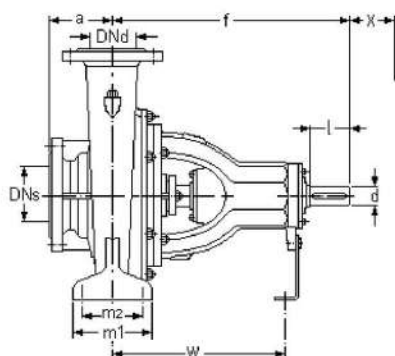
Pump Size	Flanges		Length		Height		Mounting Details								Shaft End		(°)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X		
65-160	80	65	100	360	160	200	65	125	95	280	212	M12	260	24	50	100	44	

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S	
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
65-160	4 poles	0.75	80	283.5	80	460	16	759.5	400	425	700	300	65	225	63	100	500	350	19	
		1.1	90L	316.5	90	460	17	793.5	400	425	750	300	65	225	63	100	550	350	19	
		1.5	90L	316.5	90	460	17	793.5	400	425	750	300	65	225	63	100	550	350	19	
		2.2	100L	352	100	460	19	831	400	425	800	300	65	225	63	100	600	350	19	
	2 poles	5.5	132S	440.5	132	460	19	919.5	400	425	850	300	65	225	63	150	550	350	19	
		7.5	132M	475.5	132	460	19	954.5	400	425	850	300	65	225	63	150	550	350	19	
		11	160M	576	160	460	19	1055	440	440	1000	340	80	240	63	150	700	390	19	
		15	160L	576	160	460	27	1063	440	440	1000	340	80	240	63	150	700	390	19	
		18.5	160L	576	160	460	27	1063	440	440	1050	340	80	240	63	150	750	390	19	

Sistema Pumps reserves the right to change specifications without prior notice.

NM 65-200

The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details								Shaft End		(*)	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm		
65-200	80	65	100	360	180	225	65	125	95	320	250	M12	260	24	50	100	47.5	

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm mm	Hm mm	Lp mm	Ca mm	L mm	W mm	H mm	Lb mm	Wb mm	Hb mm	He mm	L3 mm	L4 mm	L5 mm	Ws mm	S mm	
65-200	4 poles	2.2	100L	352	100	460	19	831	440	485	800	340	80	260	63	100	600	390	19	
		3	100L	352	100	460	19	831	440	485	800	340	80	260	63	100	600	390	19	
		4	112M	395.5	112	460	19	874.5	440	485	800	340	80	260	63	100	600	390	19	
	2 poles	18.5	160L	576	160	460	27	1063	440	485	1050	340	80	260	63	150	750	390	19	
		22	180M	629	180	460	27	1116	480	505	1050	380	100	280	63	150	750	430	19	
		30	200L	665	200	460	32	1157	520	525	1100	420	100	300	63	150	800	470	19	
37		200L	665	200	460	32	1157	520	525	1100	420	100	300	63	150	800	470	19		

Sistema Pumps reserves the right to change specifications without prior notice.

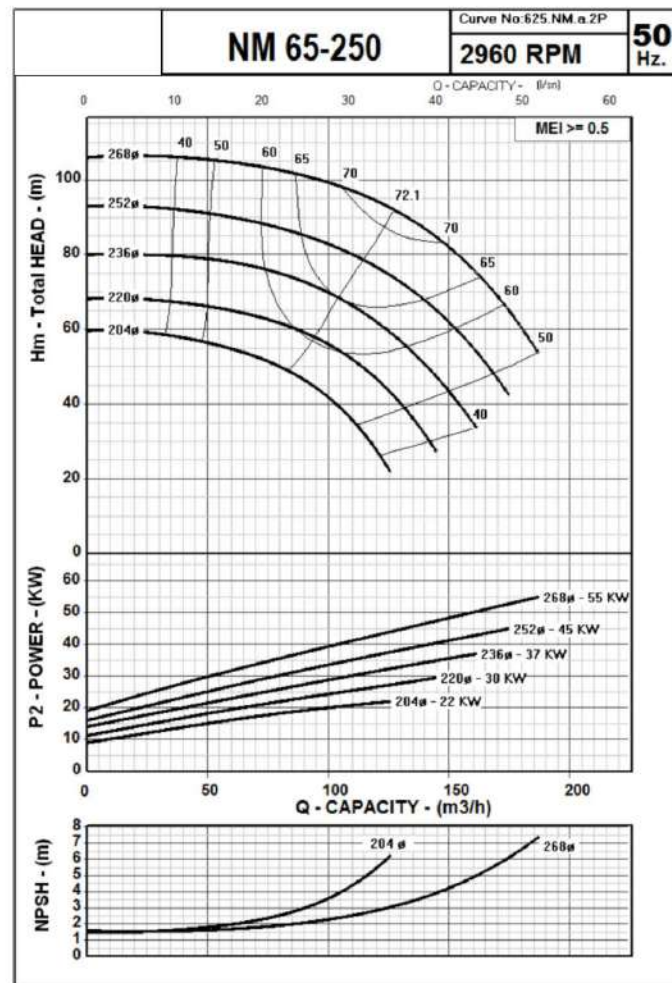
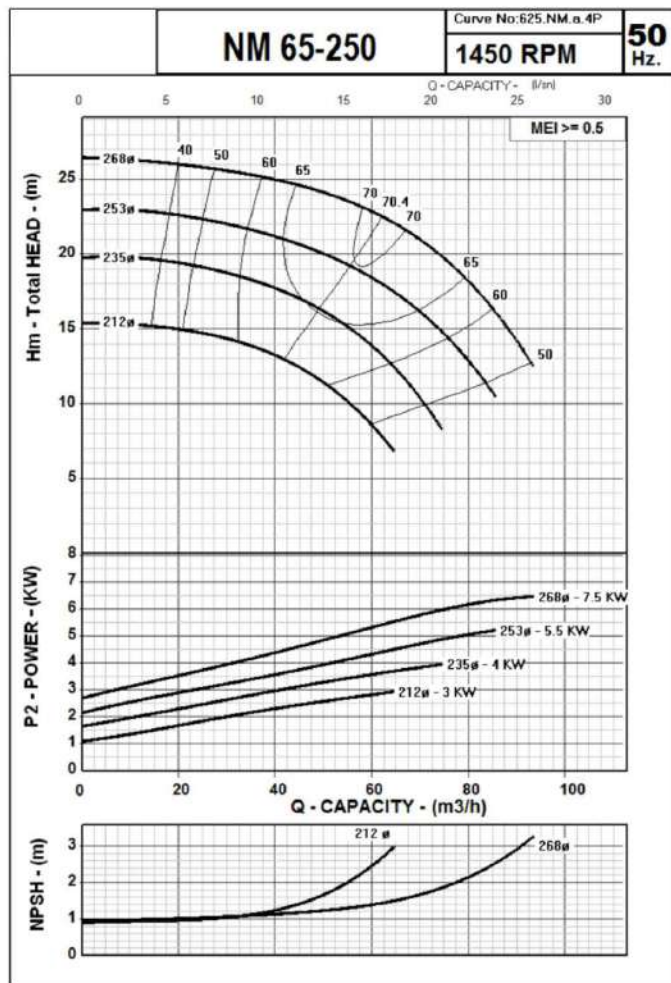
NM Series

End Suction Centrifugal Pumps

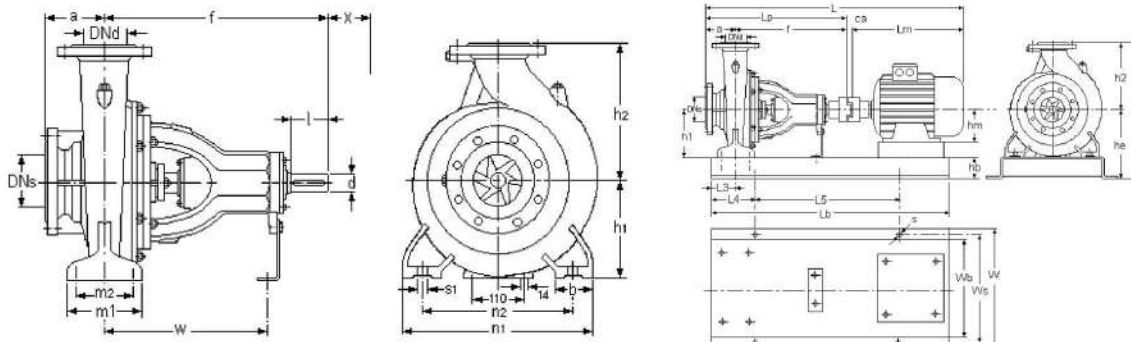
Performance Curves



NM 65-250



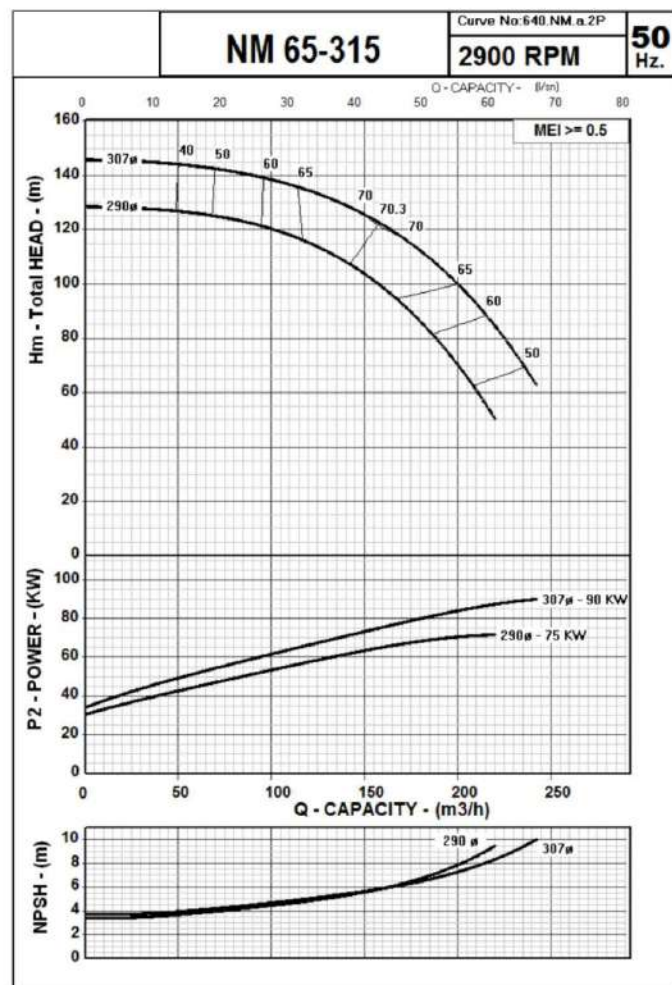
The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



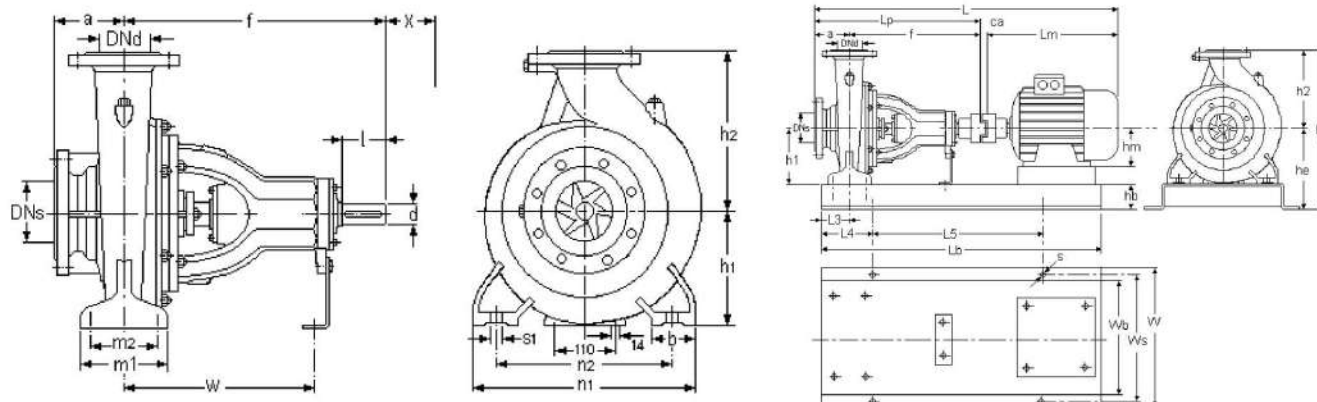
Pump Size	Flanges		Length		Height		Mounting Details										Shaft End		(°)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X	d	l	X	
65-250	80	65	100	470	200	250	80	160	120	360	280	M16	340	32	80	100	32	80	100	77.5

		MOTOR				PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S		
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
65-250	4 poles	3	100L	352	100	570	19	941	480	550	950	380	100	300	80	150	650	430	19		
		4	112M	395.5	112	570	19	984.5	480	550	950	380	100	300	80	150	650	430	19		
		5.5	132M	475.5	132	570	19	1064.5	480	550	1000	380	100	300	80	150	700	430	19		
		7.5	132M	475.5	132	570	27	1072.5	480	550	1050	380	100	300	80	150	750	430	19		
	2 poles	22	180M	629	180	570	27	1226	480	550	1150	380	100	300	80	150	850	430	19		
		30	200L	665	200	570	32	1267	520	550	1250	420	100	300	80	200	850	470	19		
		37	200L	665	200	570	32	1267	520	550	1250	420	100	300	80	200	850	470	19		
		45	225M	735	225	570	34	1339	600	595	1300	480	120	345	80	200	900	540	24		
		55	250M	886	250	570	34	1490	620	620	1400	500	120	370	80	200	1000	560	24		

Sistema Pumps reserves the right to change specifications without prior notice.

NM 65-315

The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(°)	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm	
65-315	80	65	125	470	225	280	80	160	120	400	315	M16	340	32	80	110	92

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S	
				mm	mm															mm
65-315	4 poles	7.5	132M	475.5	132	595	27	1097.5	520	605	1050	420	100	325	80	150	750	470	19	
		11	160M	576	160	595	27	1198	520	605	1100	420	100	325	80	150	800	470	19	
		15	160L	576	160	595	32	1203	520	605	1150	420	100	325	80	150	850	470	19	
	2 poles	55	250M	886	250	595	34	1515	620	650	1350	500	120	370	80	200	950	560	24	
		75	280S	907	280	595	43	1545	720	700	1450	600	140	420	80	200	1050	660	24	
		90	280M	958	280	595	43	1596	720	700	1500	600	140	420	80	200	1050	660	24	

Sistema Pumps reserves the right to change specifications without prior notice.

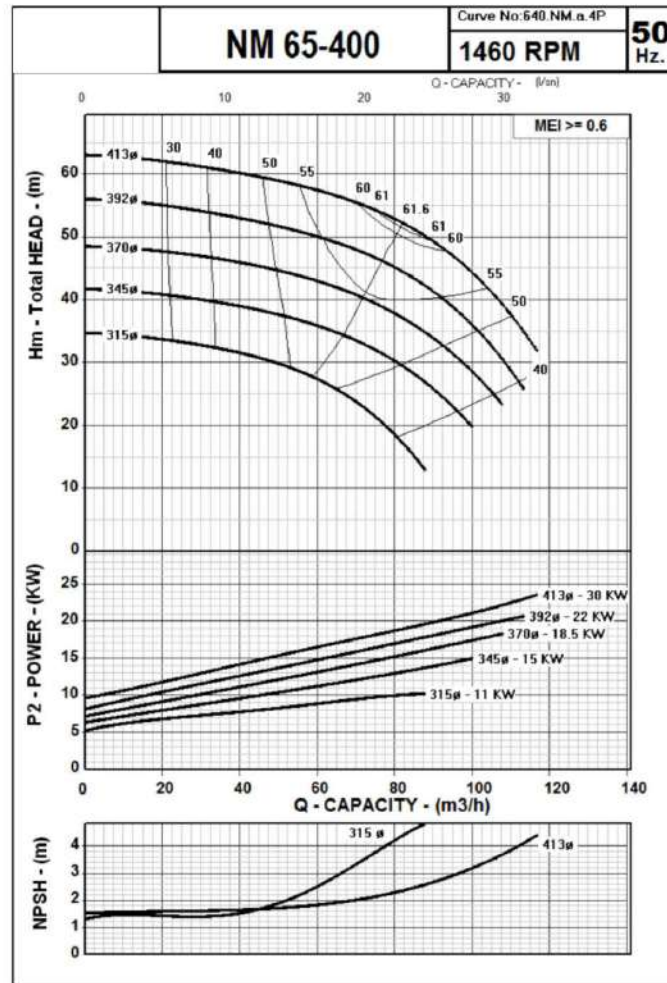
NM Series

End Suction Centrifugal Pumps

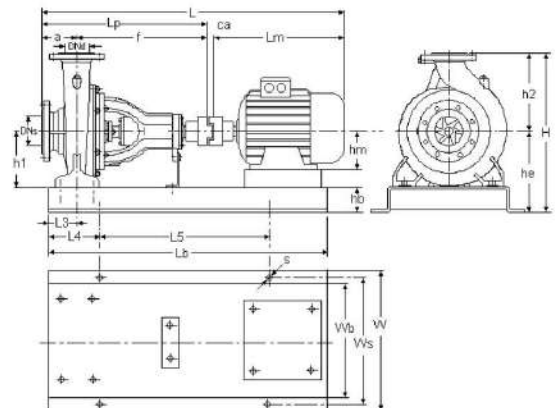
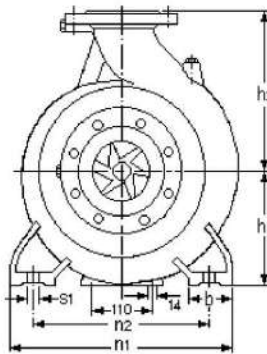
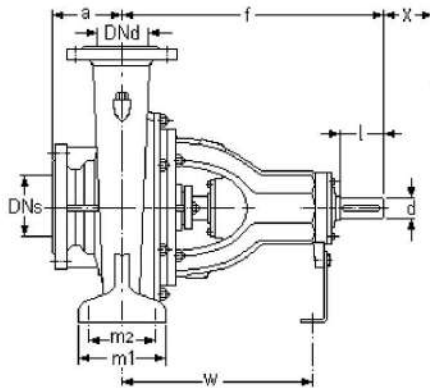
Performance Curves



NM 65-400



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(*)		Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm		
65-400	100	65	125	470	250	355	80	160	120	400	315	M16	340	32	80	110		125

		MOTOR				PUMP		GENERAL			BASE PLATE								
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
65-400	4 poles	11	160M	576	160	595	19	1190	520	705	1150	420	100	350	80	150	850	470	19
		15	160L	576	160	595	32	1203	520	705	1150	420	100	350	80	150	850	470	19
		18.5	180M	629	180	595	32	1256	520	705	1150	420	100	350	80	150	850	470	19
		22	180L	629	180	595	34	1258	520	705	1200	420	100	350	80	200	800	470	19
		30	200L	665	200	595	34	1294	520	705	1250	420	100	350	80	200	850	470	19

Sistema Pumps reserves the right to change specifications without prior notice.

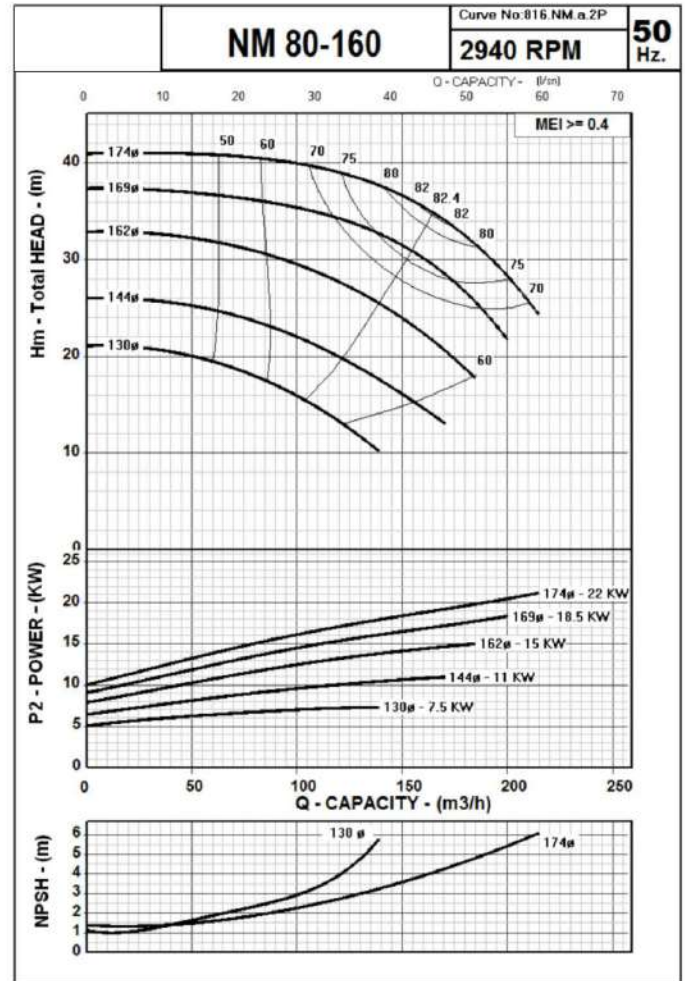
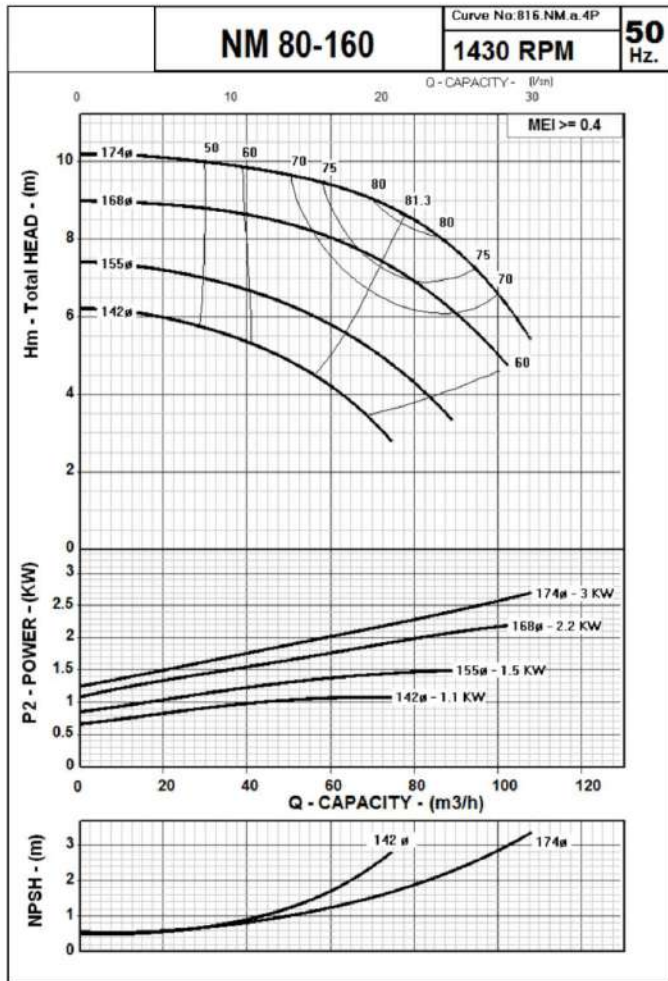
NM Series

End Suction Centrifugal Pumps

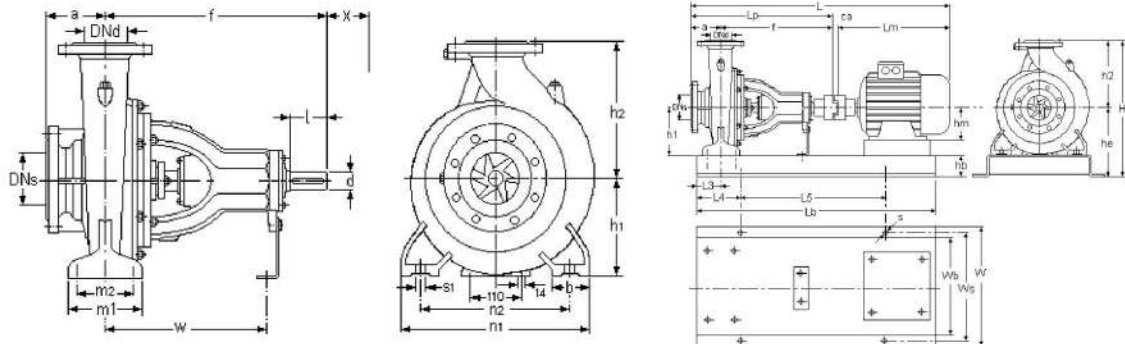
Performance Curves



NM 80-160



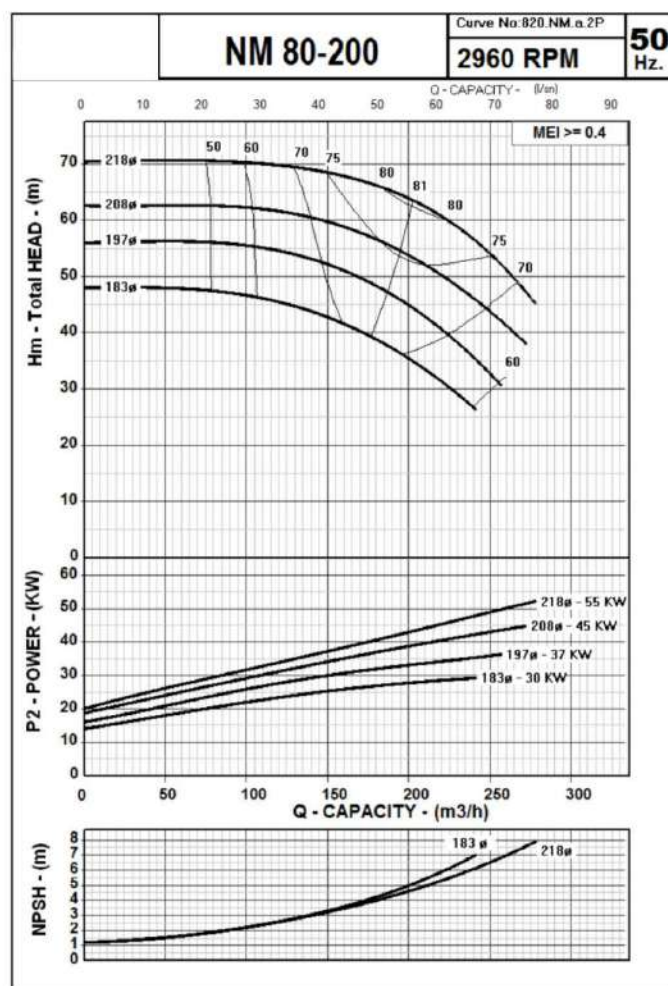
The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



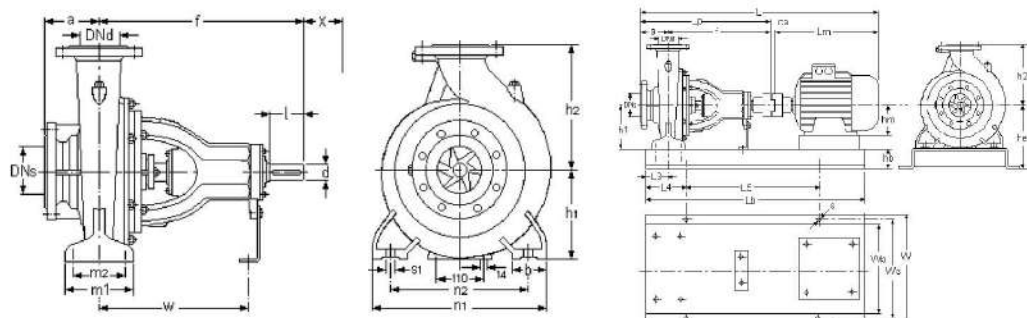
Pump Size	Flanges		Length		Height		Mounting Details								Shaft End		(°)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X		
80–160	100	80	125	360	180	225	65	125	95	320	250	M12	260	24	50	110	51	

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S	
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
80-160	4 poles	1.1	90L	316.5	90	485	17	818.5	440	485	750	340	80	260	63	100	550	390	19	
		1.5	90L	316.5	90	485	17	818.5	440	485	750	340	80	260	63	100	550	390	19	
		2.2	100L	352	100	485	19	856	440	485	800	340	80	260	63	100	600	390	19	
		3	100L	352	100	485	19	856	440	485	800	340	80	260	63	100	600	390	19	
	2 poles	7.5	132M	475.5	132	485	19	979.5	440	485	850	340	80	260	63	100	650	390	19	
		11	160M	576	160	485	19	1080	440	485	1000	340	80	260	63	150	700	390	19	
		15	160L	576	160	485	27	1088	440	485	1000	340	80	260	63	150	700	390	19	
		18.5	160L	576	160	485	27	1088	440	485	1050	340	80	260	63	150	750	390	19	
		22	180M	629	180	485	27	1141	480	505	1050	380	100	280	63	150	750	430	19	

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NM 80-200

The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A

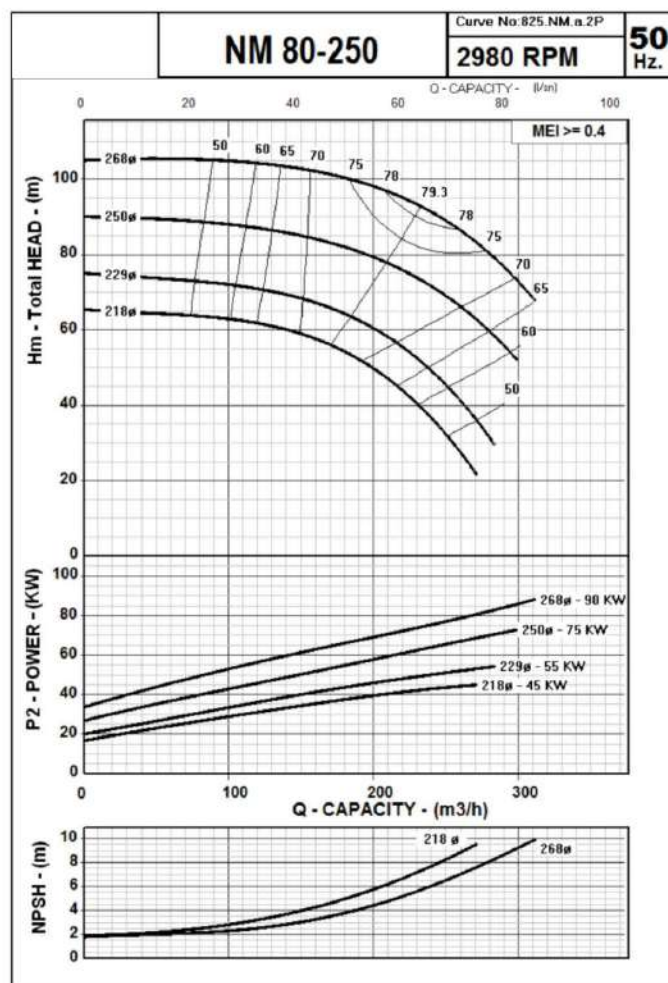
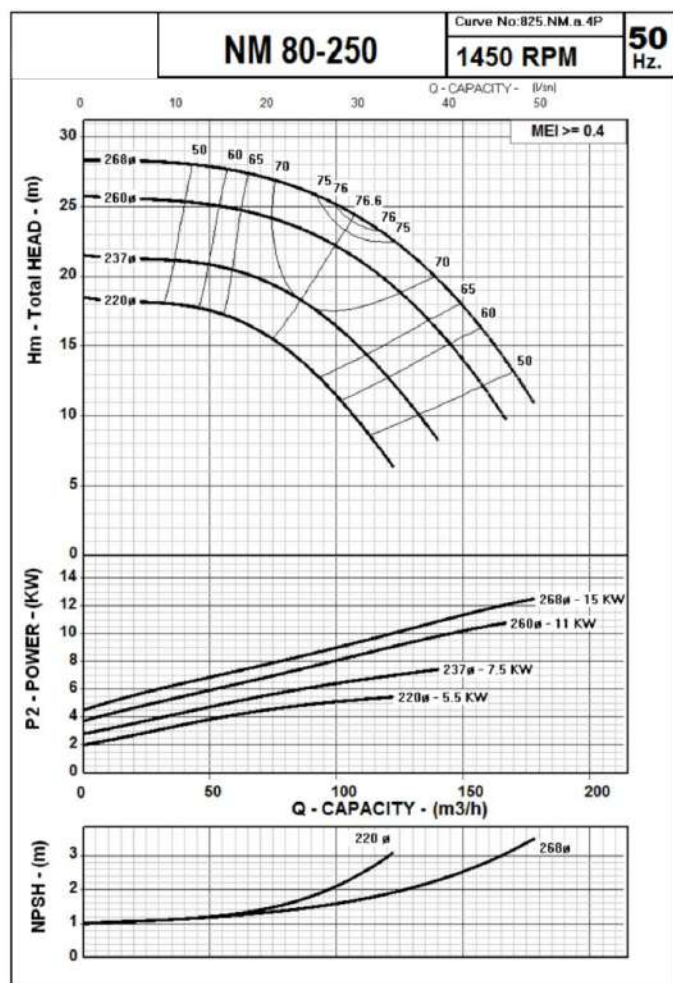


Pump Size	Flanges		Length		Height		Mounting Details								Shaft End		(°)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
80–200	100	80	125	470	180	250	65	125	95	345	280	M12	340	32	80	110	75.5	

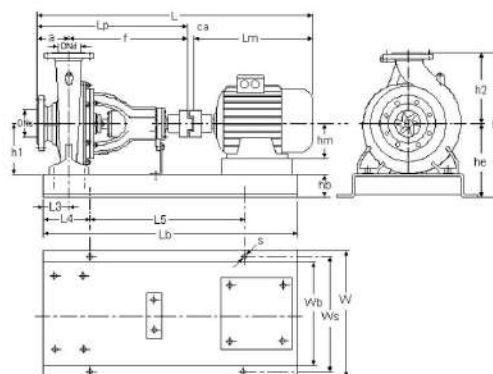
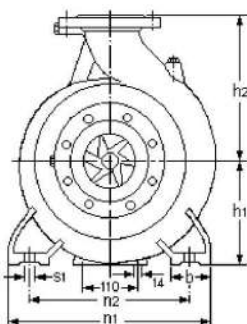
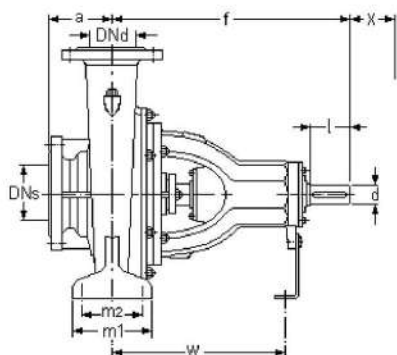
		MOTOR				PUMP		GENERAL			BASE PLATE								
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
80-200	4 poles	2.2	100L	352	100	595	19	966	460	510	900	360	80	260	63	150	600	410	19
		3	100L	352	100	595	19	966	460	510	900	360	80	260	63	150	600	410	19
		4	112M	395.5	112	595	19	1009.5	460	510	950	360	80	260	63	150	650	410	19
		5.5	132M	475.5	132	595	19	1089.5	460	510	950	360	80	260	63	150	650	410	19
		7.5	132M	475.5	132	595	27	1097.5	460	510	1000	360	80	260	63	150	700	410	19
	2 poles	22	180M	629	180	595	27	1251	480	530	1150	380	100	280	63	150	850	430	19
		30	200L	665	200	595	32	1292	520	550	1250	420	100	300	63	200	850	470	19
		37	200L	665	200	595	32	1292	520	550	1250	420	100	300	63	200	850	470	19
		45	225M	735	225	595	34	1364	580	595	1250	480	120	345	63	200	850	530	24
55		250M	886	250	595	34	1515	600	620	1350	500	120	370	63	200	950	550	24	

Sistema Pumps reserves the right to change specifications without prior notice.

Performance Curves

NM 80-250

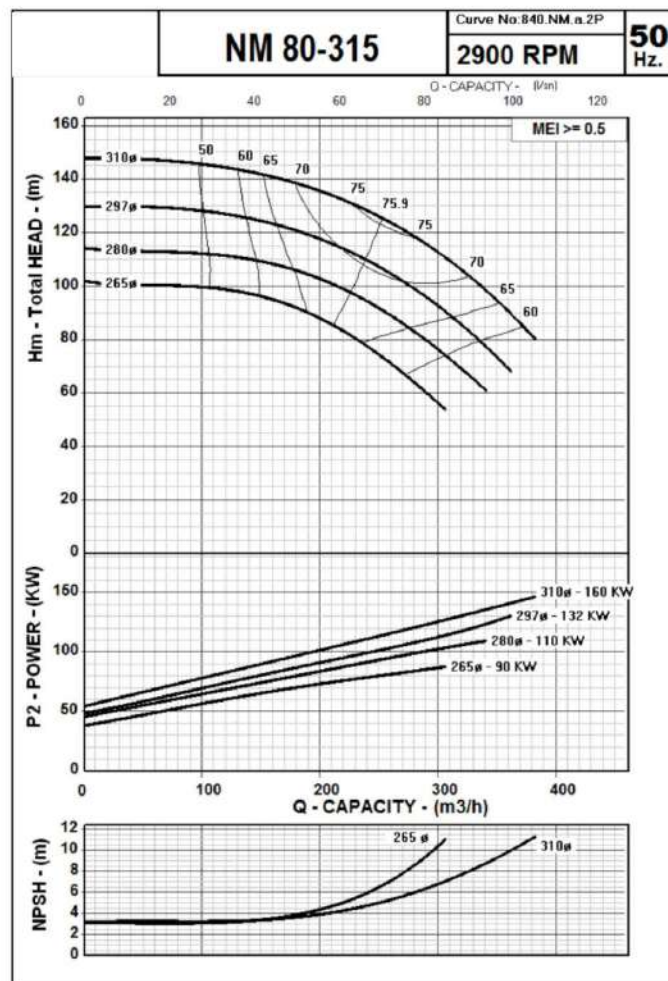
The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



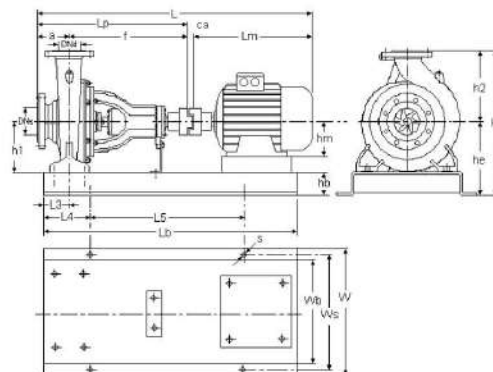
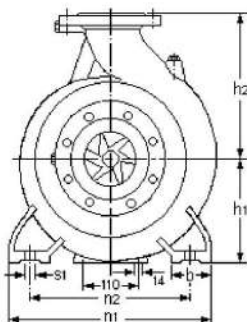
Pump Size	Flanges		Length		Height		Mounting Details								Shaft End		(*)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
80-250	100	80	125	470	200	280	80	160	120	400	315	M16	340	32	80	115	93	

		MOTOR				PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S		
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
80-250	4 poles	5.5	132M	475.5	132	595	19	1089.5	520	580	1000	420	100	300	80	150	700	470	19		
		7.5	132M	475.5	132	595	27	1097.5	520	580	1050	420	100	300	80	150	750	470	19		
		11	160M	576	160	595	27	1198	520	580	1100	420	100	300	80	150	800	470	19		
		15	160L	576	160	595	32	1203	520	580	1150	420	100	300	80	150	850	470	19		
	2 poles	45	225M	735	225	595	34	1364	580	625	1300	480	120	345	80	200	900	530	24		
		55	250M	886	250	595	34	1515	600	650	1400	500	120	370	80	200	1000	550	24		
		75	280S	907	280	595	43	1545	700	700	1450	600	140	420	80	200	1050	650	24		
		90	280M	958	280	595	43	1596	700	700	1500	600	140	420	80	200	1100	650	24		

Sistema Pumps reserves the right to change specifications without prior notice.

NM 80-315

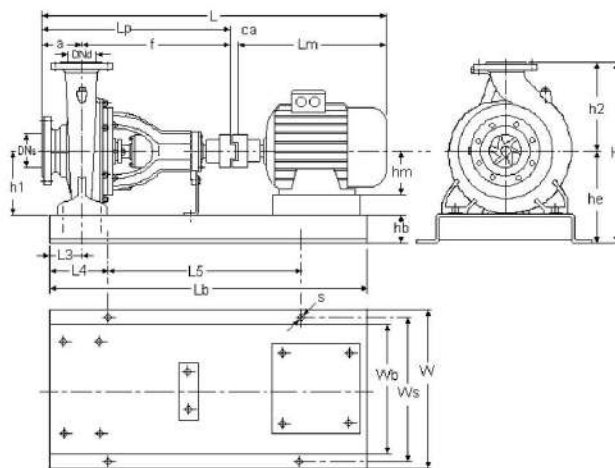
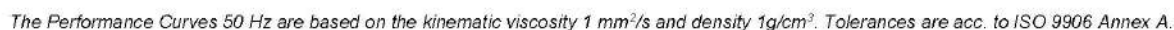
The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(°)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
80-315	100	80	125	470	250	315	80	160	120	400	315	M16	340	32	80	120	107

		MOTOR				PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S		
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
80-315	4 poles	11	160M	576	160	595	27	1198	520	665	1100	420	100	350	80	150	800	470	19		
		15	160L	576	160	595	32	1203	520	665	1200	420	100	350	80	200	800	470	19		
		18.5	180M	629	180	595	32	1256	520	665	1150	420	100	350	80	150	850	470	19		
		22	180L	629	180	595	34	1258	520	665	1200	420	100	350	80	200	800	470	19		
	2 poles	90	280M	958	280	595	43	1596	720	735	1500	600	140	420	80	200	1100	660	24		
		110	315S	1068	315	595	43	1706	770	790	1450	650	160	475	80	200	1050	650	24		
		132	315M	1120	315	595	43	1758	770	790	1550	650	160	475	80	200	1150	710	24		
		160	315M	1120	315	595	43	1758	770	790	1550	650	160	475	80	200	1150	710	24		

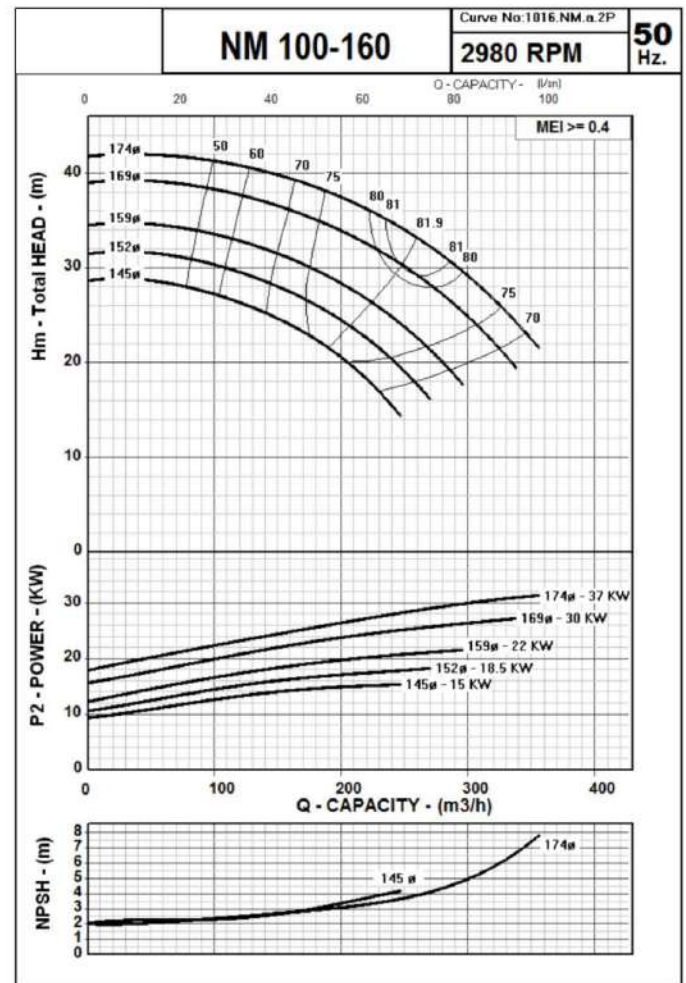
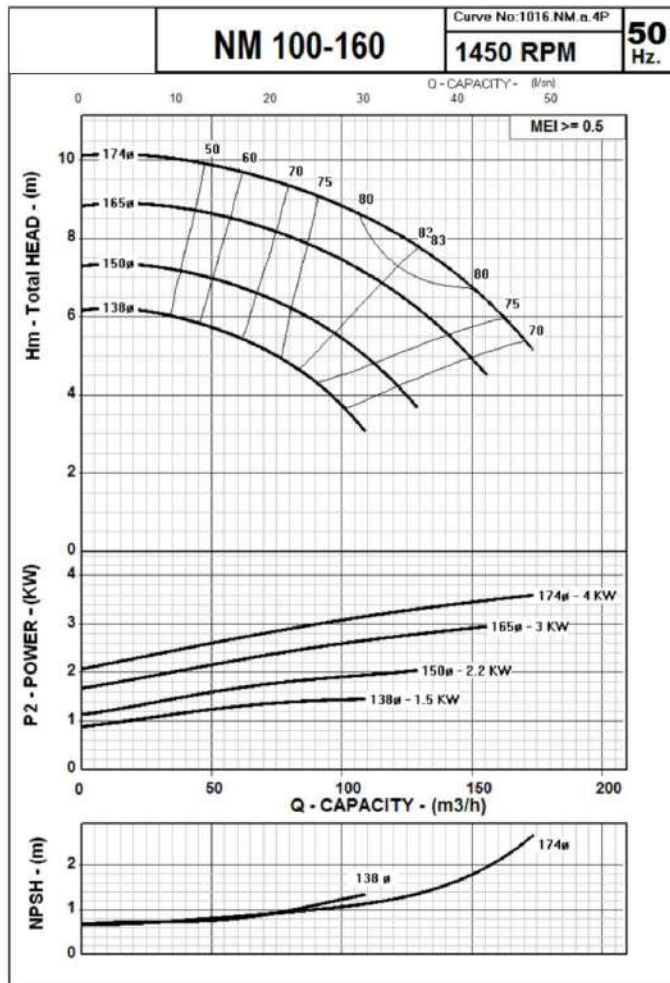
Sistema Pumps reserves the right to change specifications without prior notice.

NM 80-400

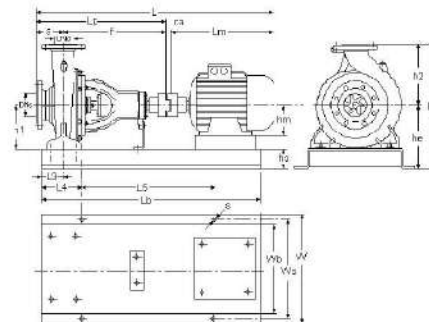
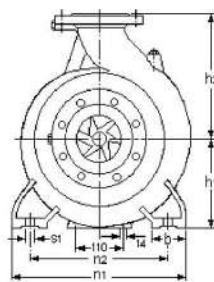
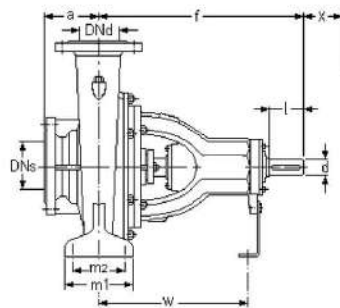
		MOTOR				PUMP		GENERAL			BASE PLATE								
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
80-400	4 poles	18.5	180M	629	180	655	32	1316	640	775	1300	520	140	420	100	200	900	580	24
		22	180L	629	180	655	34	1318	640	775	1300	520	140	420	100	200	900	580	24
		30	200L	665	200	655	34	1354	640	775	1350	520	140	420	100	200	950	580	24
		37	225M	765	225	655	43	1463	640	775	1350	520	140	420	100	200	950	580	24
		45	225M	765	225	655	43	1463	640	775	1450	520	140	420	100	200	1050	580	24

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NM 100-160



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details								Shaft End		(*)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
100-160	125	100	125	360	200	280	80	160	120	360	280	M16	260	24	50	120	-	

		MOTOR				PUMP		GENERAL			BASE PLATE								
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
100-160	4 poles	1.1	90L	316.5	90	485	19	820.5	480	580	750	380	100	300	80	100	550	430	19
		1.5	90L	316.5	90	485	19	820.5	480	580	800	380	100	300	80	100	600	430	19
		2.2	100L	352	100	485	19	856	480	580	850	380	100	300	80	150	550	430	19
		3	100L	352	100	485	19	856	480	580	850	380	100	300	80	150	550	430	19
		4	112M	395.5	112	485	19	899.5	480	580	850	380	100	300	80	150	550	430	19
	2 poles																		
		11	160M	576	160	485	19	1080	480	580	1000	380	100	300	80	150	700	430	19
		15	160L	576	160	485	27	1088	480	580	1000	380	100	300	80	150	700	430	19
		22	180M	629	180	485	27	1141	480	580	1050	380	100	300	80	150	750	430	19
		30	200L	665	200	485	32	1182	520	580	1150	420	100	300	80	150	850	470	19
	37	200L	665	200	485	32	1182	520	580	1150	420	100	300	80	150	850	470	19	

Sistema Pumps reserves the right to change specifications without prior notice.

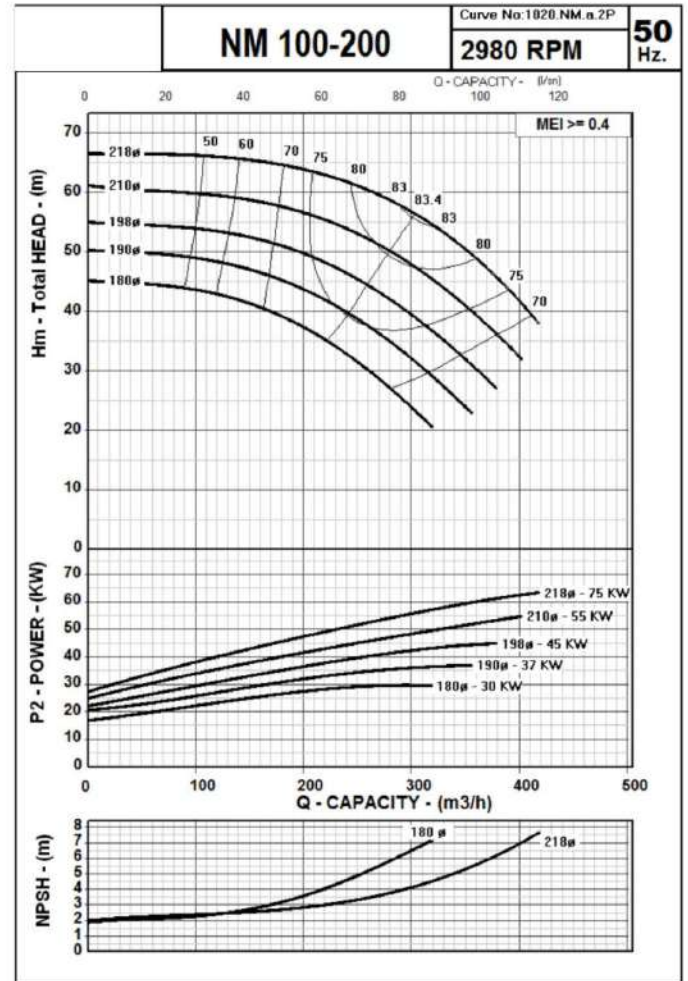
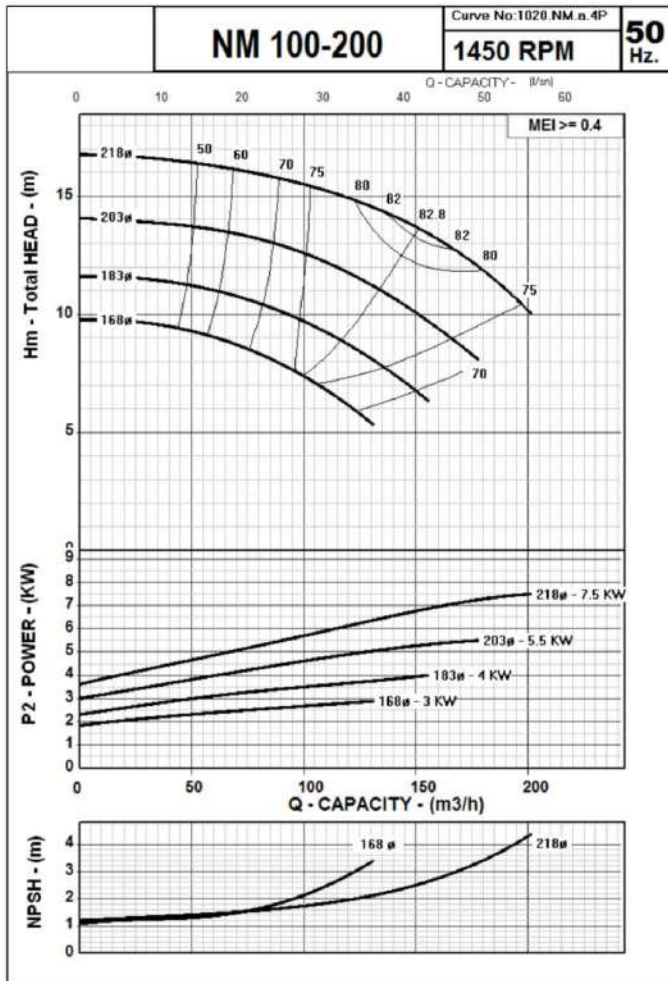
NM Series

End Suction Centrifugal Pumps

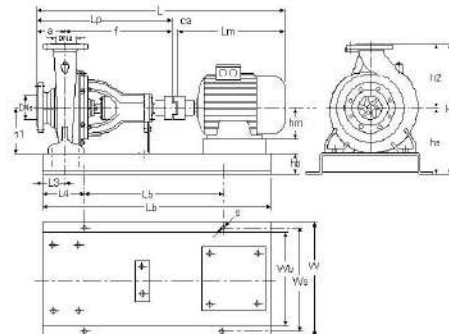
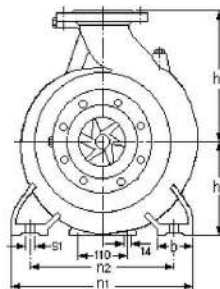
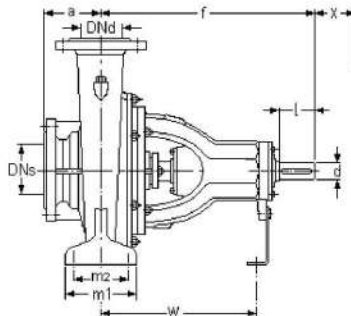
Performance Curves



NM 100-200



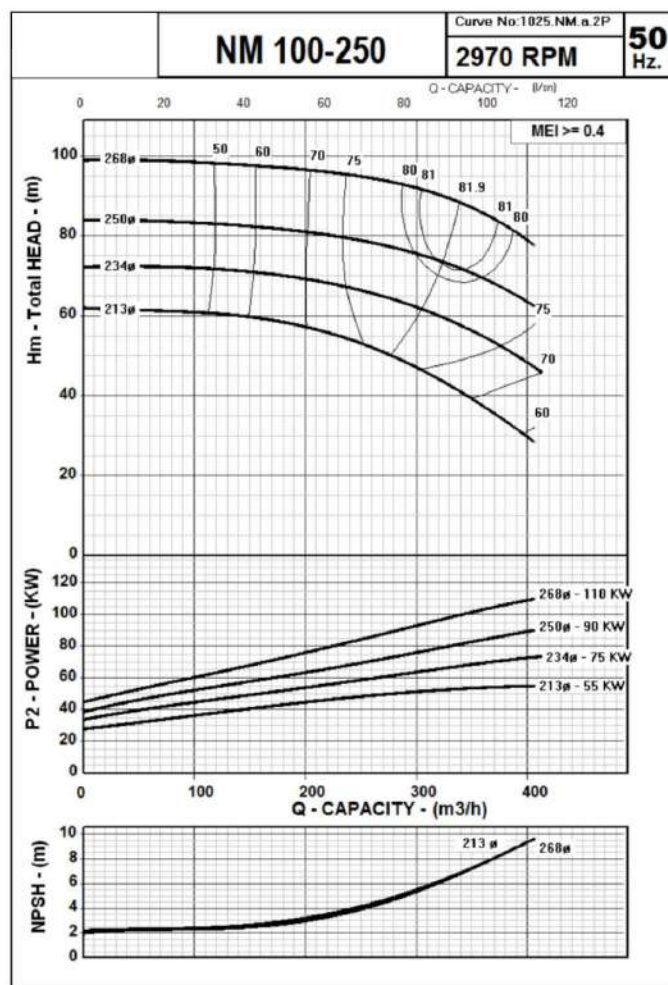
The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



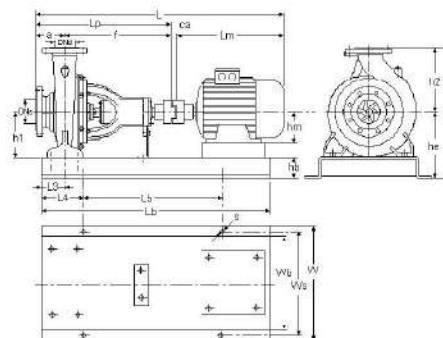
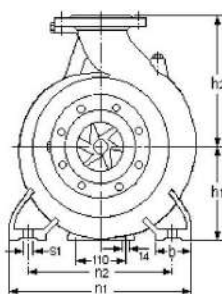
Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(*)	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm	
100-200	125	100	125	470	200	280	80	160	120	360	280	M16	340	32	80	120	83

		MOTOR		PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
100-200	4 poles	3	100L	352	100	595	19	966	480	580	950	380	100	300	80	150	650	430	19
		4	112M	395.5	112	595	19	1009.5	480	580	950	380	100	300	80	150	650	430	19
		5.5	132M	475.5	132	595	19	1089.5	480	580	1000	380	100	300	80	150	700	430	19
		7.5	132M	475.5	132	595	27	1097.5	480	580	1050	380	100	300	80	150	750	430	19
	2 poles	30	200L	665	200	595	27	1287	520	580	1250	420	100	300	80	200	850	430	19
		37	200L	665	200	595	27	1287	520	580	1250	420	100	300	80	200	850	430	19
		45	225M	735	225	595	34	1364	600	625	1300	480	120	345	80	200	900	540	24
		55	250M	886	250	595	34	1515	620	650	1400	500	120	370	80	200	1000	560	24
		75	280S	907	280	595	43	1545	720	700	1450	600	140	420	80	200	1050	660	24

Sistema Pumps reserves the right to change specifications without prior notice.

NM 100-250

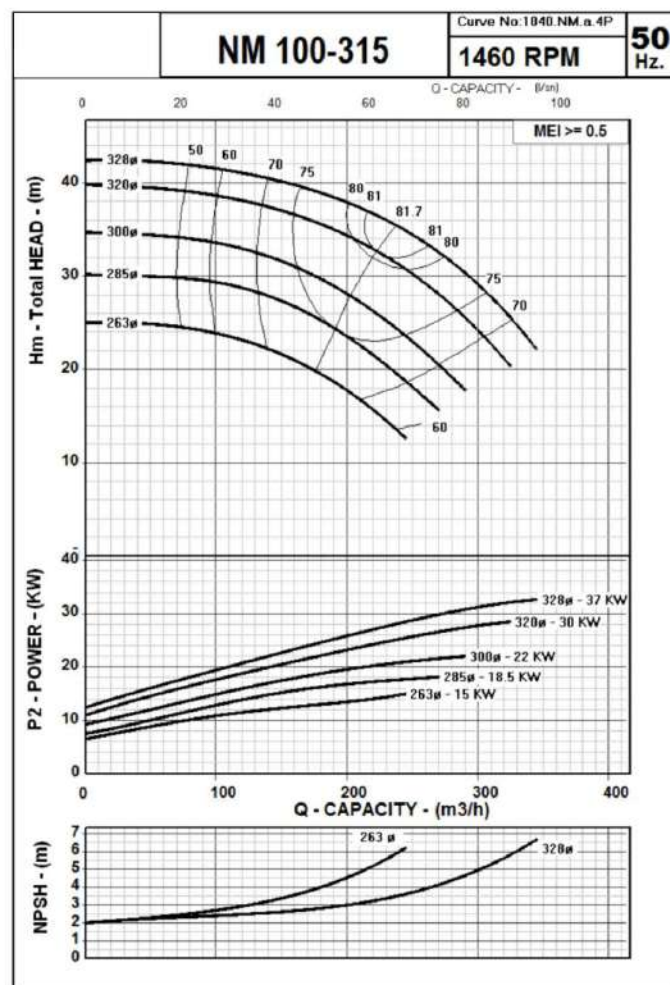
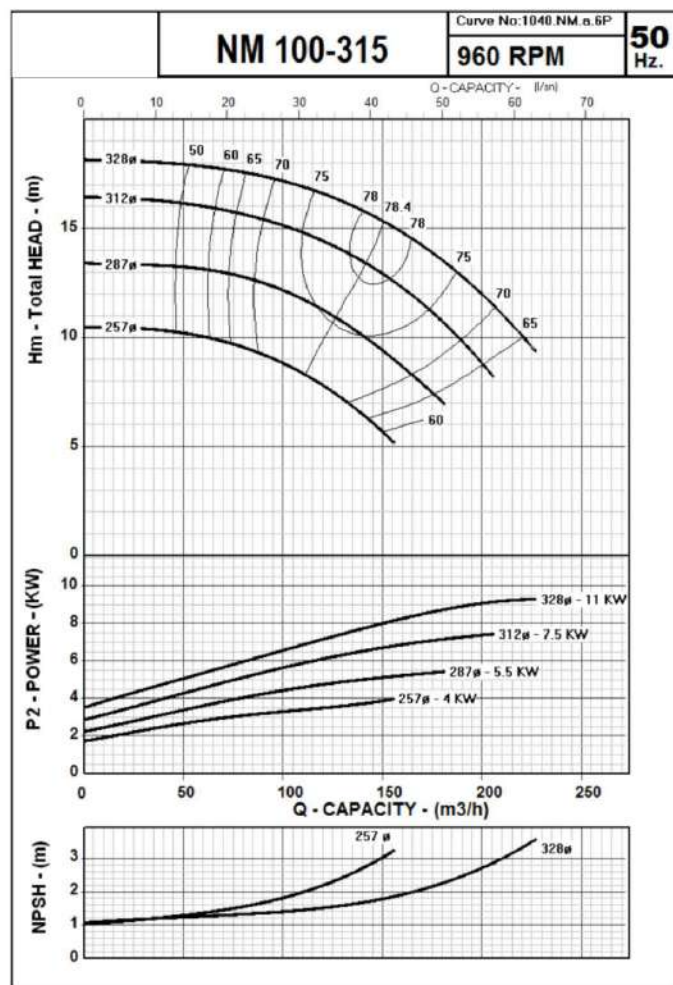
Technical drawing of a mechanical part, likely a valve or fitting, showing dimensions B, f, X, DNd, DNs, m1, m2, W, and d.



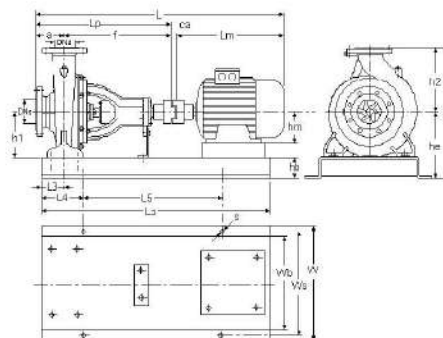
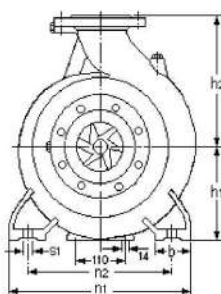
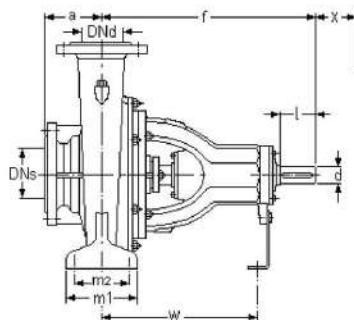
Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(*)	Weight kg
	DN _s mm	DN _d mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm	
100-250	125	100	140	470	225	280	80	160	120	400	315	M16	340	32	80	130	95

[illegible]

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NM 100-315

The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(*)	Weight kg
	DN _s mm	DN _d mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm	
100-315	125	100	140	470	250	315	80	160	120	400	315	M16	340	32	80	130	110

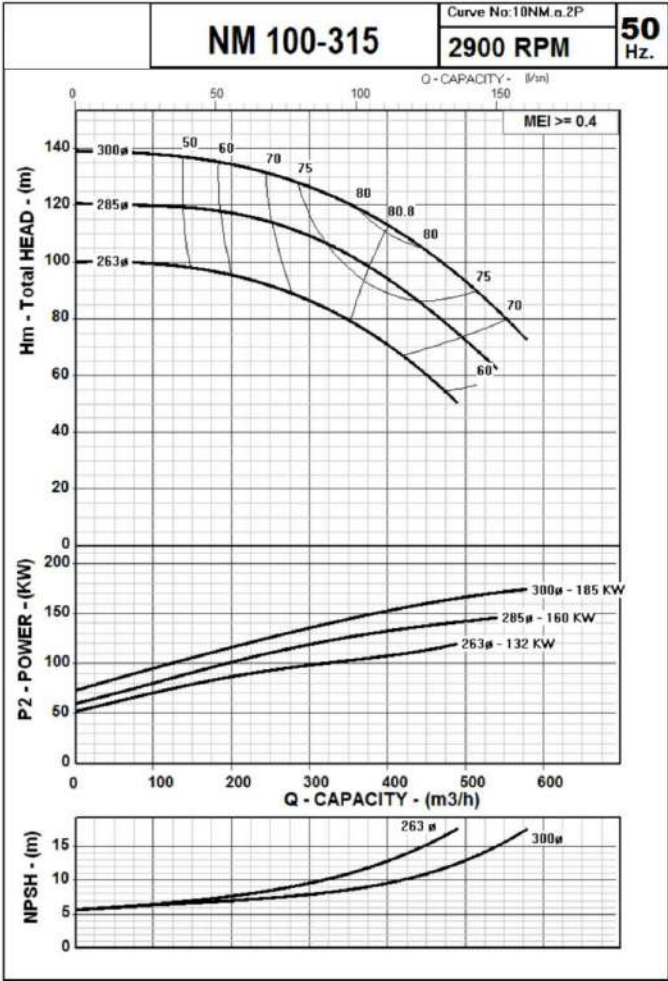
		MOTOR				PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S		
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
100-315	6 poles	4	132M	475.5	132	610	19	1104.5	520	665	1050	420	100	350	80	150	750	470	19		
		5.5	132M	475.5	132	610	19	1104.5	520	665	1050	420	100	350	80	150	750	470	19		
		7.5	132M	475.5	132	610	27	1112.5	520	665	1150	420	100	350	80	150	850	470	19		
		11	160L	576	160	610	27	1213	520	665	1150	420	100	350	80	150	850	470	19		
	4 poles	15	160L	576	160	610	32	1218	520	665	1150	420	100	350	80	150	850	470	19		
		18.5	180M	629	180	610	32	1271	520	665	1150	420	100	350	80	150	850	470	19		
		22	180L	629	180	610	34	1273	520	665	1200	420	100	350	80	150	900	470	19		
		30	200L	665	200	610	34	1309	520	665	1250	420	100	350	80	200	850	470	19		
		37	225M	765	225	610	43	1418	600	685	1300	480	120	370	80	200	900	540	22		

Sistema Pumps reserves the right to change specifications without prior notice.

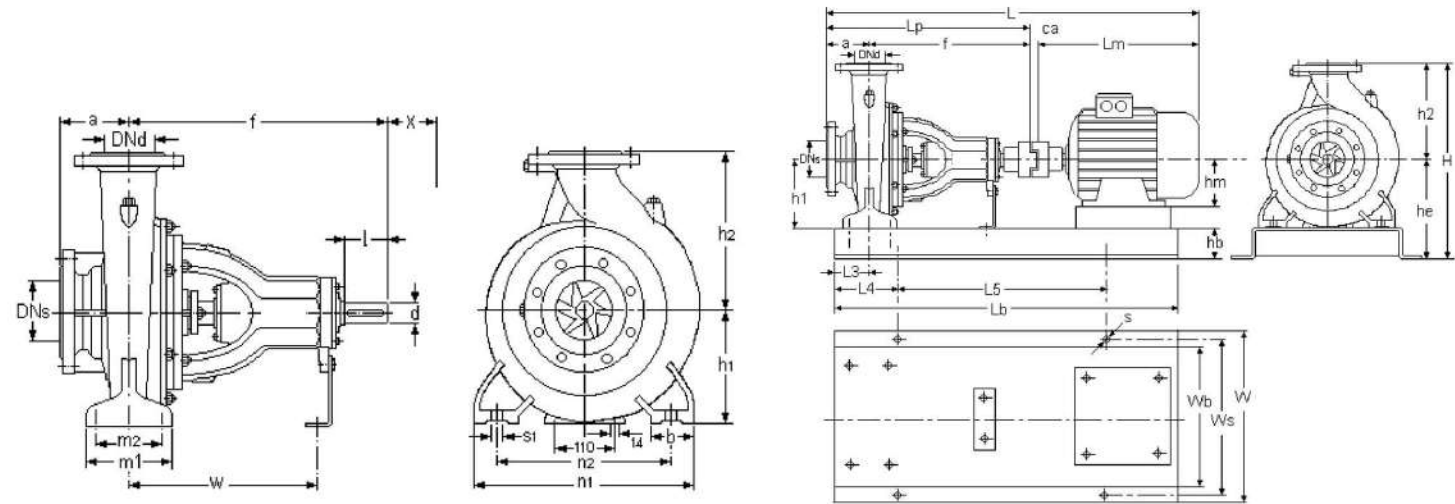
NM Series
End Suction Centrifugal Pumps
Performance Curves



NM 100-315



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(°)		Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm		
100-315	125	100	140	470	250	315	80	160	120	400	315	M16	340	32	80	130		110

		MOTOR		PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
100-315	2 poles	132	315M	1120	315	610	43	1773	770	790	1550	650	160	475	80	200	1150	710	24
		160	315M	1120	315	610	43	1773	770	790	1550	650	160	475	80	200	1150	710	24
		185	315L	1190	315	610	43	1843	770	790	1600	650	160	475	80	200	1200	710	24

Sistema Pumps reserves the right to change specifications without prior notice.

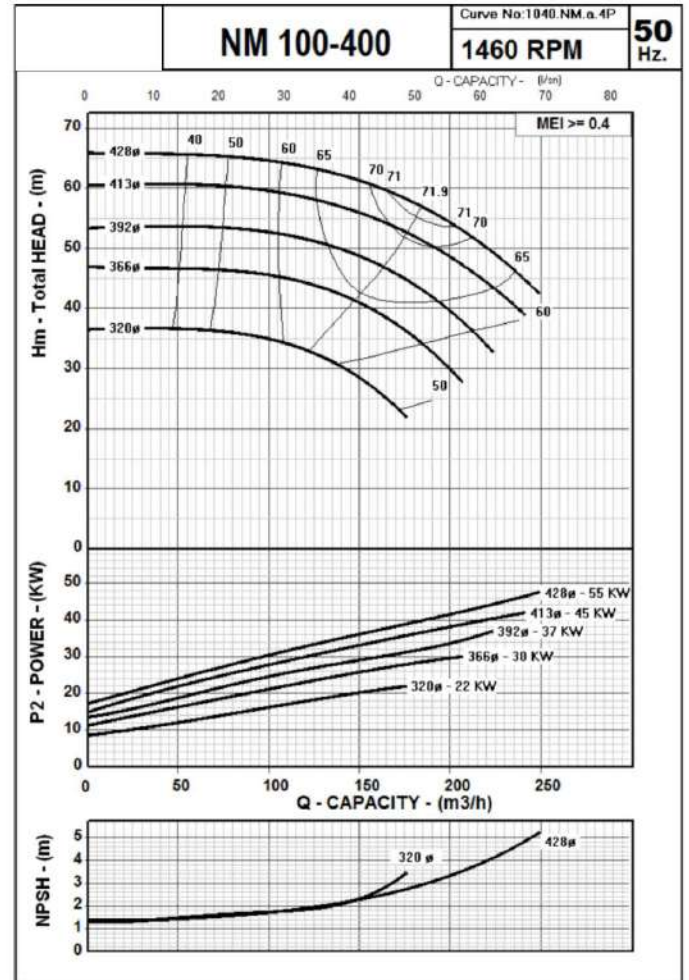
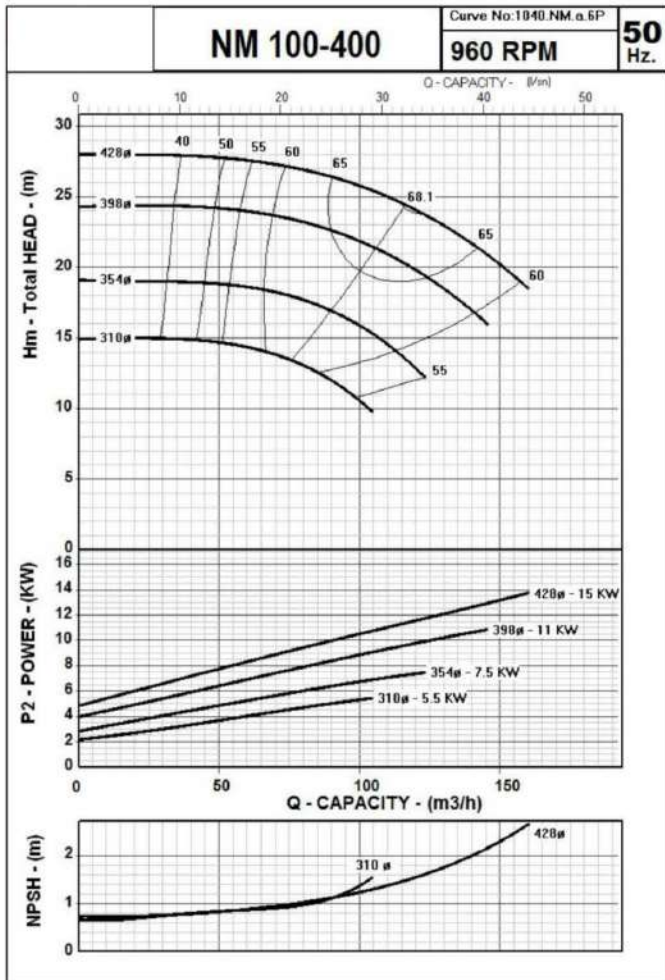
NM Series

End Suction Centrifugal Pumps

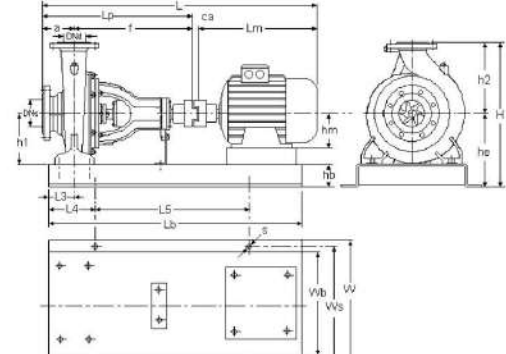
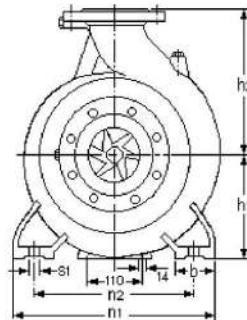
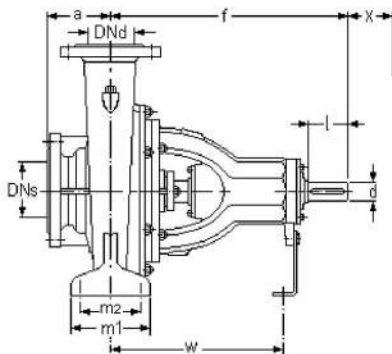
Performance Curves



NM 100-400



The Performance Curves 50 Hz are based on the kinematic viscosity $1 \text{ mm}^2/\text{s}$ and density 1 g/cm^3 . Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(°) X	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm		
100-400	125	100	140	530	280	355	100	200	150	500	400	M20	370	42	110	130	168

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S	
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
100-400	6 poles	5.5	132M	475.5	132	670	19	1164.5	640	775	1100	520	140	420	100	150	800	580	24	
		7.5	132M	475.5	132	670	27	1172.5	640	775	1250	520	140	420	100	200	850	580	24	
		11	160L	576	160	670	27	1273	640	775	1250	520	140	420	100	200	850	580	24	
		15	180L	629	180	670	32	1331	640	775	1300	520	140	420	100	200	900	580	24	
	4 poles	22	180L	629	180	670	34	1333	640	775	1300	520	140	420	100	200	900	580	24	
		30	200L	665	200	670	34	1369	640	775	1350	520	140	420	100	200	950	580	24	
		37	225M	765	225	670	43	1478	640	775	1400	520	140	420	100	200	950	580	24	
		45	225M	765	225	670	43	1478	640	775	1400	520	140	420	100	200	1000	580	24	
		55	250M	886	250	670	43	1599	640	775	1450	520	140	420	100	200	1050	580	24	

Sistema Pumps reserves the right to change specifications without prior notice.

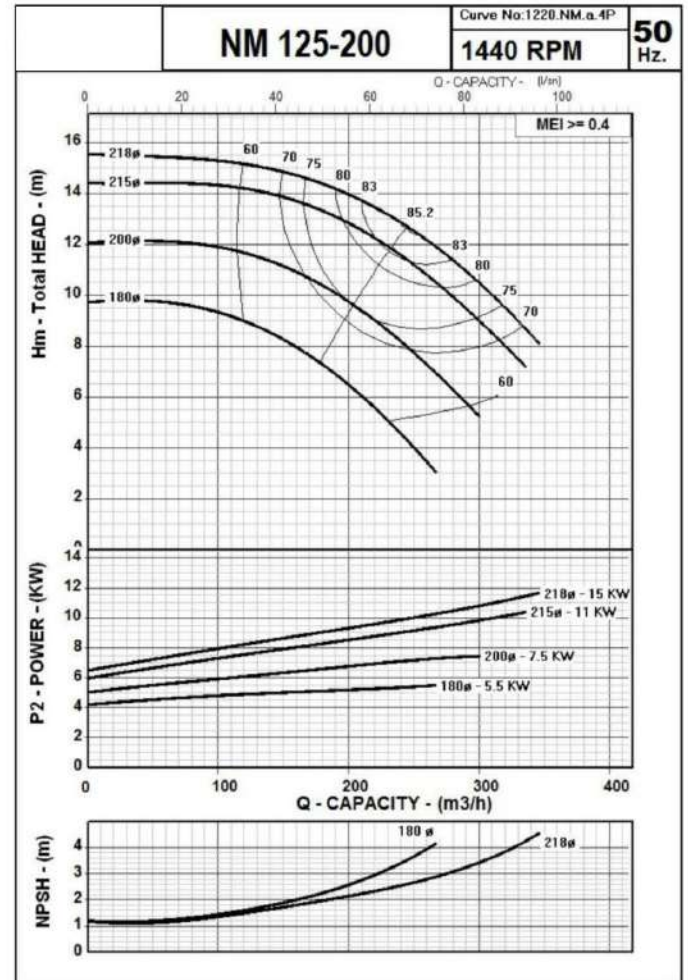
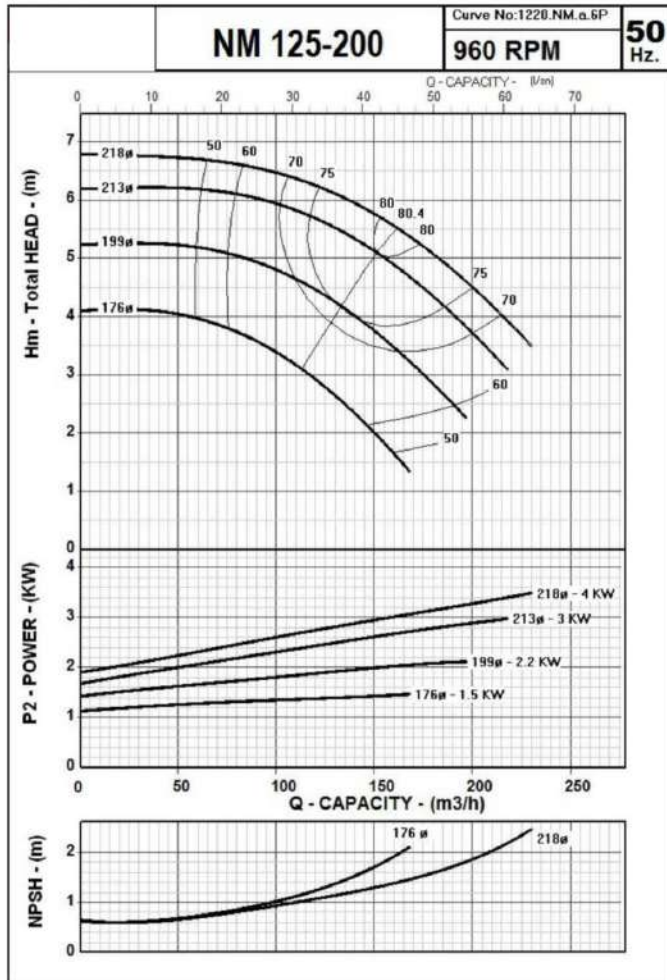
NM Series

End Suction Centrifugal Pumps

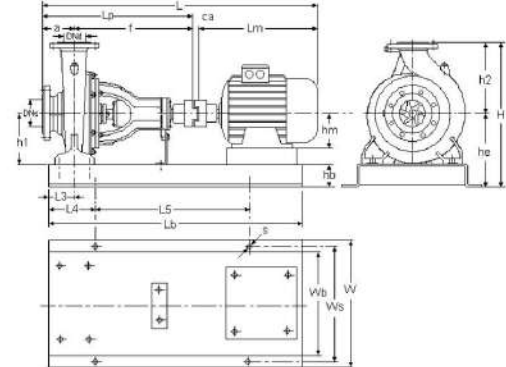
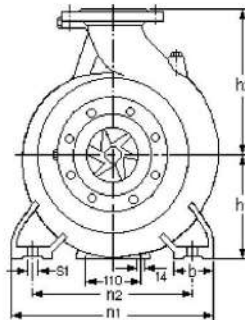
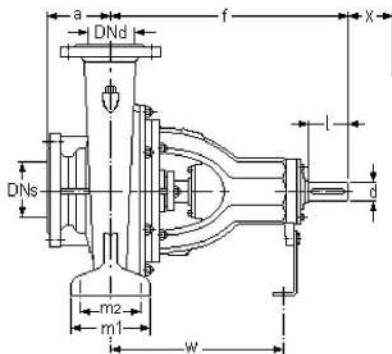
Performance Curves



NM 125-200



The Performance Curves 50 Hz are based on the kinematic viscosity $1 \text{ mm}^2/\text{s}$ and density 1 g/cm^3 . Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		([°])	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X	
125–200	150	125	140	470	250	315	80	160	120	400	315	M16	340	32	80	130	106.5

		MOTOR		PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
125-200	6 poles	1.5	100L	352	100	610	17	979	520	665	950	420	100	350	80	150	650	470	19
		2.2	112M	395.5	112	610	19	1024.5	520	665	950	420	100	350	80	150	650	470	19
		3	132M	475.5	132	610	19	1104.5	520	665	1000	420	100	350	80	150	700	470	19
		4	132M	475.5	132	610	19	1104.5	520	665	1000	420	100	350	80	150	700	470	19
	4 poles	5.5	132M	475.5	132	610	19	1104.5	520	665	1000	420	100	350	80	150	700	470	19
		7.5	132M	475.5	132	610	27	1112.5	520	665	1050	420	100	350	80	150	750	470	19
		11	160M	576	160	610	27	1213	520	665	1150	420	100	350	80	150	800	470	19
		15	160L	576	160	610	32	1218	520	665	1150	420	100	350	80	150	850	470	19

Sistema Pumps reserves the right to change specifications without prior notice.

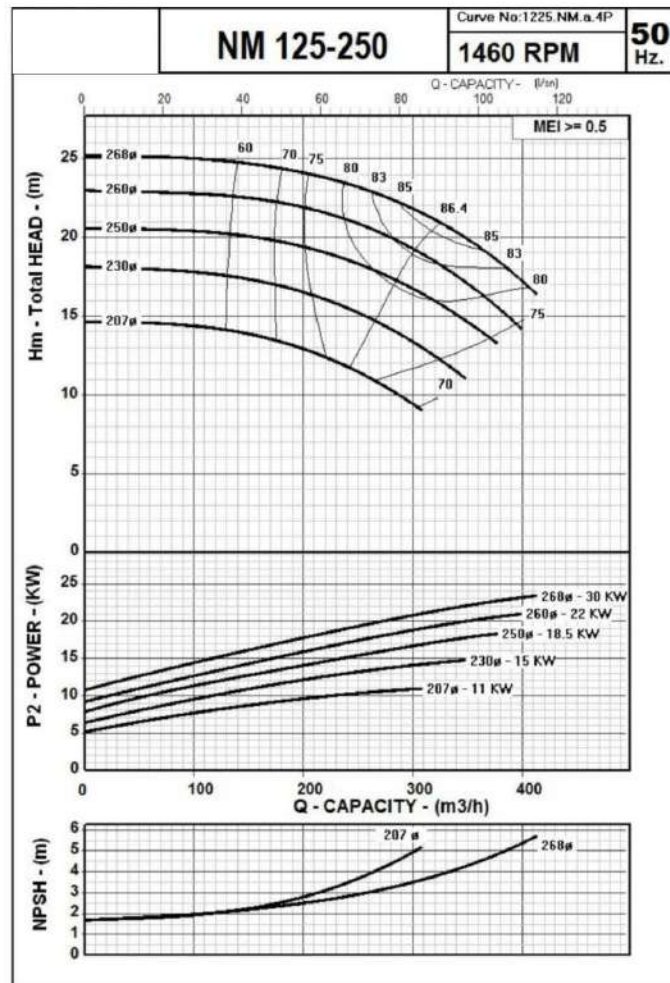
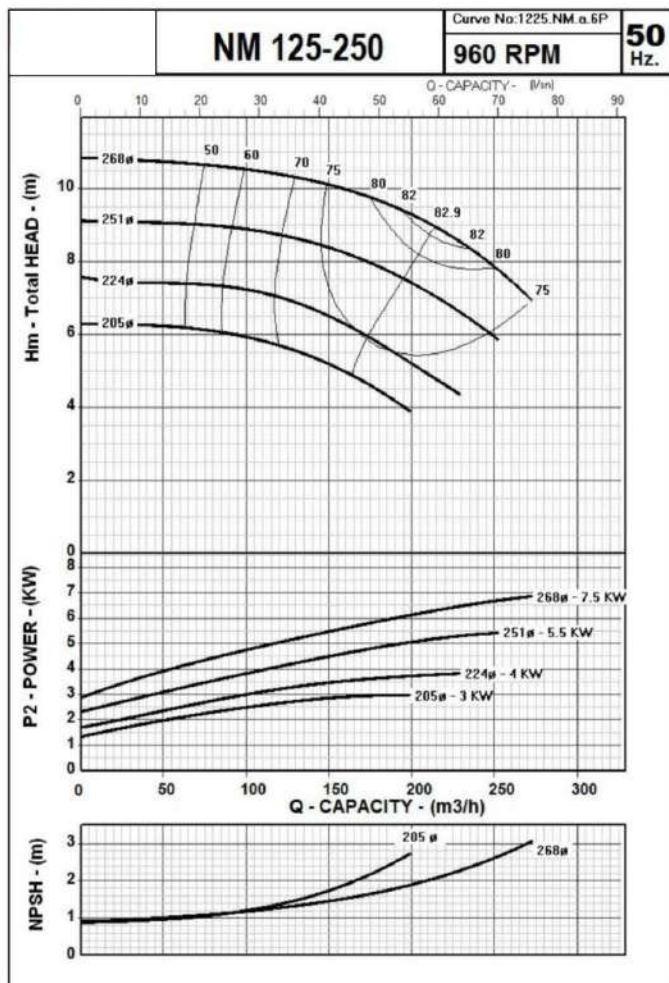
NM Series

End Suction Centrifugal Pumps

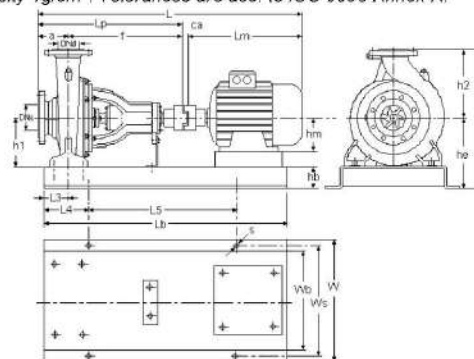
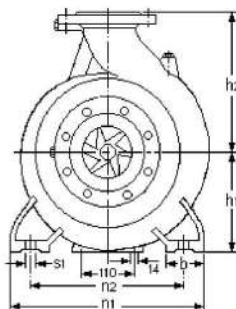
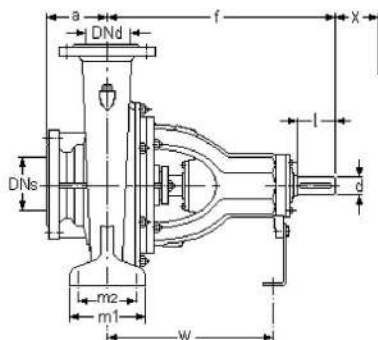
Performance Curves

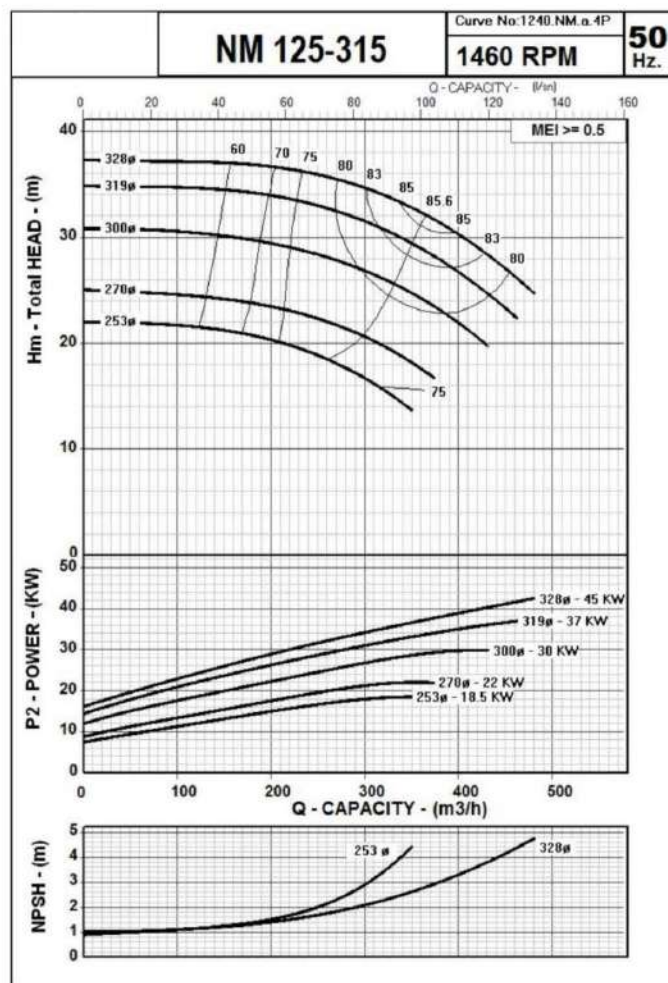
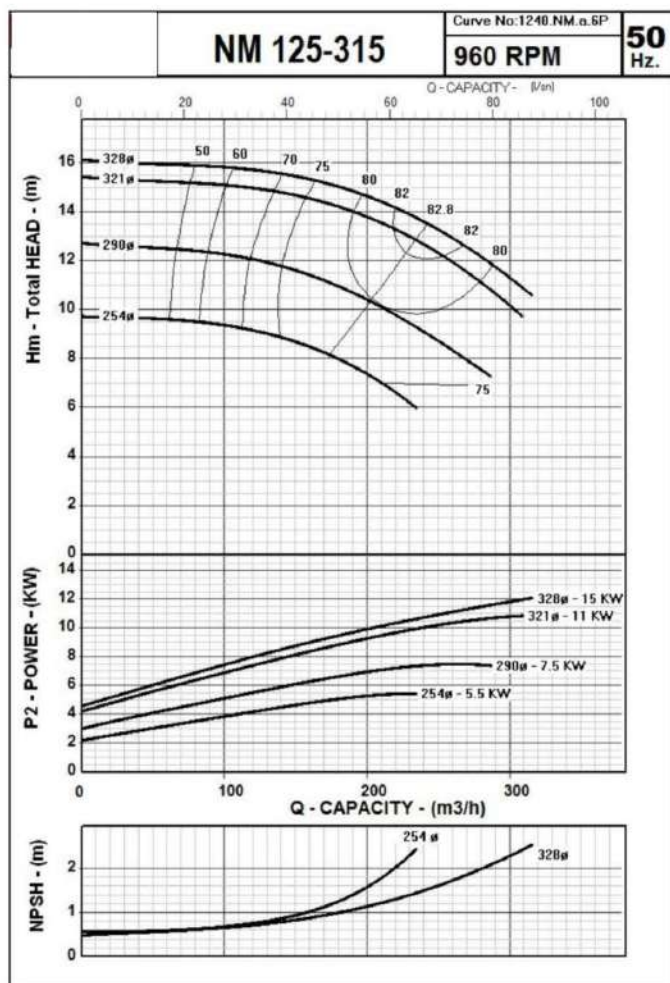


NM 125-250

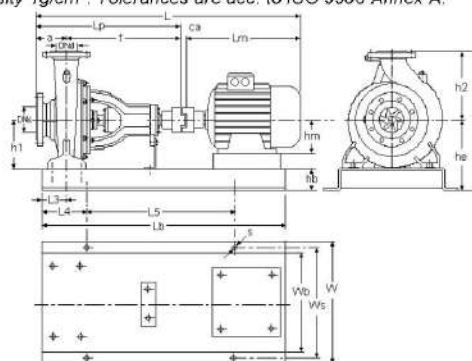
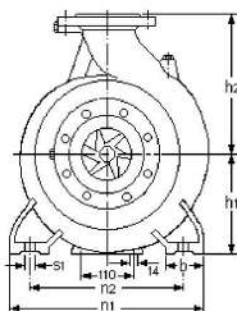
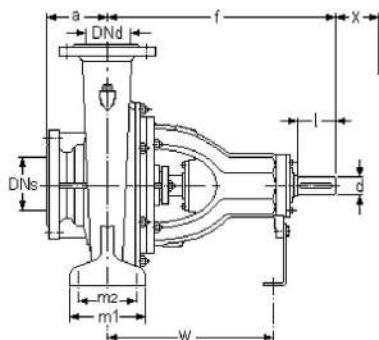


The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



NM 125-315

The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(°)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X	
125-315	150	125	140	530	280	355	100	200	150	500	400	M20	370	42	110	140	166.5

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S	
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
125-315	6 poles	5.5	132M	475.5	132	670	19	1164.5	640	775	1100	520	140	420	100	150	800	580	24	
		7.5	160M	576	160	670	27	1273	640	775	1250	520	140	420	100	200	850	580	24	
		11	160L	576	160	670	27	1273	640	775	1250	520	140	420	100	200	850	580	24	
		15	180L	629	180	670	32	1331	640	775	1300	520	140	420	100	200	900	580	24	
	4 poles	18.5	180M	629	180	670	32	1331	640	775	1250	520	140	420	100	200	850	580	24	
		22	180L	629	180	670	34	1333	640	775	1300	520	140	420	100	200	850	580	24	
		30	200L	665	200	670	34	1369	640	775	1350	520	140	420	100	200	950	580	24	
		37	225M	765	225	670	43	1478	640	775	1350	520	140	420	100	200	950	580	24	
		45	225M	765	225	670	43	1478	640	775	1400	520	140	420	100	200	1000	580	24	

Sistema Pumps reserves the right to change specifications without prior notice.

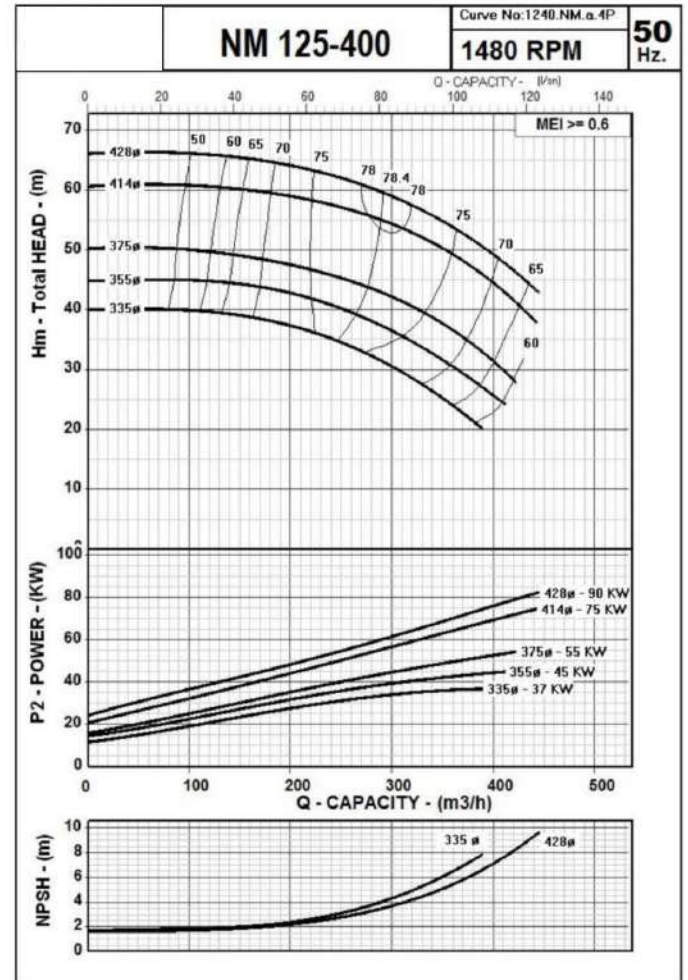
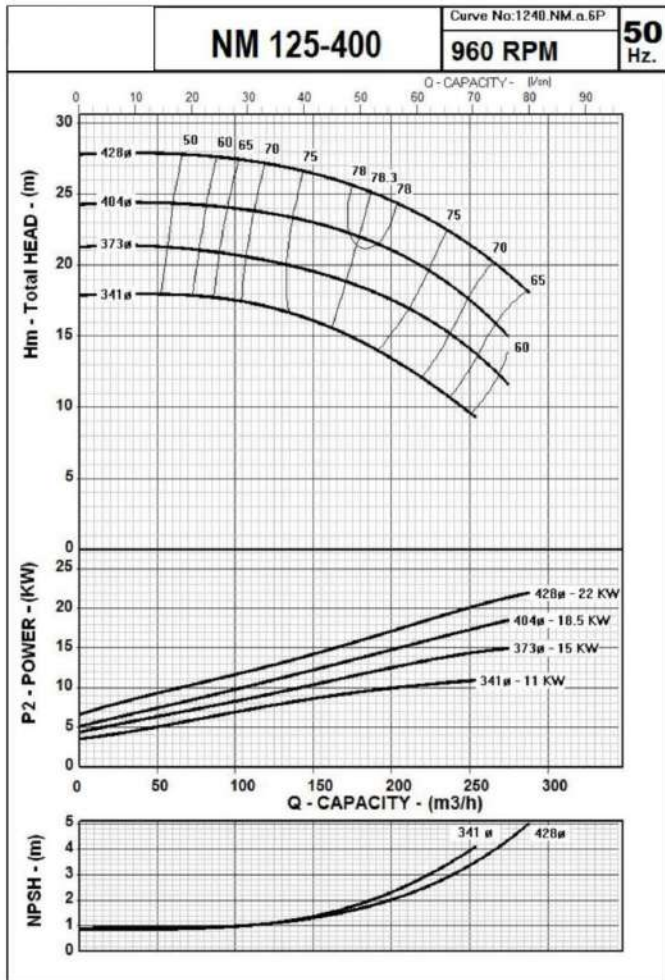
NM Series

End Suction Centrifugal Pumps

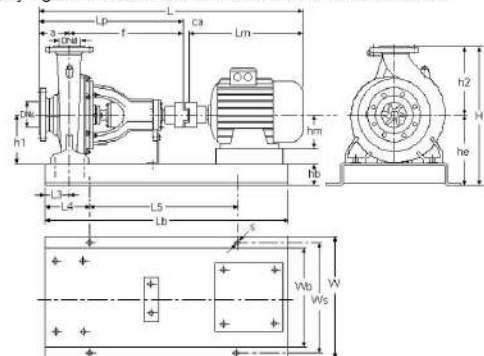
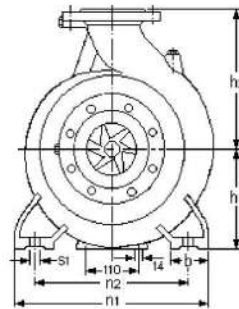
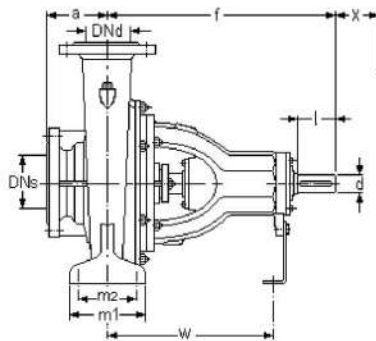
Performance Curves

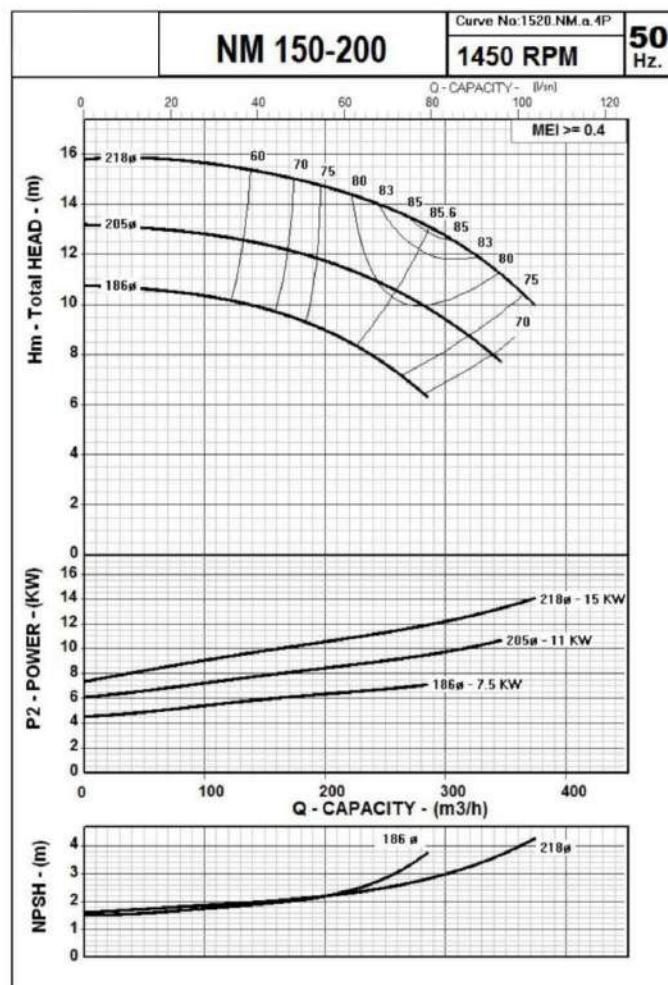


NM 125-400



The Performance Curves 50 Hz are based on the kinematic viscosity $1 \text{ mm}^2/\text{s}$ and density 1 g/cm^3 . Tolerances are acc. to ISO 9906 Annex A.



NM 150-200

		MOTOR				PUMP		GENERAL			BASE PLATE								
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
150-200	6 poles	2.2	112M	395.5	112	630	19	1044.5	640	775	950	520	140	420	100	150	650	580	24
		3	132M	475.5	132	630	19	1124.5	640	775	1000	520	140	420	100	150	700	580	24
		4	132M	475.5	132	630	19	1124.5	640	775	1050	520	140	420	100	150	750	580	24
	4 poles	7.5	132M	475.5	132	630	27	1132.5	640	775	1050	520	140	420	100	150	750	580	24
		11	160M	576	160	630	27	1233	640	775	1150	520	140	420	100	150	850	580	24
		15	160L	576	160	630	32	1238	640	775	1200	520	140	420	100	150	900	580	24

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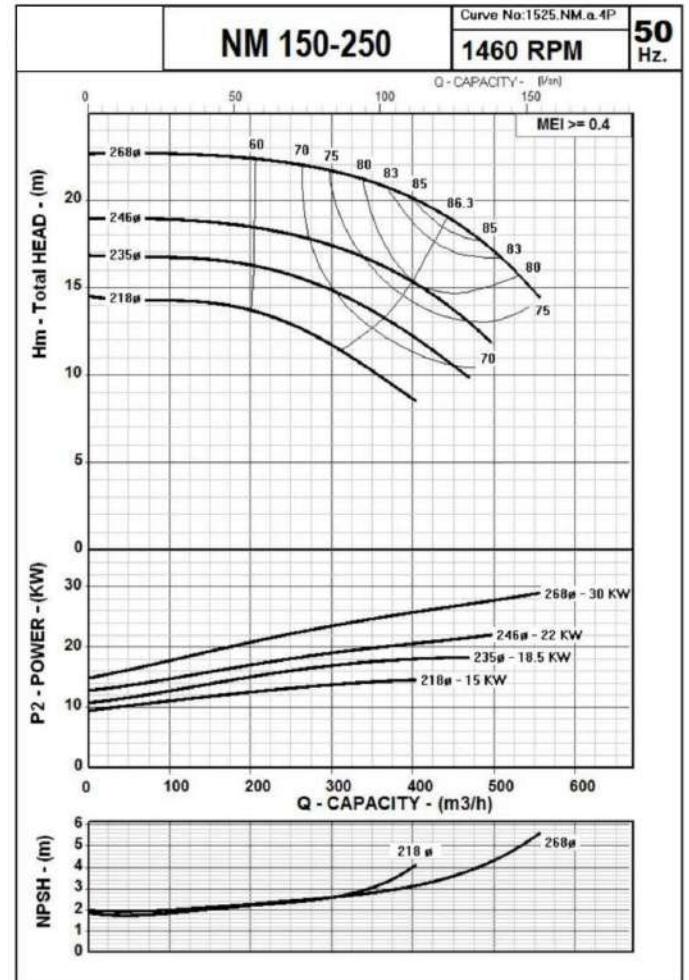
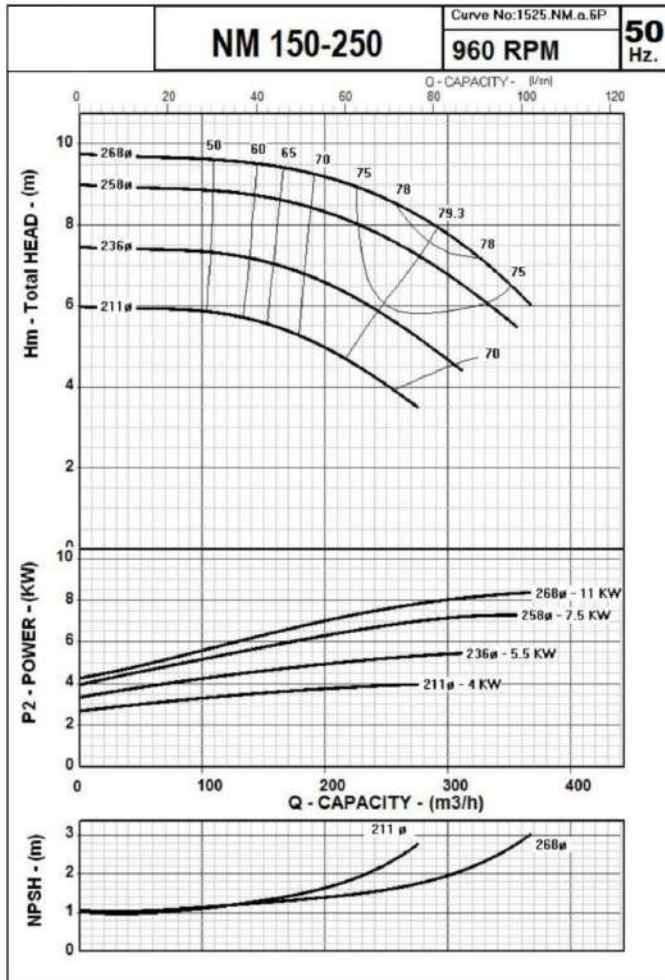
NM Series

End Suction Centrifugal Pumps

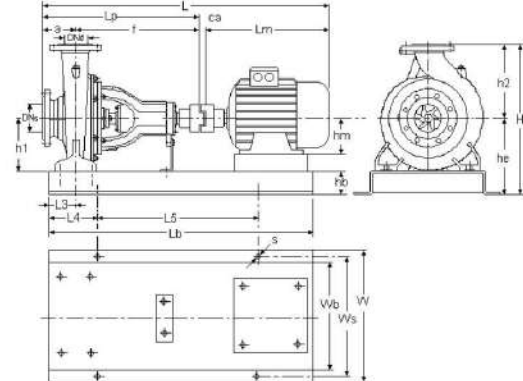
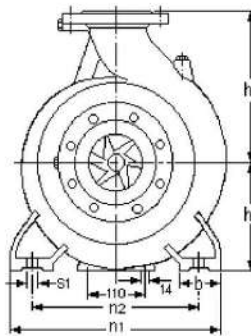
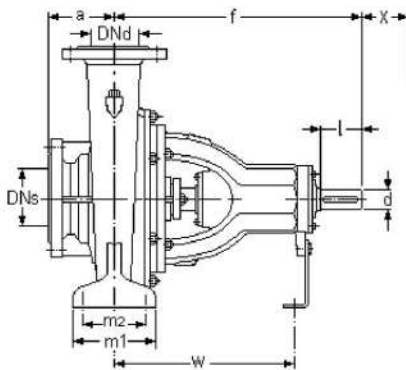
Performance Curves



NM 150-250



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(°)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X	
150-250	200	150	160	470	280	375	100	200	150	500	400	M16	340	32	80	140	137.5

		MOTOR				PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S		
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
150-250	6 poles	4	132M	475.5	132	630	19	1124.5	640	795	1050	520	140	420	100	150	750	580	24		
		5.5	132M	475.5	132	630	19	1124.5	640	795	1050	520	140	420	100	150	750	580	24		
		7.5	160M	576	160	630	27	1233	640	795	1200	520	140	420	100	150	900	580	24		
		11	160L	576	160	630	32	1238	640	795	1200	520	140	420	100	150	900	580	24		
	4 poles	15	160L	576	160	630	32	1238	640	795	1200	520	140	420	100	150	900	580	24		
		18.5	180M	629	180	630	32	1291	640	795	1200	520	140	420	100	150	900	580	24		
		22	180L	629	180	630	34	1293	640	795	1250	520	140	420	100	200	850	580	24		
30		200L	665	200	630	34	1329	640	795	1300	520	140	420	100	200	900	580	24			

Sistema Pumps reserves the right to change specifications without prior notice.

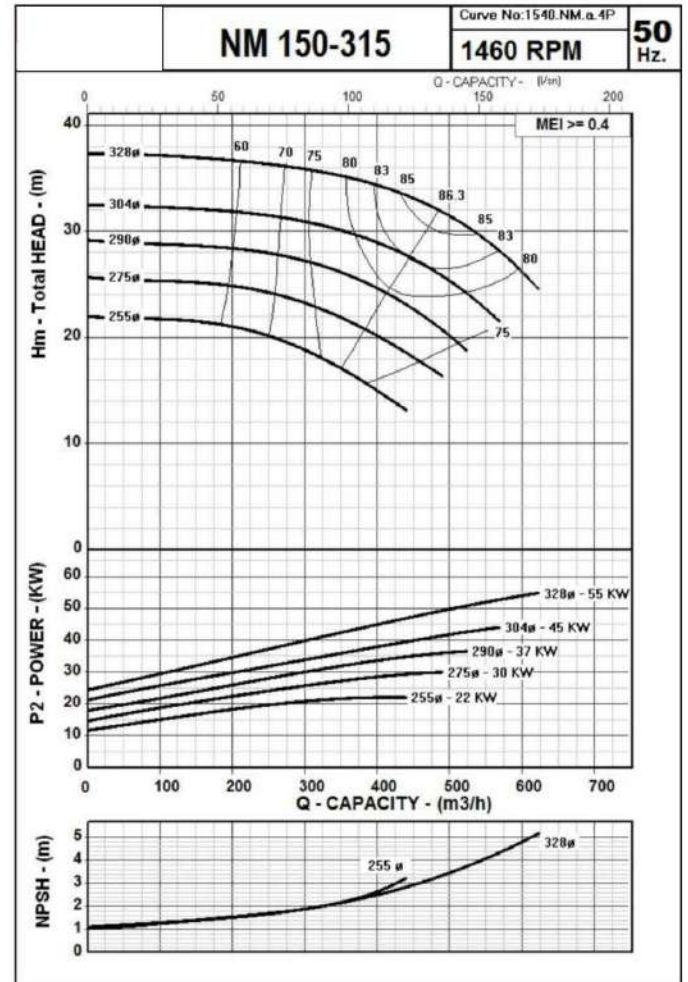
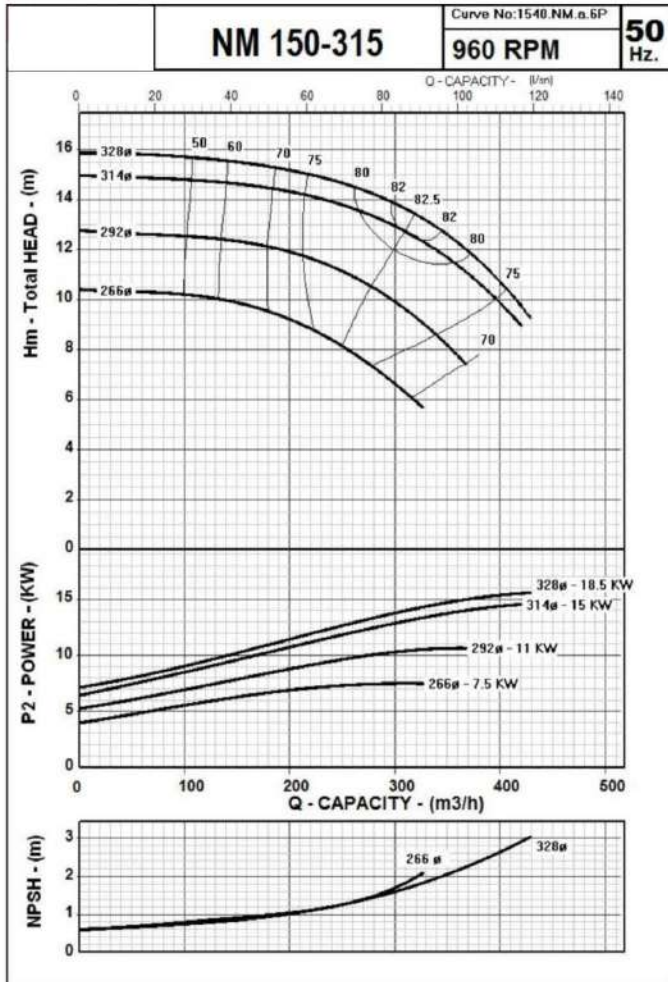
NM Series

End Suction Centrifugal Pumps

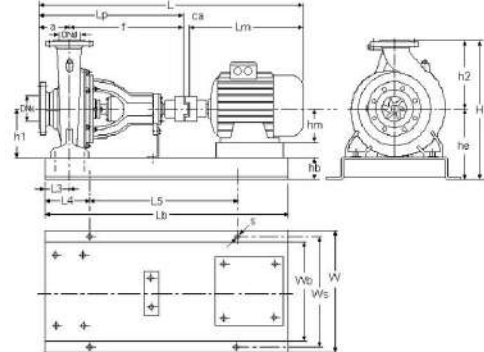
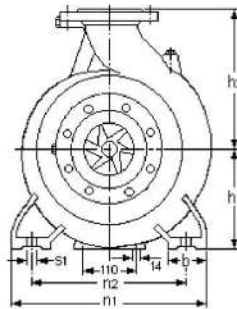
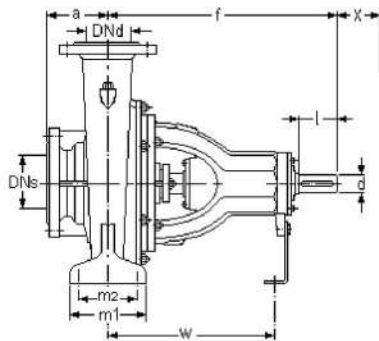
Performance Curves



NM 150-315



The Performance Curves 50 Hz are based on the kinematic viscosity $1 \text{ mm}^2/\text{s}$ and density $1\text{g}/\text{cm}^3$. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details										Shaft End (*)		Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm			
150-315	200	150	160	530	280	400	100	200	150	550	450	M20	370	42	110	140			182.5

	MOTOR		PUMP				GENERAL				BASE PLATE									
	KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S		
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
150-315	6 poles	7.5	160M	576	160	690	27	1293	720	820	1250	600	140	420	100	200	850	660	24	
		11	160L	576	160	690	27	1293	720	820	1250	600	140	420	100	200	850	660	24	
		15	180L	629	180	690	32	1351	720	820	1300	600	140	420	100	200	900	660	24	
		18.5	200L	665	200	690	34	1389	720	820	1350	600	140	420	100	200	950	660	24	
	4 poles	22	180L	629	180	690	34	1353	720	820	1300	665	140	420	100	200	900	629	24	
		30	200L	665	200	690	34	1389	720	820	1350	600	140	420	100	200	950	660	24	
		37	225M	765	225	690	43	1498	720	820	1370	600	140	420	100	200	950	660	24	
		45	225M	765	225	690	43	1498	720	820	1400	600	140	420	100	200	1000	660	24	
		55	250M	886	250	690	43	1619	720	820	1450	600	140	420	100	200	1050	660	24	

Sistema Pumps reserves the right to change specifications without prior notice.

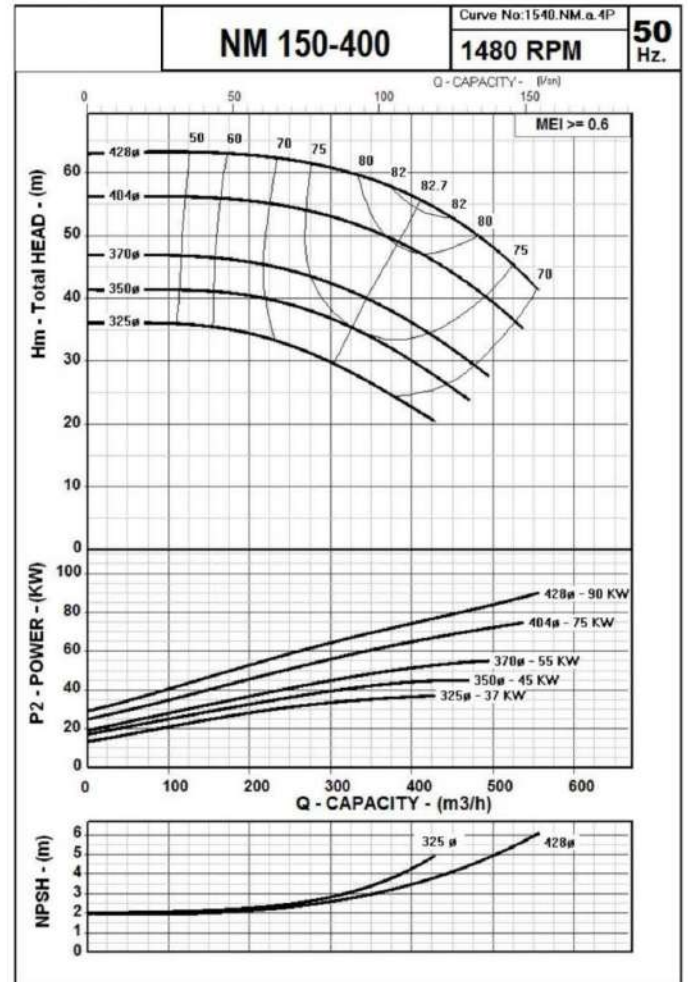
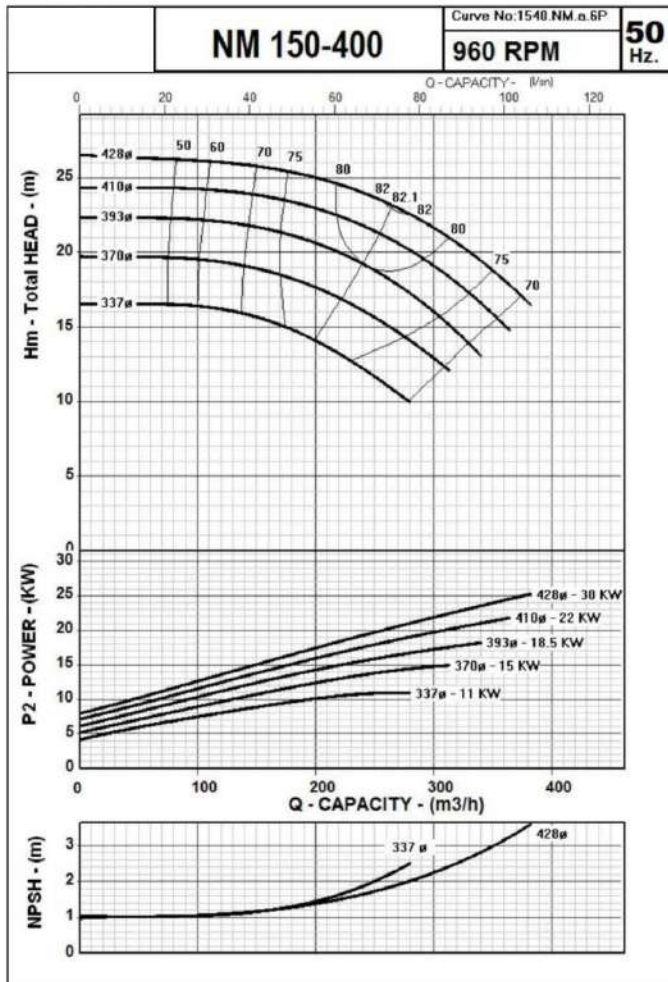
NM Series

End Suction Centrifugal Pumps

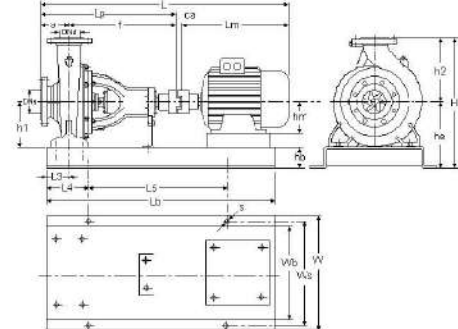
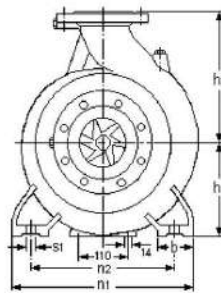
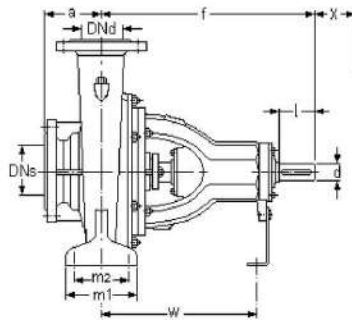
Performance Curves



NM 150-400



The Performance Curves 50 Hz are based on the kinematic viscosity $1 \text{ mm}^2/\text{s}$ and density $1 \text{ g}/\text{cm}^3$. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(*) X	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm		
150-400	200	150	160	530	315	450	100	200	150	550	450	M20	370	42	110	140	210.5

		MOTOR		PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
150-400	6 poles	11	160L	576	160	690	27	1293	720	905	1250	600	140	455	100	200	850	660	24
		15	180L	629	180	690	32	1351	720	905	1300	600	140	455	100	200	900	660	24
		18.5	200L	665	200	690	34	1389	720	905	1350	600	140	455	100	200	900	660	24
		22	200L	665	200	690	34	1389	720	905	1350	665	140	455	100	200	900	629	24
		30	225M	765	225	690	43	1498	720	905	1400	600	140	455	100	200	1000	660	24
	4 poles	37	225M	765	225	690	43	1498	720	905	1400	600	140	455	100	200	1000	660	24
		45	225M	765	225	690	43	1498	720	905	1400	600	140	455	100	200	1000	660	24
		55	250M	886	250	690	43	1619	720	905	1450	600	140	455	100	200	1050	660	24
		75	280S	907	280	690	46	1643	720	905	1530	600	140	455	100	200	1100	660	24
		90	280M	958	280	690	46	1694	720	905	1550	600	140	455	100	200	1150	660	24

Sistema Pumps reserves the right to change specifications without prior notice.

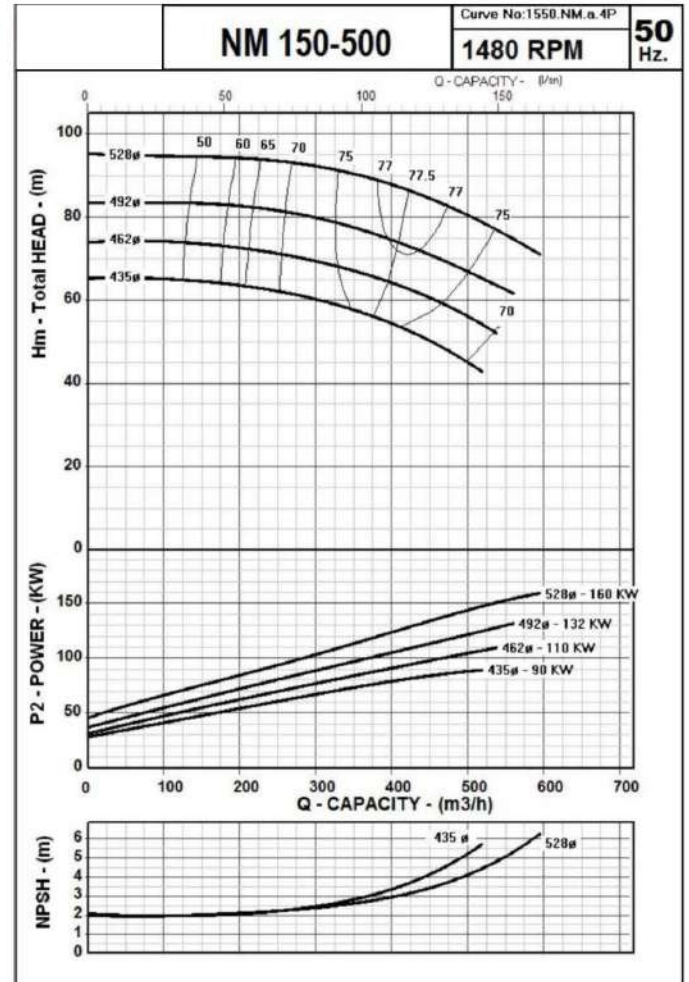
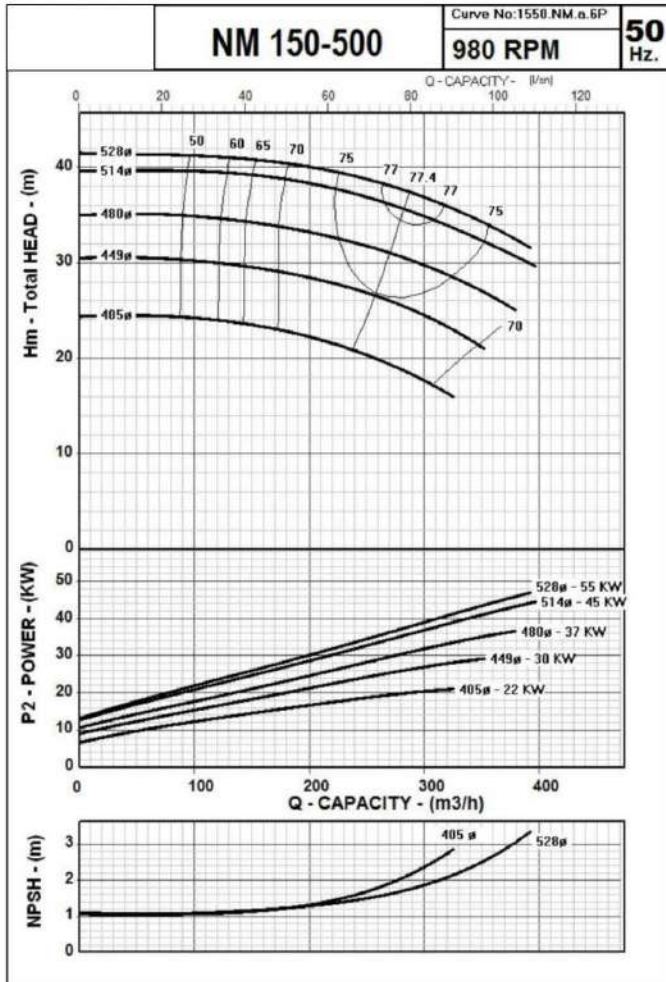
NM Series

End Suction Centrifugal Pumps

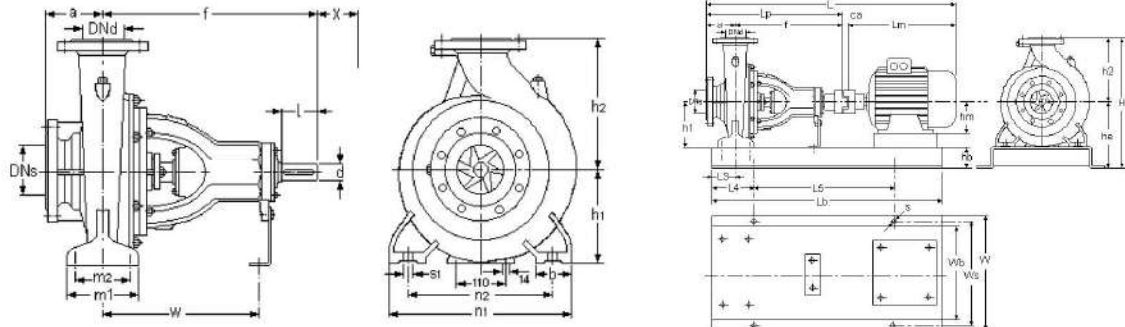
Performance Curves



NM 150-500



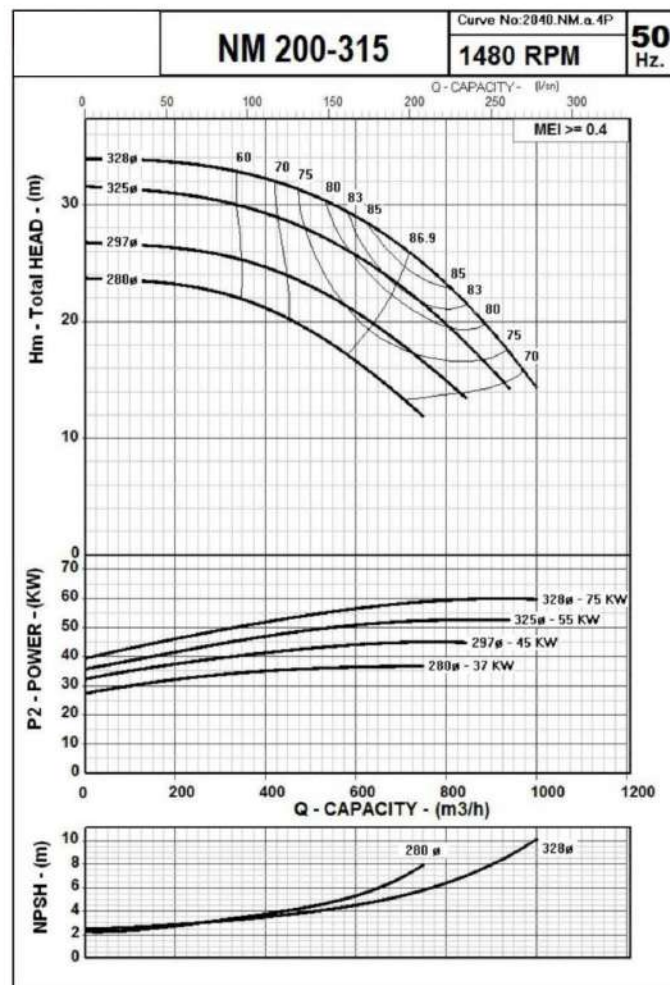
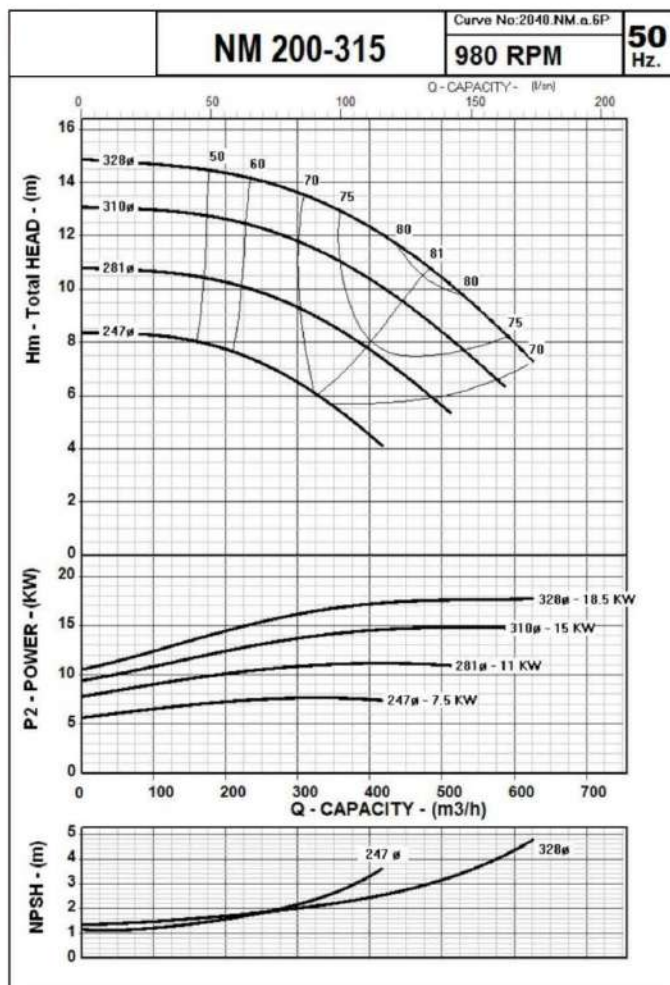
The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



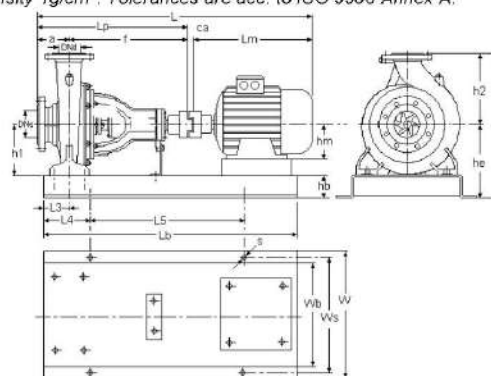
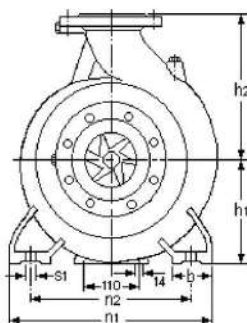
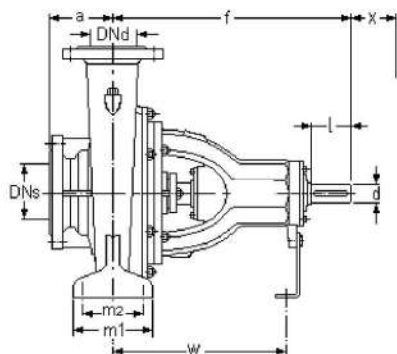
Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(*) X	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm		
150-500	200	150	180	700	400	525	110	250	200	620	500	M20	500	55	110	140	197

		MOTOR			PUMP		GENERAL				BASE PLATE								
		KW	IEC	Lm mm	Hm mm	Lp mm	Ca mm	L mm	W mm	H mm	Lb mm	Wb mm	Hb mm	He mm	L3 mm	L4 mm	L5 mm	Ws mm	S mm
150-500	6 poles	22	200L	665	200	880	34	1579	770	1085	1550	650	160	560	125	200	1150	710	24
		30	225M	765	225	880	43	1688	770	1085	1650	650	160	560	125	300	1050	710	24
		37	250M	895	250	880	43	1818	770	1085	1700	650	160	560	125	300	1100	710	24
		45	280S	907	280	880	46	1833	770	1085	1750	650	160	560	125	300	1150	710	24
		55	280M	958	280	880	46	1884	770	1085	1750	650	160	560	125	300	1200	710	24
	4 poles	75	280S	907	280	880	46	1833	770	1085	1800	650	160	560	125	300	1200	710	24
		90	280M	958	280	880	46	1884	770	1085	1800	650	160	560	125	300	1200	710	24
		110	315S	1098	315	880	43	2021	770	1085	1850	650	160	560	125	300	1250	710	24
		132	315M	1150	315	880	43	2073	770	1085	1850	650	160	560	125	300	1300	710	24
		160	315M	1150	315	880	43	2073	770	1085	1850	650	160	560	125	300	1300	710	24

Sistema Pumps reserves the right to change specifications without prior notice.

NM 200-315

The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details								Shaft End		(°)	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm		
200-315	250	200	180	535	355	450	110	250	200	620	500	M20	410	42	110	160	201	

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm mm	Hm mm	Lp mm	Ca mm	L mm	W mm	H mm	Lb mm	Wb mm	Hb mm	He mm	L3 mm	L4 mm	L5 mm	Ws mm	S mm	
200-315	6 poles	7.5	160M	576	160	715	27	1318	770	965	1300	650	160	515	125	200	900	710	24	
		11	160L	576	160	715	32	1323	770	965	1300	650	160	515	125	200	900	710	24	
		15	180L	629	180	715	34	1378	770	965	1350	650	160	515	125	200	950	710	24	
		18.5	200L	665	200	715	34	1414	770	965	1400	650	160	515	125	200	1000	710	24	
	4 poles	37	225M	765	225	715	43	1523	770	965	1450	650	160	515	125	200	1050	710	24	
		45	225M	765	225	715	43	1523	770	965	1450	650	160	515	125	200	1050	710	24	
		55	250M	886	250	715	43	1644	770	965	1500	650	160	515	125	200	1100	710	24	
		75	280S	907	280	715	46	1668	770	965	1600	650	160	515	125	200	1200	710	24	

Sistema Pumps reserves the right to change specifications without prior notice.

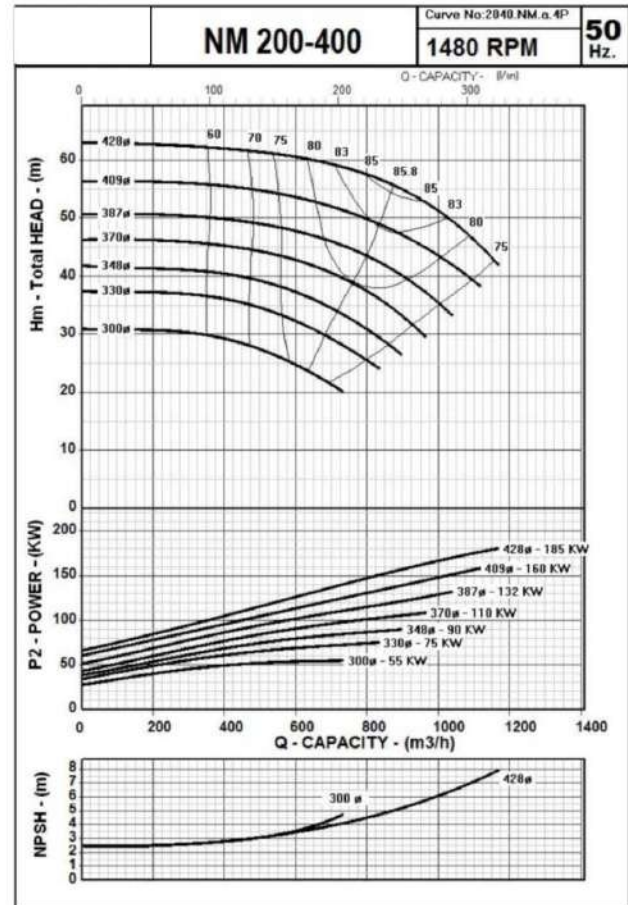
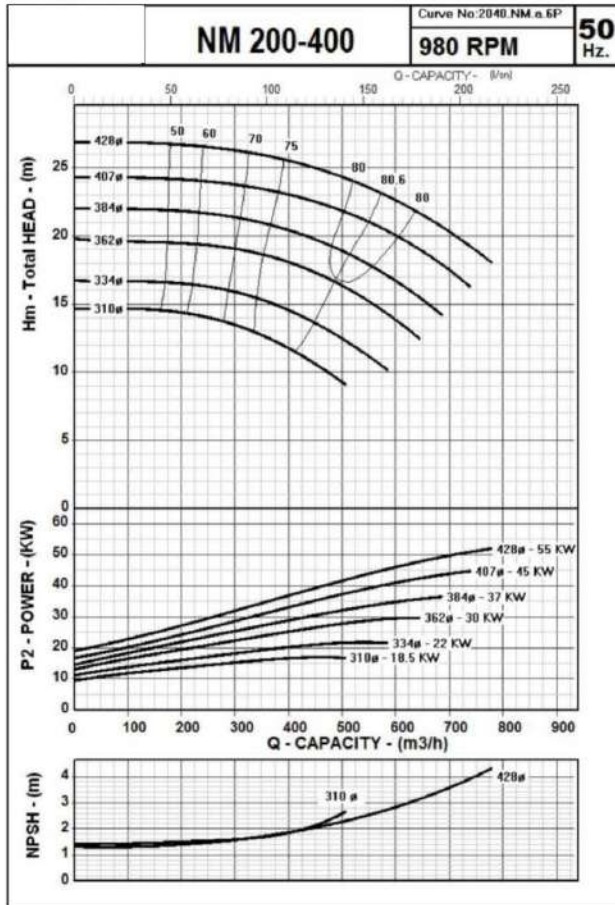
NM Series

End Suction Centrifugal Pumps

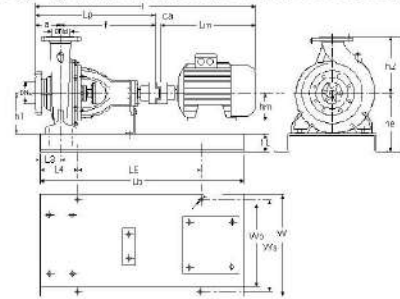
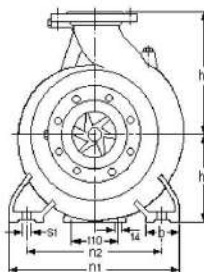
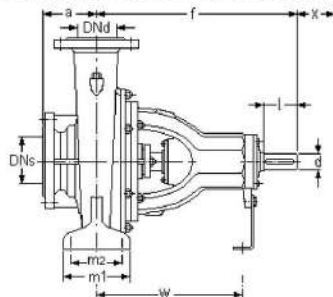
Performance Curves



NM 200-400



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(°)	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm	
200-400	250	200	180	710	400	500	110	250	200	620	500	M20	500	55	110	160	354

		MOTOR				PUMP		GENERAL			BASE PLATE								
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
200-400	6 poles	18.5	200L	600	200	890	34	1524	770	1060	1550	650	160	560	125	200	1150	710	24
		22	200L	665	200	890	34	1589	770	1060	1550	650	160	560	125	200	1150	710	24
		30	225M	765	225	890	43	1698	770	1060	1650	650	160	560	125	300	1050	710	24
		37	250M	895	250	890	43	1828	770	1060	1700	650	160	560	125	300	1100	710	24
		45	280S	907	280	890	46	1843	770	1060	1750	650	160	560	125	300	1150	710	24
		55	280M	958	280	890	46	1894	770	1060	1800	650	160	560	125	300	1200	710	24
	4 poles	55	250M	886	250	890	43	1819	770	1060	1700	650	160	560	125	300	1100	710	24
		75	280S	907	280	890	46	1843	770	1060	1800	650	160	560	125	300	1200	710	24
		90	280M	958	280	890	46	1894	770	1060	1800	650	160	560	125	300	1200	710	24
		110	315S	1098	315	890	43	2031	770	1060	1850	650	160	560	125	300	1250	710	24
		132	315M	1150	315	890	43	2083	770	1060	1900	650	160	560	125	300	1300	710	24
		160	315M	1150	315	890	43	2083	770	1060	1900	650	160	560	125	300	1300	710	24
		185	315L	1220	315	890	43	2153	770	1060	1950	650	160	560	125	300	1350	710	24

Sistema Pumps reserves the right to change specifications without prior notice.

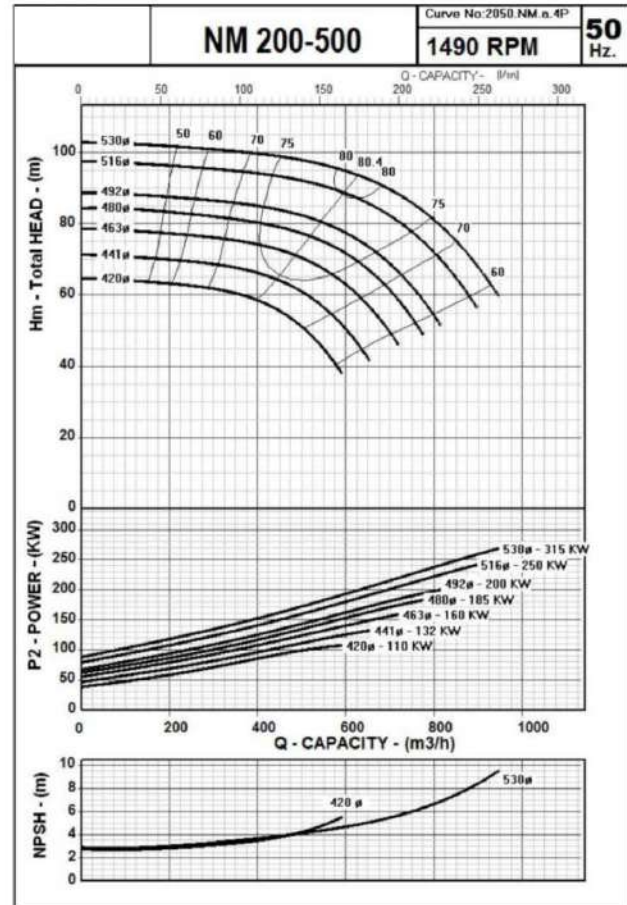
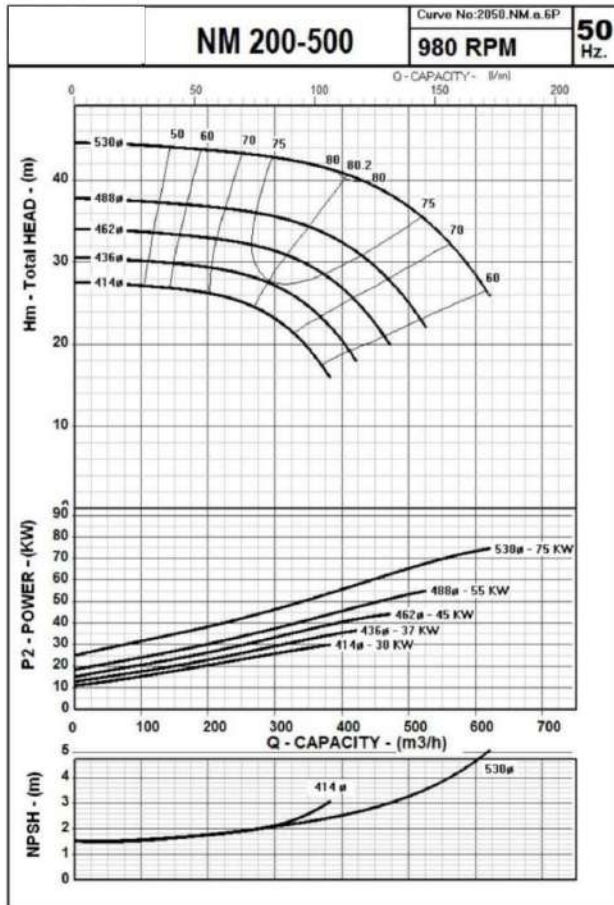
NM Series

End Suction Centrifugal Pumps

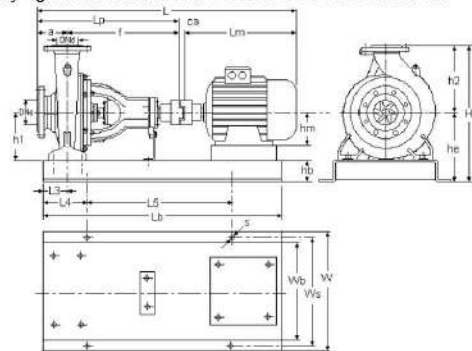
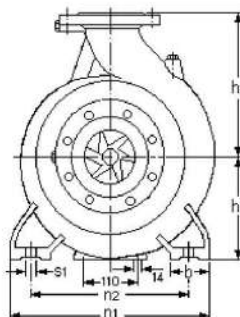
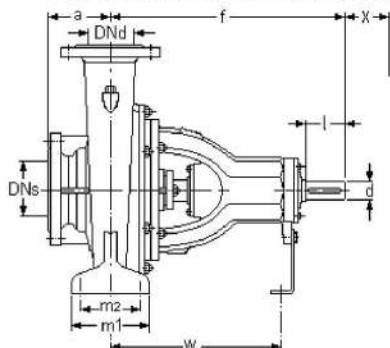
Performance Curves



NM 200-500



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(*) X	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm		
200-500	300	250	280	875	500	700	150	360	290	900	750	M28	560	65	140	320	615

		MOTOR		PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
200-500	6 poles	30	225M	765	225	1060	43	1868	870	1110	1800	750	160	560	150	300	1200	810	24
		37	250M	895	250	1060	43	1998	870	1110	1900	750	160	560	150	300	1350	810	24
		45	280S	907	280	1060	46	2013	870	1110	1950	750	160	560	150	300	1400	810	24
		55	280M	958	280	1060	46	2064	870	1110	2000	750	160	560	150	300	1450	810	24
		75	315S	1098	315	1060	43	2201	870	1110	2050	750	160	560	150	300	1500	810	24
	4 poles	110	315S	1098	315	1060	43	2201	870	1110	2050	750	160	560	150	300	1450	810	24
		132	315M	1150	315	1060	43	2253	870	1110	2050	750	160	560	150	300	1450	810	24
		160	315M	1150	315	1060	43	2253	870	1110	2100	750	160	560	150	300	1550	810	24
		185	315L	1220	315	1060	43	2323	870	1110	2150	750	160	560	150	300	1600	810	24
		200	315L	1220	315	1060	43	2323	870	1110	2150	750	160	560	150	300	1600	810	24
		250	355M	1370	355	1060	43	2473	920	1130	2300	800	160x2	580	150	300	1750	860	24
		315	355M	1370	355	1060	43	2473	920	1130	2300	800	160x2	580	150	300	1750	860	24

Sistema Pumps reserves the right to change specifications without prior notice.

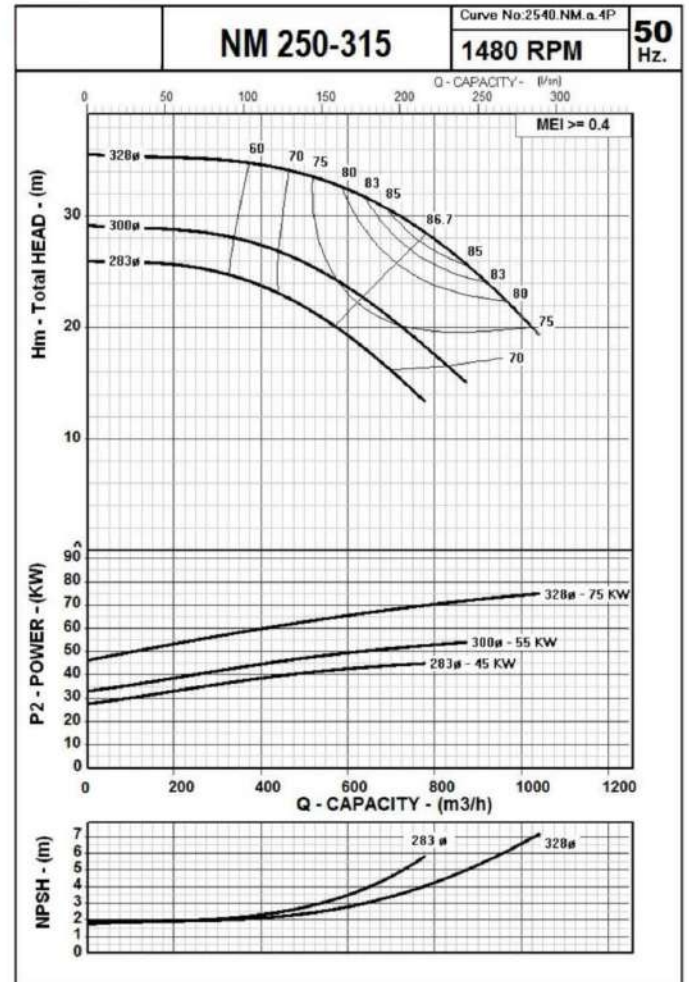
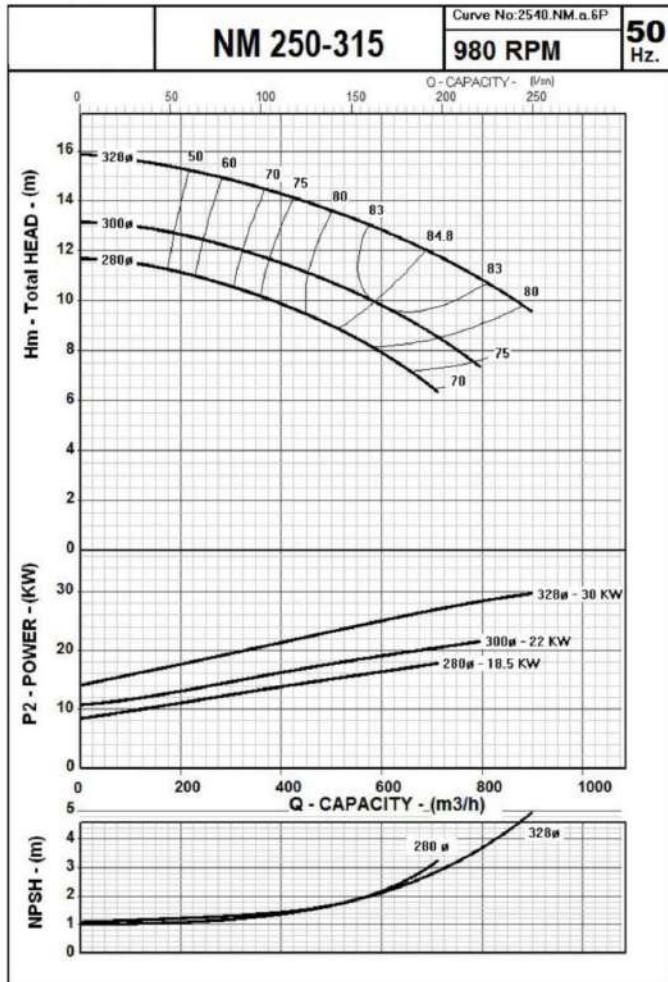
NM Series

End Suction Centrifugal Pumps

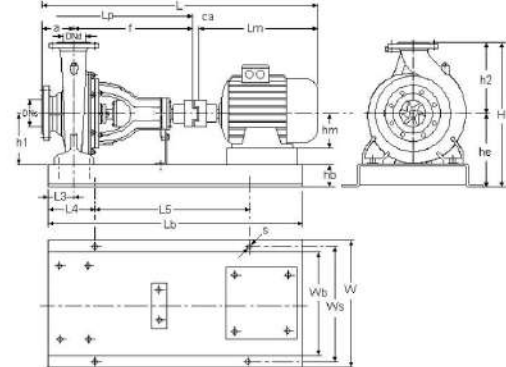
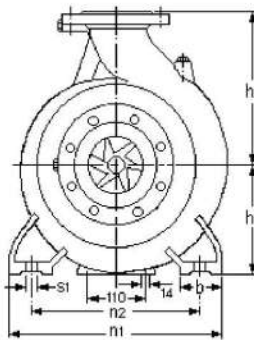
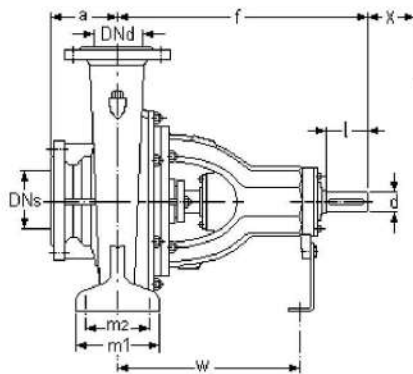
Performance Curves



NM 250-315



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(*)	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm	
250-315	300	250	240	725	400	525	140	300	240	620	500	M24	500	55	110	200	419

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S	
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
250-315	6 poles	18.5	200L	600	200	965	34	1599	770	1085	1550	650	160	560	150	200	1150	710	24	
		22	200L	665	200	965	34	1664	770	1085	1550	650	160	560	150	200	1150	710	24	
		30	225M	765	225	965	43	1773	770	1085	1650	650	160	560	150	300	1050	710	24	
	4 poles	37	225M	765	225	965	43	1773	770	1085	1650	650	160	560	150	200	1200	710	24	
		45	225M	765	225	965	43	1773	770	1085	1650	650	160	560	150	300	1050	710	24	
		55	250M	886	250	965	43	1894	770	1085	1700	650	160	560	150	300	1100	710	24	
75		280S	907	280	965	46	1918	770	1085	1800	650	160	560	150	300	1150	710	24		

Sistema Pumps reserves the right to change specifications without prior notice.

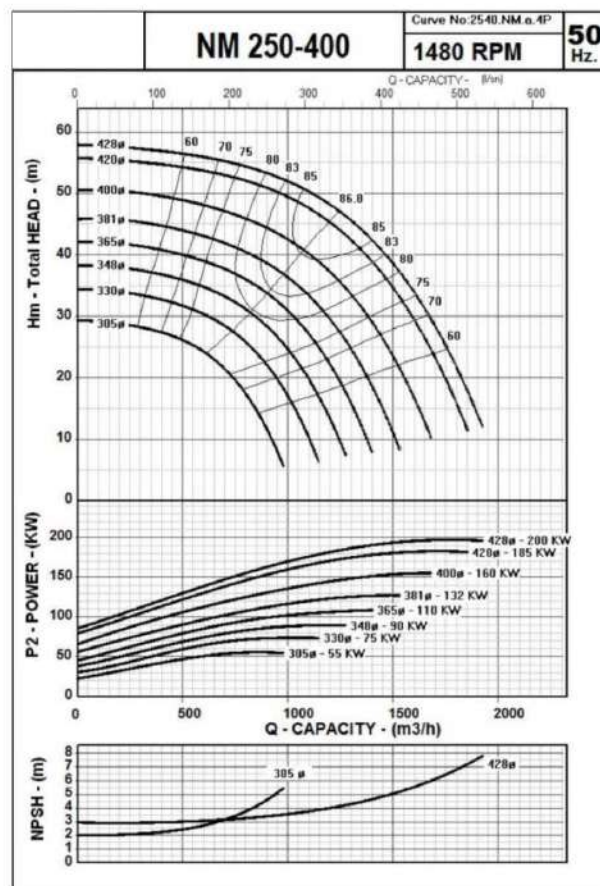
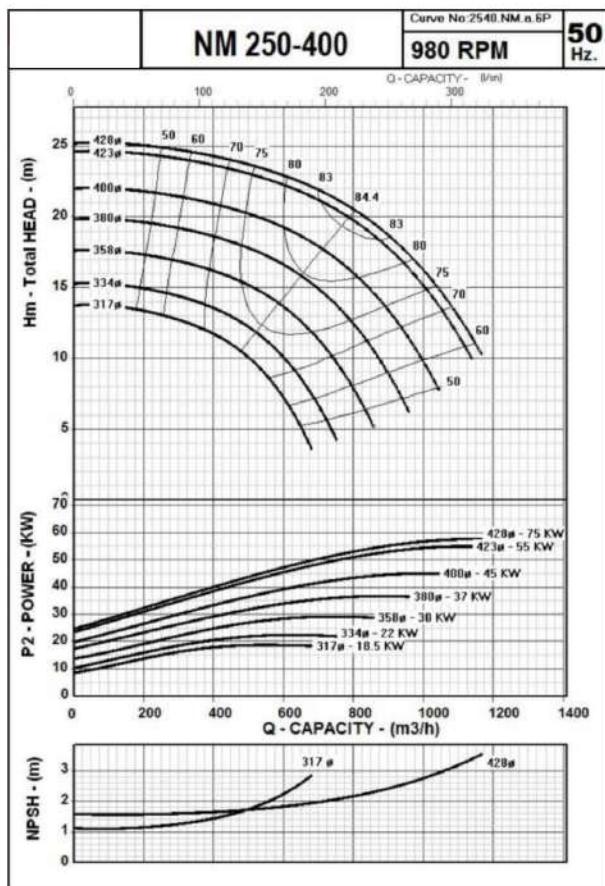
NM Series

End Suction Centrifugal Pumps

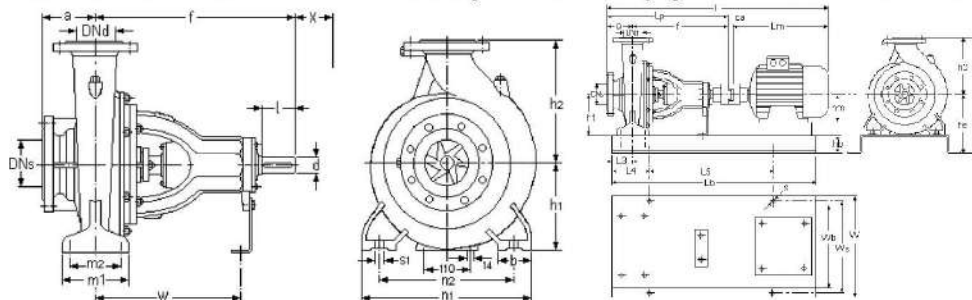
Performance Curves



NM 250-400



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.

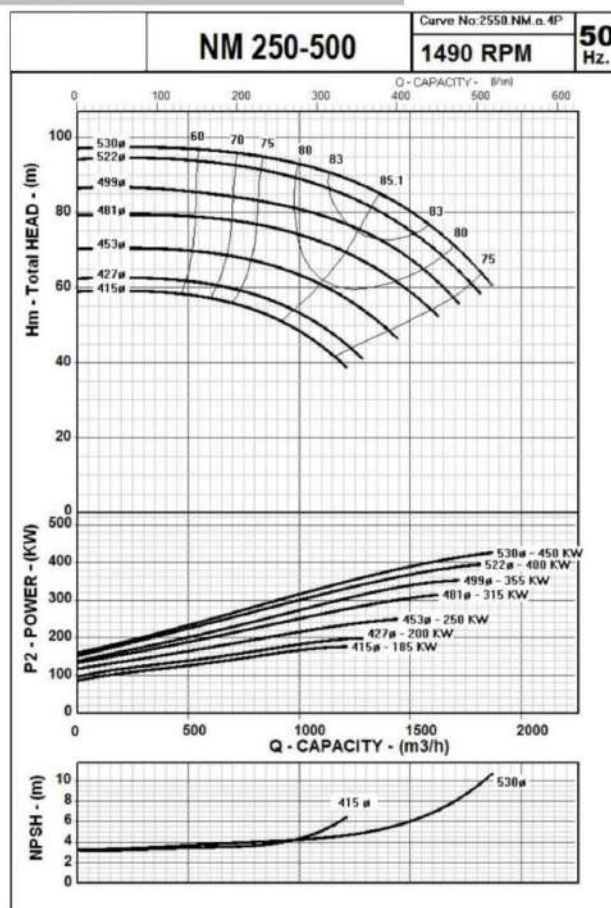
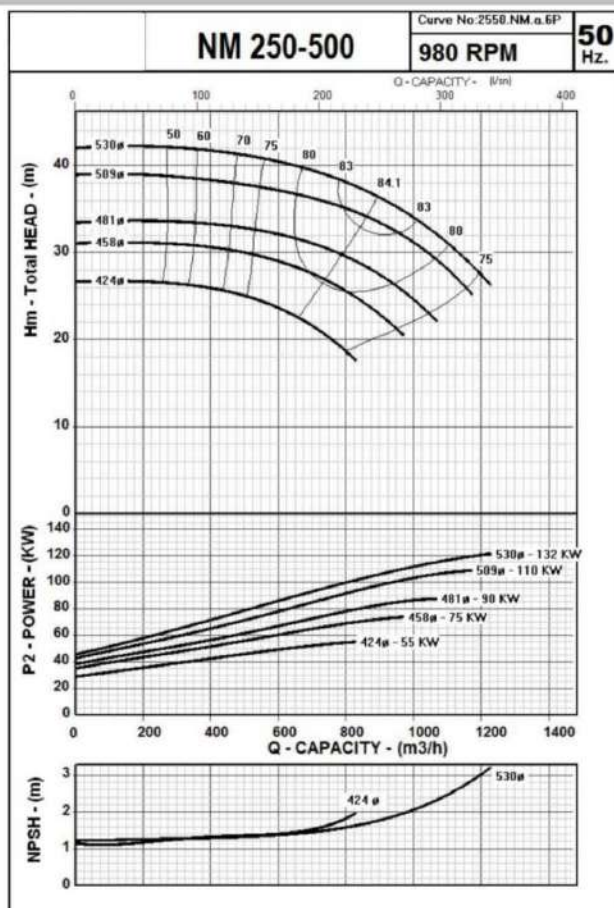


Pump Size	Flanges		Length		Height		Mounting Details								Shaft End		(*)	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm		
250-400	300	250	225	865	400	550	140	300	240	620	500	M24	600	65	140	200	510	

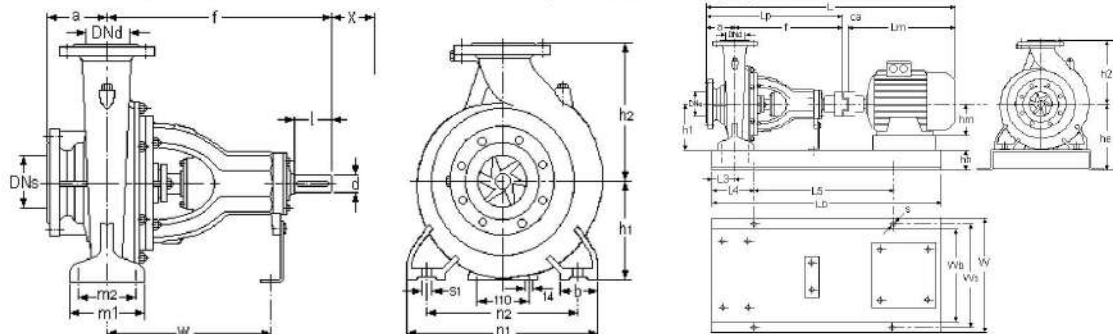
		MOTOR				PUMP		GENERAL			BASE PLATE								
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
250-400	6 poles	18.5	200L	600	200	1090	34	1724	770	1110	1700	650	160	560	150	300	1100	710	24
		22	200L	665	200	1090	34	1789	770	1110	1700	650	160	560	150	300	1100	710	24
		30	225M	765	225	1090	34	1889	770	1110	1800	650	160	560	150	300	1200	710	24
		37	250M	895	250	1090	43	2028	770	1110	1900	650	160	560	150	300	1350	710	24
		45	280S	907	280	1090	46	2043	770	1110	2000	650	160	560	150	300	1400	710	24
		55	280M	958	280	1090	46	2094	770	1110	2000	650	160	560	150	300	1450	710	24
		75	315M	1098	315	1090	43	2231	770	1110	2100	650	160	560	150	300	1500	710	24
	4 poles	75	280S	907	280	1090	46	2043	770	1110	2000	650	160	560	150	300	1400	710	24
		90	280M	958	280	1090	46	2094	770	1110	2000	650	160	560	150	300	1400	710	24
		110	315S	1098	315	1090	43	2231	770	1110	2050	650	160	560	150	300	1450	710	24
		132	315M	1150	315	1090	43	2283	770	1110	2100	650	160	560	150	300	1550	710	24
		160	315M	1150	315	1090	43	2283	770	1110	2100	650	160	560	150	300	1550	710	24
		185	315L	1220	315	1090	43	2353	770	1110	2200	650	160	560	150	300	1650	710	24
200		315L	1220	315	1090	43	2353	770	1110	2200	650	160	560	150	300	1650	710	24	

Sistema Pumps reserves the right to change specifications without prior notice.

NM 250-500



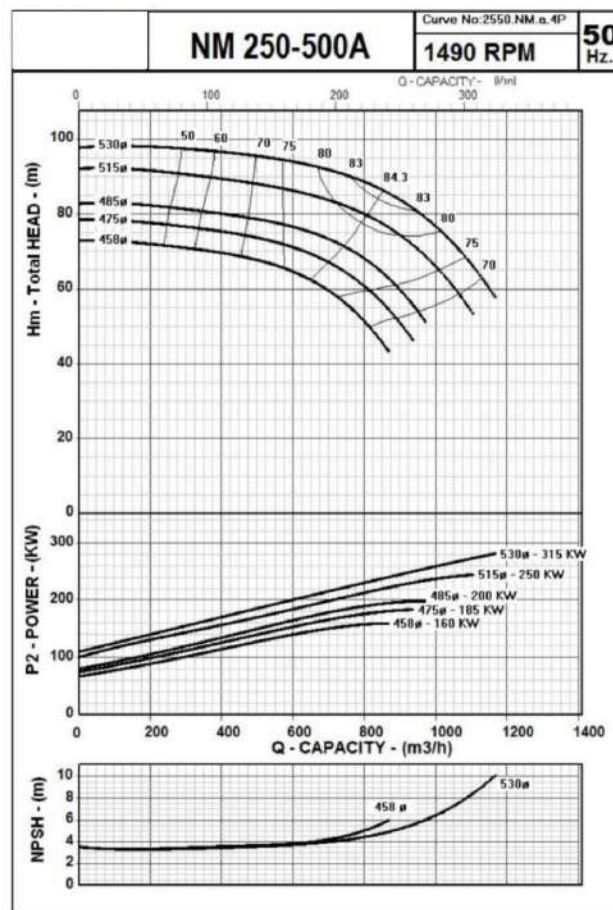
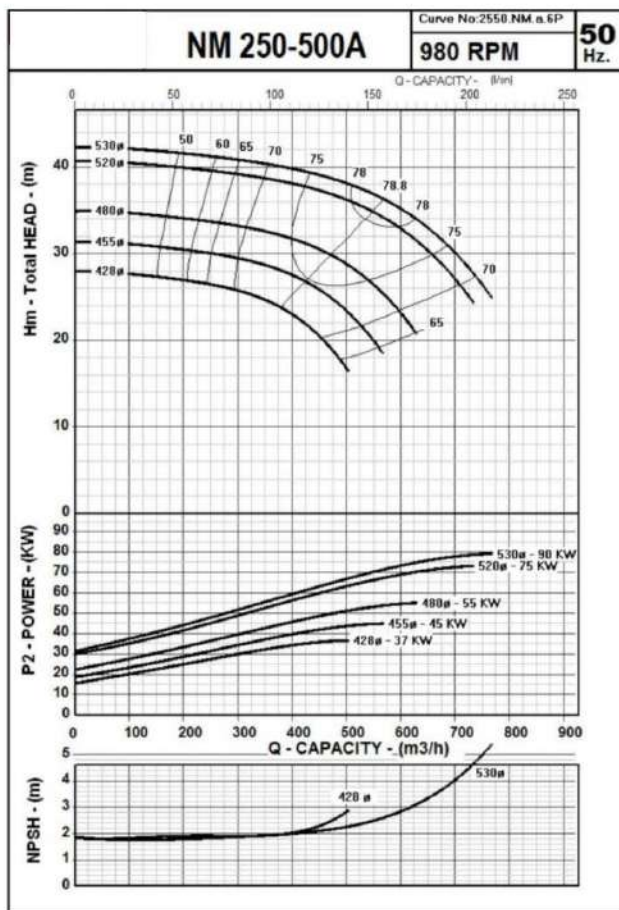
The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



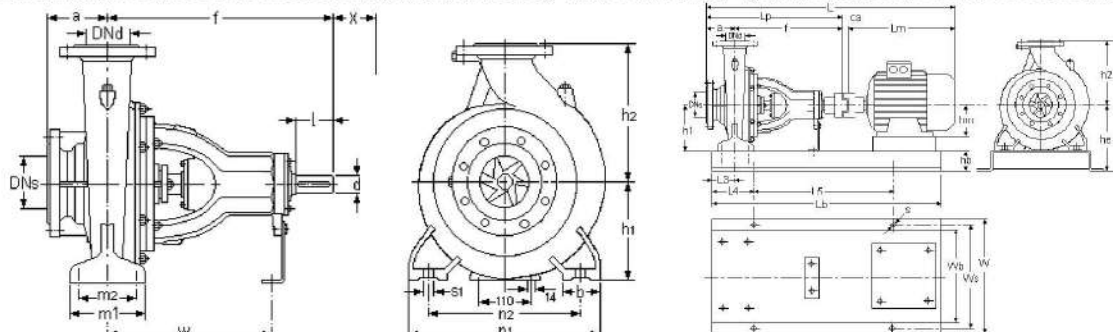
Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(°)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
250-500	300	250	280	875	500	700	150	360	290	900	750	M28	560	65	140	320	615

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S	
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
250-500	6 poles	55	280M	958	280	1090	46	2094	870	1240	2000	750	160	610	150	300	1400	810	24	
		75	315S	1098	315	1090	43	2231	870	1240	2100	750	160	610	150	300	1500	810	24	
		90	315M	1150	315	1090	43	2283	870	1240	2100	750	160	610	150	300	1500	810	24	
		110	315M	1150	315	1090	43	2283	870	1240	2100	750	160	610	150	300	1500	810	24	
		132	315L	1220	315	1090	43	2353	870	1240	2200	750	160	610	150	300	1600	810	24	
	4 poles	200	315L	1220	315	1090	43	2353	870	1240	2200	750	160	610	150	300	1600	810	24	
		250	355M	1370	355	1090	43	2503	920	1260	2350	800	160x2	630	150	300	1750	860	24	
		315	355M	1370	355	1090	43	2503	920	1260	2350	800	160x2	630	150	300	1750	860	24	
		355	355M	1370	355	1090	43	2503	920	1260	2350	800	160x2	630	150	300	1750	860	24	
		400	355L	1440	355	1090	43	2573	920	1260	2350	800	160x2	630	150	300	1750	860	24	
		450	400L	1600	400	1090	43	2733	1020	1260	2500	900	160x2	630	150	350	1800	960	24	

Sistema Pumps reserves the right to change specifications without prior notice.



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details										Shaft End (*)		Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm			
250-500A	300	250	280	875	500	700	150	360	290	900	750	M28	560	65	140	320			615

		MOTOR		PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm mm	Hm mm	Lp mm	Ca mm	L mm	W mm	H mm	Lb mm	Wb mm	Hb mm	He mm	L3 mm	L4 mm	L5 mm	Ws mm	S mm
250-500A	6 poles	37	250M	895	250	1090	43	2028	870	1240	1900	750	160	610	150	300	1300	960	24
		45	280S	907	280	1090	46	2043	870	1240	2000	750	160	610	150	300	1400	810	24
		55	280M	958	280	1090	46	2094	870	1240	2000	750	160	610	150	300	1400	810	24
		75	315S	1098	315	1090	43	2231	870	1240	2100	750	160	610	150	300	1500	810	24
		90	315M	1150	315	1090	43	2283	870	1240	2100	750	160	610	150	300	1500	810	24
	4 poles	132	315M	1150	315	1090	43	2283	870	1240	2100	750	160	610	150	300	1500	810	24
		160	315M	1150	315	1090	43	2283	870	1240	2100	750	160	610	150	300	1500	810	24
		185	315L	1220	315	1090	43	2353	870	1240	2200	750	160	610	150	300	1600	810	24
		200	315L	1220	315	1090	43	2353	870	1240	2200	750	160	610	150	300	1600	810	24
		250	355M	1370	355	1090	43	2503	920	1260	2350	800	160x2	630	150	300	1750	860	24
		315	355M	1370	355	1090	43	2503	920	1260	2350	800	160x2	630	150	300	1750	860	24

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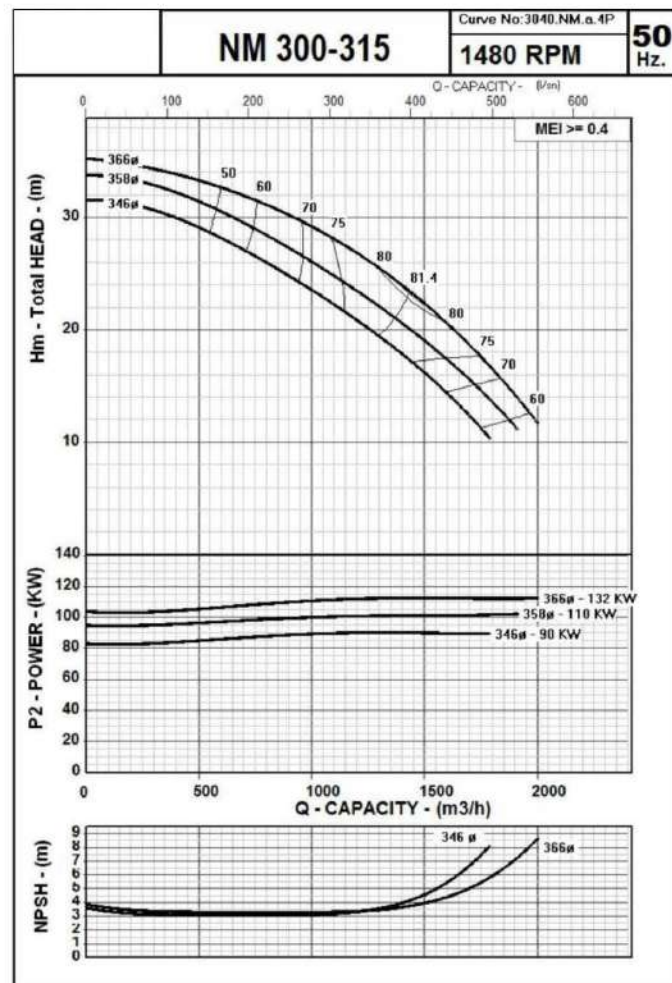
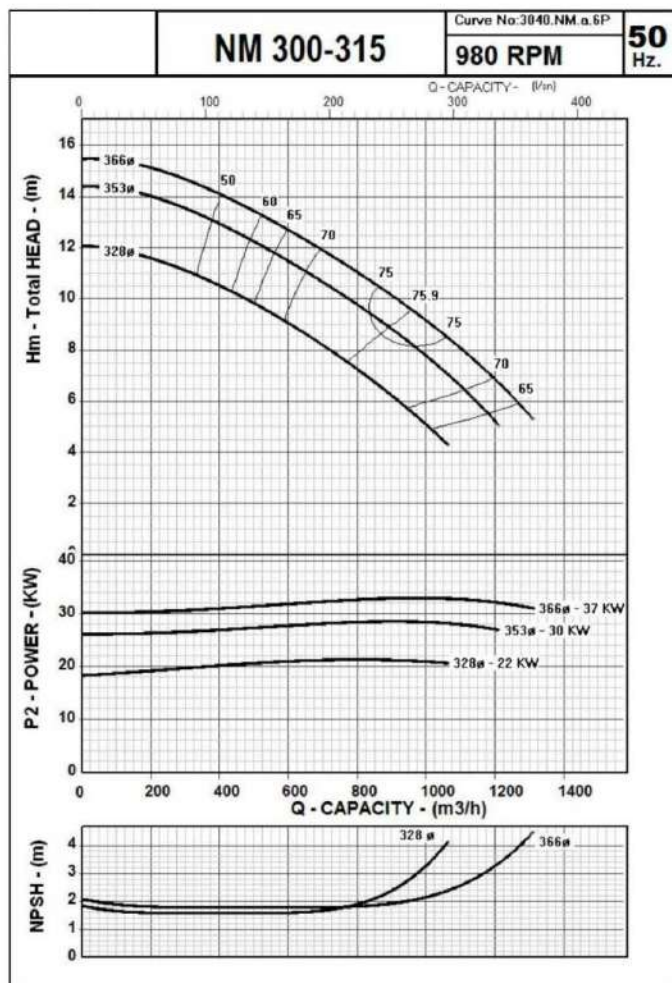
NM Series

End Suction Centrifugal Pumps

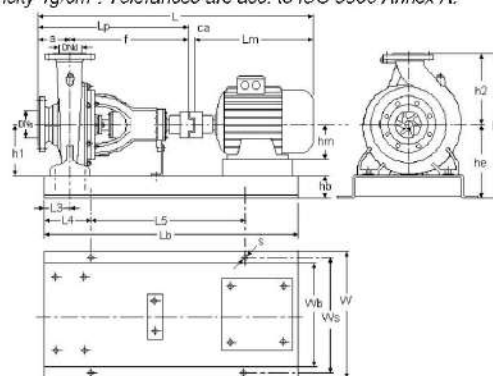
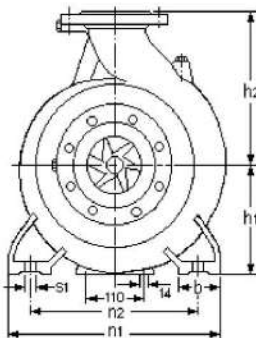
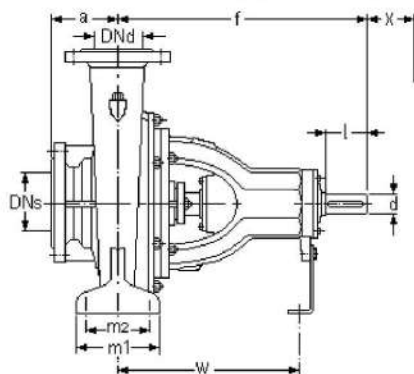
Performance Curves



NM 300-315



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(*) X	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm		
300-315	300	300	275	810	425	600	140	300	240	620	500	M24	550	55	140	270	516

		MOTOR		PUMP			GENERAL			BASE PLATE									
		KW	IEC	Lm mm	Hm mm	Lp mm	Ca mm	L mm	W mm	H mm	Lb mm	Wb mm	Hb mm	He mm	L3 mm	L4 mm	L5 mm	Ws mm	S mm
300-315	6 poles	22	200L	665	200	1035	34	1734	770	1185	1650	650	160	585	150	300	1050	710	24
		30	225M	765	225	1035	43	1843	770	1185	1700	650	160	585	150	300	1100	710	24
		37	250M	895	250	1035	43	1973	770	1185	1750	650	160	585	150	300	1150	710	24
	4 poles	75	280S	907	280	1085	46	2038	770	1185	1900	650	160	585	150	300	1300	710	24
		90	280M	958	280	1085	46	2089	770	1185	1900	650	160	585	150	300	1300	710	24
		110	315S	1098	315	1085	43	2226	770	1185	2000	650	160	585	150	300	1400	710	24
		132	315M	1150	315	1085	43	2278	770	1185	2000	650	160	585	150	300	1400	710	24

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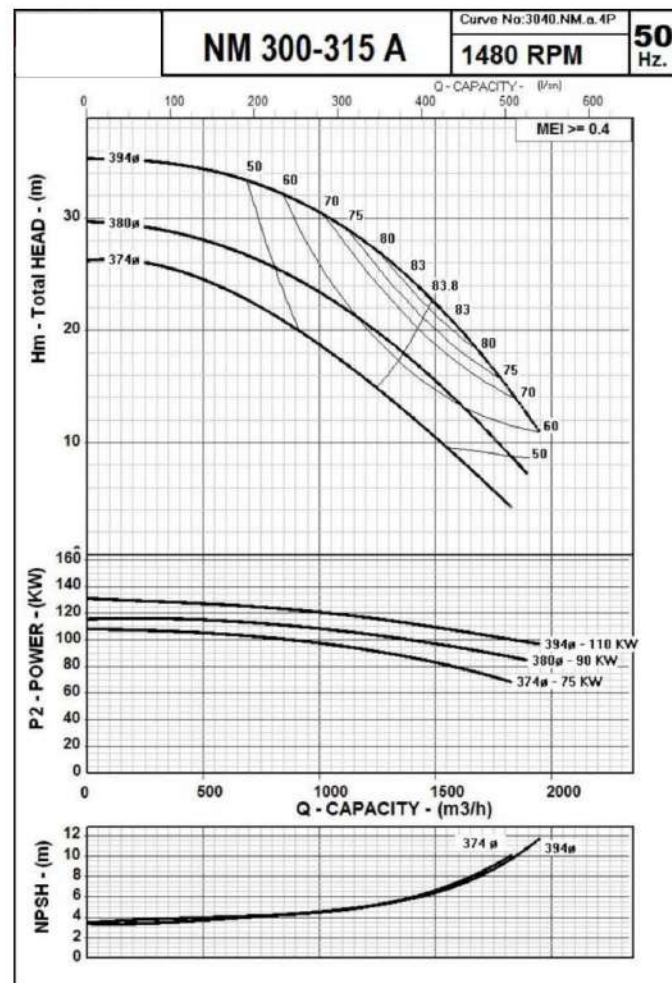
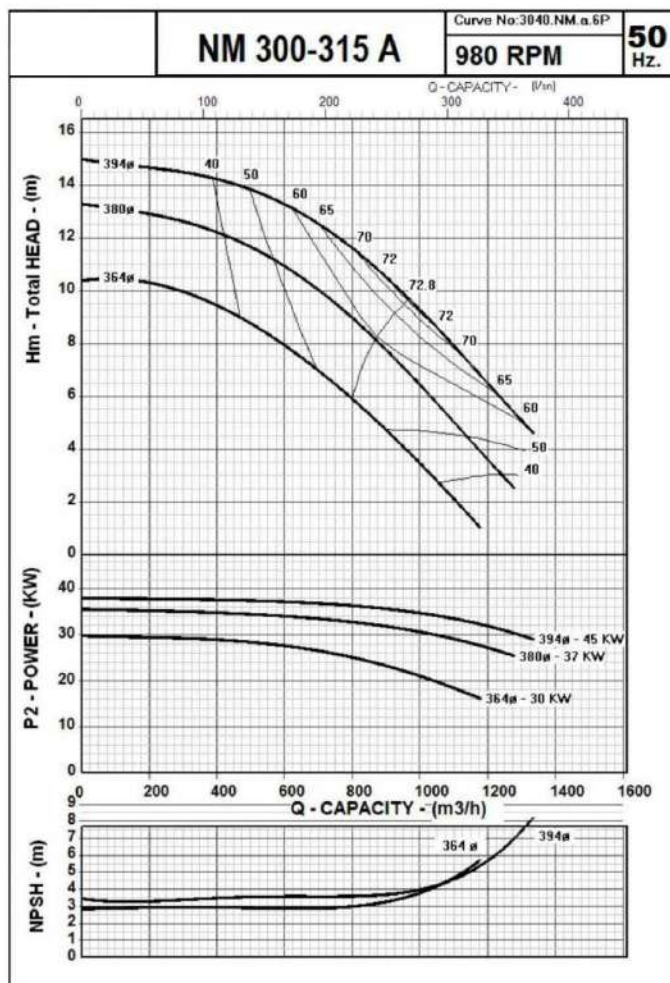
NM Series

End Suction Centrifugal Pumps

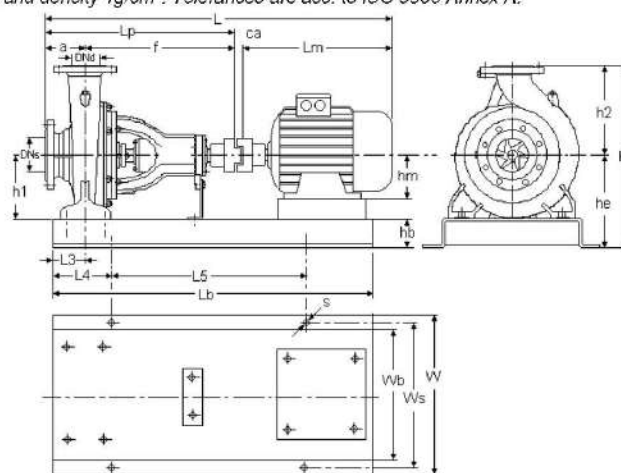
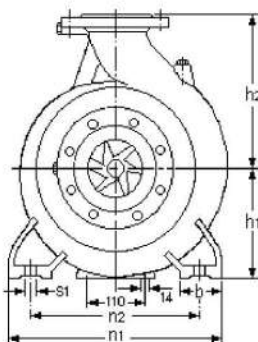
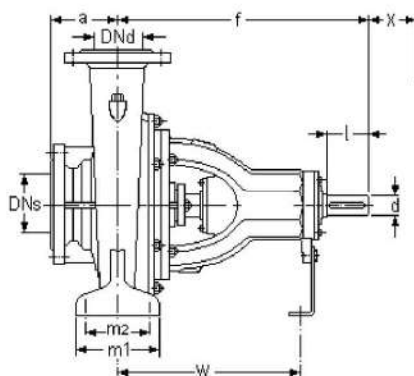
Performance Curves



NM 300-315A



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(*)	Weigh kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm	
300-315A	300	300	275	810	425	600	140	300	240	620	500	M24	550	55	140	270	516

		MOTOR				PUMP		GENERAL			BASE PLATE								
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
300-315A	6 poles	30	225M	765	225	1035	43	1843	770	1185	1700	650	160	585	150	300	1100	710	24
		37	250M	895	250	1035	43	1973	770	1185	1750	650	160	585	150	300	1150	710	24
		45	280S	907	280	1035	46	1988	770	1185	1850	650	160	585	150	300	1250	710	24
	4 poles	110	315S	1098	315	1085	43	2226	770	1185	2000	650	160	585	150	300	1400	710	24
132		315M	1150	315	1085	43	2278	770	1185	2000	650	160	585	150	300	1400	710	24	

Sistema Pumps reserves the right to change specifications without prior notice.

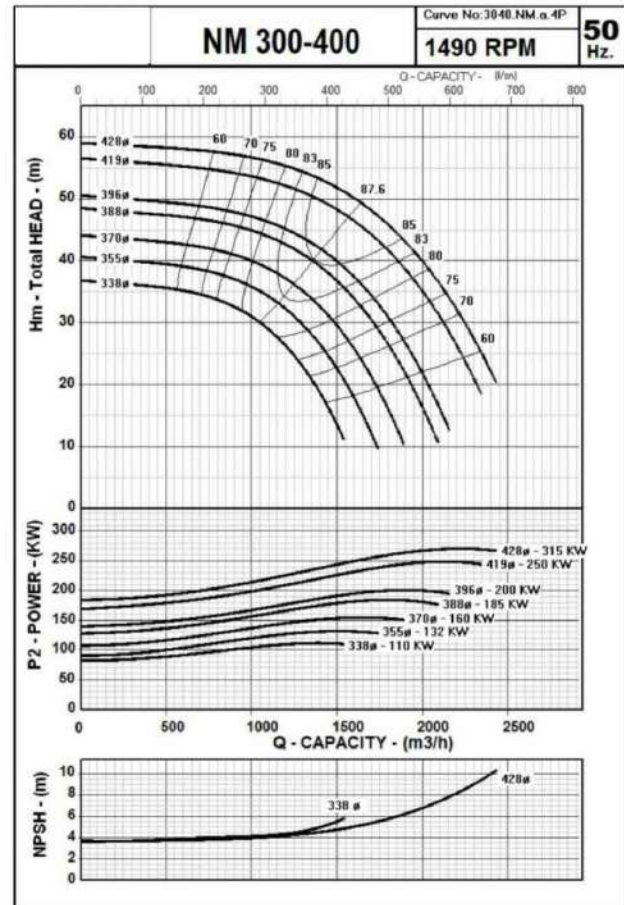
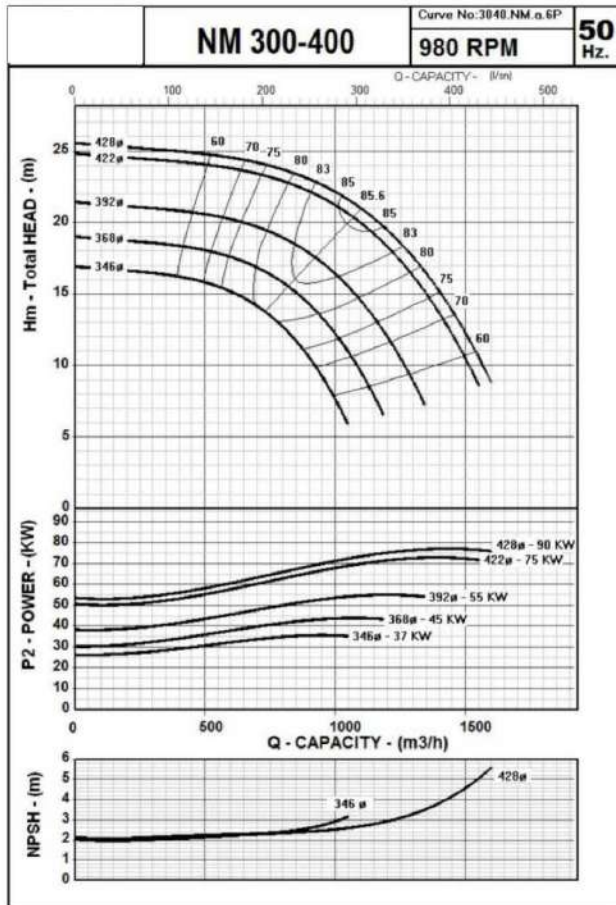
NM Series

End Suction Centrifugal Pumps

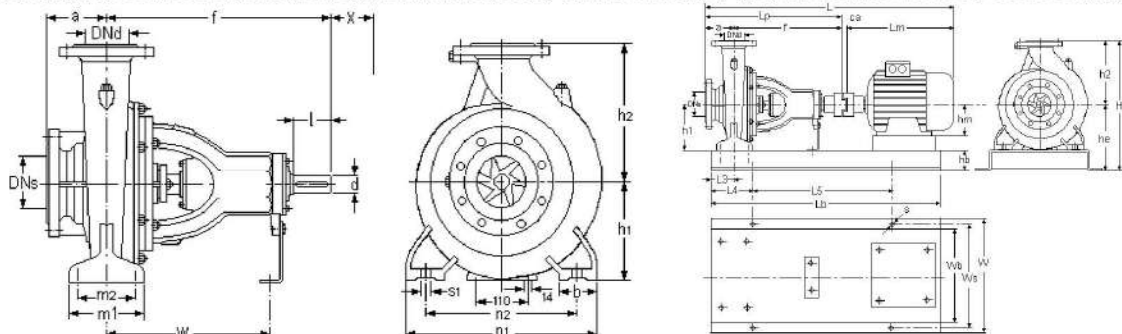
Performance Curves



NM 300-400



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details								Shaft End		(°)	Weight kg
	DNs mm	DNd mm	a mm	f mm	h1 mm	h2 mm	b mm	m1 mm	m2 mm	n1 mm	n2 mm	s1 mm	W mm	d mm	l mm	X mm		
300-400	350	300	275	865	450	630	150	360	290	800	650	24	550	65	140	300	636	

		MOTOR		PUMP		GENERAL				BASE PLATE									
		KW	IEC	Lm mm	Hm mm	Lp mm	Ca mm	L mm	W mm	H mm	Lb mm	Wb mm	Hb mm	He mm	L3 mm	L4 mm	L5 mm	Ws mm	S mm
300-400	6 poles	37	250M	895	250	1140	43	2078	970	1260	1900	850	160x2	630	180	300	1300	910	24
		45	280S	907	280	1140	46	2093	970	1260	1950	850	160x2	630	180	300	1350	910	24
		55	280M	958	280	1140	46	2144	970	1260	2000	850	160x2	630	180	300	1400	910	24
		75	315S	1098	315	1140	43	2281	970	1260	2050	850	160x2	630	180	300	1450	910	24
		90	315M	1150	315	1140	43	2333	970	1260	2100	850	160x2	630	180	300	1500	910	24
	4 poles	110	315S	1098	315	1140	43	2281	970	1260	2050	850	160x2	630	180	300	1450	910	24
		132	315M	1150	315	1140	43	2333	970	1260	2100	850	160x2	630	180	300	1500	910	24
		160	315M	1150	315	1140	43	2333	970	1260	2100	850	160x2	630	180	300	1500	910	24
		185	315L	1220	315	1140	43	2403	970	1260	2150	850	160x2	630	180	300	1550	910	24
		200	315L	1220	315	1140	43	2403	970	1260	2150	850	160x2	630	180	300	1550	910	24
		250	355M	1370	355	1140	43	2553	970	1260	2300	850	160x2	630	180	300	1700	910	24
		315	355M	1370	355	1140	43	2553	970	1260	2300	850	160x2	630	180	300	1700	910	24

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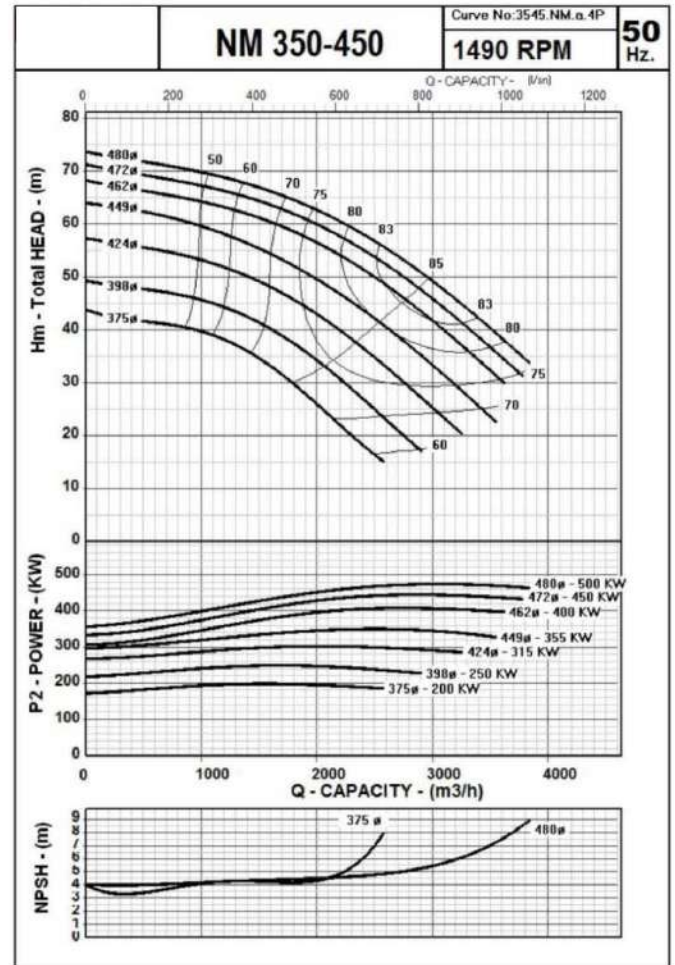
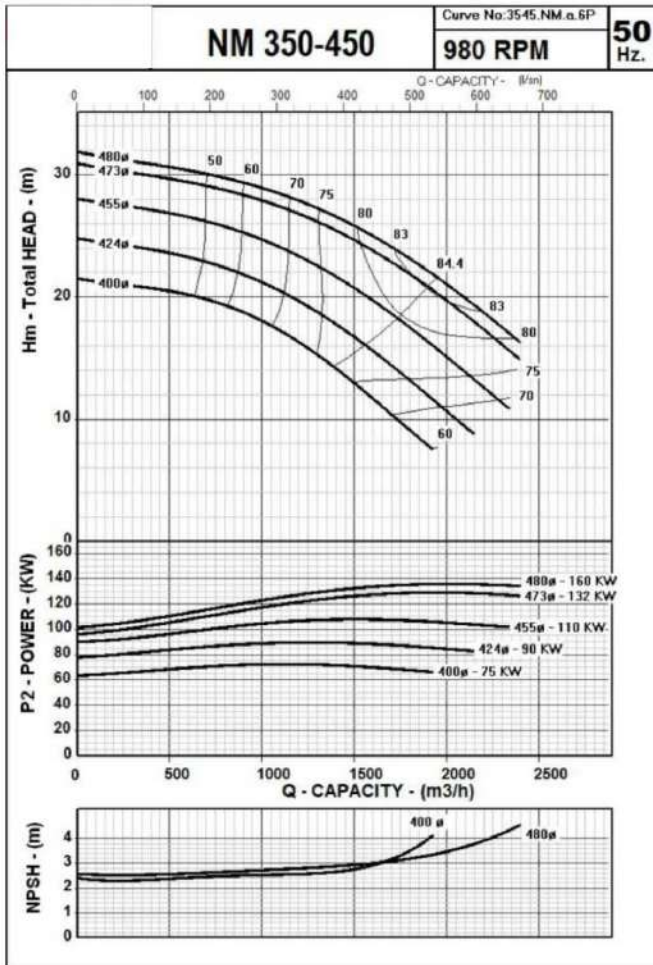
NM Series

End Suction Centrifugal Pumps

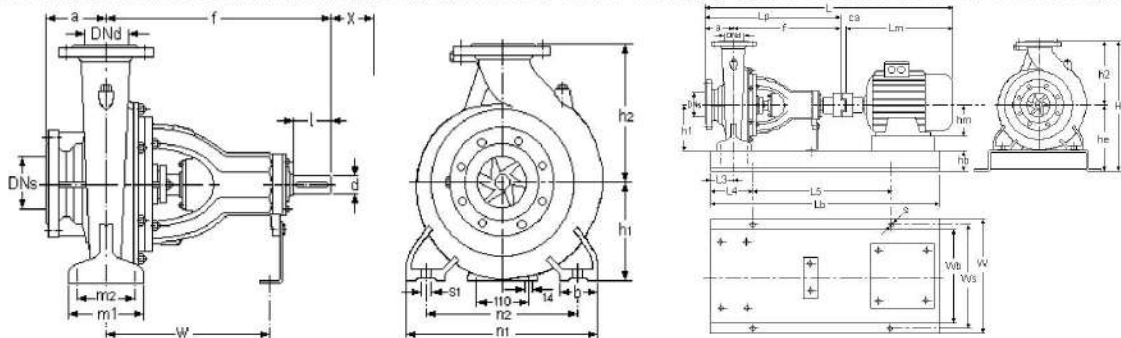
Performance Curves



NM 350-450



The Performance Curves 50 Hz are based on the kinematic viscosity 1 mm²/s and density 1g/cm³. Tolerances are acc. to ISO 9906 Annex A.



Pump Size	Flanges		Length		Height		Mounting Details							Shaft End		(*)	Weight kg
	DNs	DNd	a	f	h1	h2	b	m1	m2	n1	n2	s1	W	d	l	X	
350-450	400	350	280	875	500	700	150	360	290	900	750	M24	560	65	140	300	755

		MOTOR				PUMP		GENERAL			BASE PLATE									
		KW	IEC	Lm	Hm	Lp	Ca	L	W	H	Lb	Wb	Hb	He	L3	L4	L5	Ws	S	
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
350-450	6 poles	75	315S	1098	315	1154	43	2295	1070	1380	2100	950	160x2	680	180	300	1500	1010	24	
		90	315M	1150	315	1154	43	2347	1070	1380	2100	950	160x2	680	180	300	1500	1010	24	
		110	315M	1150	315	1154	43	2347	1070	1380	2100	950	160x2	680	180	300	1500	1010	24	
		132	315L	1220	315	1154	43	2417	1070	1380	2150	950	160x2	680	180	300	1550	1010	24	
		160	355M	1370	355	1154	43	2567	1070	1380	2300	950	160x2	680	180	300	1700	1010	24	
	4 poles	250	355M	1370	355	1154	43	2567	1070	1380	2300	950	160x2	680	180	300	1700	1010	24	
		315	355M	1370	355	1154	43	2567	1070	1380	2300	950	160x2	680	180	300	1700	1010	24	
		355	355M	1370	355	1154	43	2567	1070	1380	2300	950	160x2	680	180	300	1700	1010	24	
		450	400L	1600	400	1154	43	2797	1070	1380	2350	950	160x2	680	180	300	1750	1010	24	
500		400L	1600	400	1154	43	2797	1070	1380	2350	950	160x2	680	180	300	1750	1010	24		

Sistema Pumps reserves the right to change specifications without prior notice.

NM Series

End Suction Centrifugal Pumps

Permissible Loads and Torques on Pump Flanges

Load and torque components on discharge flanges : F_{xD} , F_{yD} , F_{zD} , M_{xD} , M_{yD} , M_{zD}
 Load and torque components on suction flanges : F_{xS} , F_{yS} , F_{zS} , M_{xS} , M_{yS} , M_{zS}
 Dimension for force and torque : N, Nm

$F_{VD} = |F_{yD}|$: Amount of vertical load on discharge flange
 $F_{VS} = |F_{yS}|$: Amount of vertical load on suction flange
 $F_{HD} = (F_{xD}^2 + F_{zD}^2)^{1/2}$: Amount of horizontal load on discharge flange
 $F_{HS} = (F_{xS}^2 + F_{zS}^2)^{1/2}$: Amount of horizontal load on suction flange
 $M_D = (M_{xD}^2 + M_{yD}^2 + M_{zD}^2)^{1/2}$: Amount of torque on discharge flange
 $M_S = (M_{xS}^2 + M_{yS}^2 + M_{zS}^2)^{1/2}$: Amount of torque on suction flange

$\Sigma F_V = 2/3 \times F_{VD} + F_{VS}$: Sum of vertical loads
 $\Sigma F_H = F_{HD} + F_{HS}$: Sum of horizontal loads
 $\Sigma M = M_D + M_S$: Sum of torques

The load on the flange is permissible if the following condition is fulfilled.

$$(\Sigma F_V / \Sigma F_{Vmax})^2 + (\Sigma F_H / \Sigma F_{Hmax})^2 + (\Sigma M / \Sigma M_{max})^2 \leq 1$$

PUMPTYPE	F_{Vmax} [N]	F_{Hmax} [N]	M_{max} [Nm]
NM 32-160	2450	1850	350
NM 32-200			
NM 32-250			

NM 40-160	2550	1900	400
NM 40-200			
NM 40-250			

NM 50-160	2650	1950	450
NM 50-200			
NM 50-250			
NM 50-315	2900	2200	550

NM 65-160	3000	2150	650
NM 65-200			
NM 65-250			
NM 65-315	3250	2250	750
NM 65-400			

NM 80-160	3600	2450	950
NM 80-200			
NM 80-250			
NM 80-315	3850	2600	1050
NM 80-400			

PUMPTYPE	F_{Vmax} [N]	F_{Hmax} [N]	M_{max} [Nm]
NM 100-160	4750	3000	1400
NM 100-250			
NM 100-315	4900	3050	1450
NM 100-400			

NM 125-200	7850	4850	2700
NM 125-250	7050	4300	2300
NM 125-315			
NM 125-400			

NM 150-200	9900	6500	3600
NM 150-250			
NM 150-315	9550	6250	3450
NM 150-400			

NM 200-315	13200	9200	4000
NM 200-400	12750	8350	4600
NM 200-500			

NM 250-315	16500	11500	5000
NM 250-400	15950	10450	5750
NM 250-500			

NM 300-315	19800	13800	6000
NM 300-400			

NM 350-450	23100	16100	7500
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Note: Pumps are mounted on base plate pressed of steel-sheet, filled with grout and discharge branch upward.
 Pump casing materials are GG 25, Bronze, GGG 40 and GS.

NM Series

End Suction Centrifugal Pumps

Moment of Inertia without Coupling

PUMP TYPE	MOMENT OF INERTIA I [kgm ²]					
	Impeller GG 25 ($\rho=7,3 \text{ kg/dm}^3$)		Impeller Bronze ($\rho=8,7 \text{ kg/dm}^3$)		Impeller Cast Steel ($\rho=7,8 \text{ kg/dm}^3$)	
	Without Water	With Water	Without Water	With Water	Without Water	With Water
NM 32-160	0,0062	0,0072	0,0074	0,0084	0,0066	0,0076
NM 32-200	0,0123	0,0142	0,0147	0,0166	0,0131	0,0150
NM 32-250	0,0212	0,0272	0,0309	0,0381	0,293	0,345
NM 40-160	0,0065	0,0072	0,0078	0,0085	0,0070	0,0077
NM 40-200	0,0124	0,0145	0,0148	0,0169	0,0132	0,0153
NM 40-250	0,0293	0,0355	0,0349	0,0411	0,0313	0,0375
NM 50-160	0,0075	0,0087	0,0219	0,0231	0,0080	0,0092
NM 50-200	0,0136	0,0160	0,0142	0,0186	0,0125	0,0169
NM 50-250	0,0318	0,0380	0,0379	0,0441	0,0340	0,0402
NM 50-315	0,0645	0,0800	0,0788	0,0943	0,0696	0,0941
NM 65-160	0,0077	0,0100	0,0092	0,0115	0,0082	0,0105
NM 65-200	0,0150	0,0192	0,0179	0,0221	0,0160	0,0202
NM 65-250	0,0375	0,0465	0,0447	0,0537	0,0401	0,0491
NM 65-315	0,0745	0,0900	0,0888	0,1043	0,0796	0,0951
NM 65-400	0,2100	0,2575	0,2522	0,2997	0,2251	0,2726
NM 80-160	0,0098	0,0127	0,0117	0,0146	0,0105	0,0134
NM 80-200	0,0195	0,0255	0,0232	0,0292	0,0208	0,0268
NM 80-250	0,0400	0,0525	0,0477	0,0602	0,0427	0,0552
NM 80-315	0,0845	0,1077	0,1007	0,1239	0,0903	0,1135
NM 80-400	0,2200	0,2675	0,2622	0,3097	0,2351	0,2826
NM 100-160	0,0127	0,0165	0,0145	0,0188	0,0135	0,0175
NM 100-200	0,0253	0,0327	0,0302	0,0376	0,0270	0,0344
NM 100-250	0,0448	0,0625	0,0534	0,0711	0,0479	0,0656
NM 100-315	0,0895	0,1205	0,1067	0,1377	0,0956	0,1266
NM 100-400	0,2108	0,2650	0,2512	0,3054	0,2252	0,2794
NM 125-200	0,0375	0,0545	0,0447	0,0617	0,0401	0,0571
NM 125-250	0,0520	0,0740	0,0556	0,0776	0,0620	0,0840
NM 125-315	0,1058	0,1480	0,1261	0,1683	0,1130	0,1552
NM 125-400	0,2358	0,3098	0,2810	0,3550	0,2520	0,3260
NM 150-200	0,0475	0,0645	0,0547	0,0717	0,0501	0,0671
NM 150-250	0,0675	0,0975	0,0804	0,1104	0,0721	0,1021
NM 150-315	0,1507	0,2123	0,1796	0,2412	0,1610	0,2226
NM 150-400	0,2707	0,3608	0,3226	0,4127	0,2892	0,3793
NM 150-500	0,6760	0,8450	0,8056	0,9746	0,7223	0,8913
NM 200-315	0,3007	0,3908	0,3526	0,4427	0,3192	0,4093
NM 200-400	0,4030	0,5440	0,4803	0,6213	0,4306	0,5716
NM 200-500	0,7728	0,9815	0,9210	1,1297	0,8257	1,0344

NM Series

End Suction Centrifugal Pumps

Moment of Inertia without Coupling

PUMP TYPE	MOMENT OF INERTIA I [kgm ²]					
	Impeller GG 25 ($\rho=7,3 \text{ kg/dm}^3$)		Impeller Bronze ($\rho=8,7 \text{ kg/dm}^3$)		Impeller Cast Steel ($\rho=7,8 \text{ kg/dm}^3$)	
	Without Water	Without Water	With Water	Without Water	With Water	Without Water
NM 250–315	0,2167	0,3077	0,2583	0,3493	0,2315	0,3225
NM 250–400	0,5595	0,7442	0,6668	0,8515	0,5978	0,7825
NM 250–500	0,9322	1,1932	1,1110	1,3720	0,9961	1,2571
NM 300–315	0,3595	0,4442	0,4668	0,5515	0,3978	0,5825
NM 300–400	0,4400	0,5985	0,5244	0,6829	0,4701	0,6286
NM 350–450	1,2000	1,850	1,4301	2,0801	1,2822	1,9322

For the water filling $\rho=1 \text{ kg/dm}^3$ is used. In case the handled liquid has a different density or the impeller is made of other materials having also a different density, calculate moment of inertia according to the following examples.

Example: Pump Size NM 100-250

Handled liquid density $\rho=1.25 \text{ kg/dm}^3$, impeller cast iron GG $\rho=7.3 \text{ kg/dm}^3$

$$I = (0.0625 - 0.0448) \times 1.25 + 0.0448 = 0.0669 \text{ kgm}^2$$

Handled liquid density $\rho=1 \text{ kg/dm}^3$, impeller $\rho=8 \text{ kg/dm}^3$ (conversion from GG $\rho=7.3 \text{ kg/dm}^3$)

$$I = 0.0448 \times 8 / 7.3 + (0.0625 - 0.0448) = 0.0668 \text{ kgm}^2$$

Handled liquid density $\rho=1.25 \text{ kg/dm}^3$, impeller $\rho=8 \text{ kg/dm}^3$

(Conversion from GG $\rho=7.3 \text{ kg/dm}^3$ and water $\rho=1 \text{ kg/dm}^3$)

$$I = 0.0448 \times 8 / 7.3 + (0.0625 - 0.0448) \times 1.25 = 0.0712 \text{ kgm}^2$$

NM Series

End Suction Centrifugal Pumps

MEI VALUE TABLE

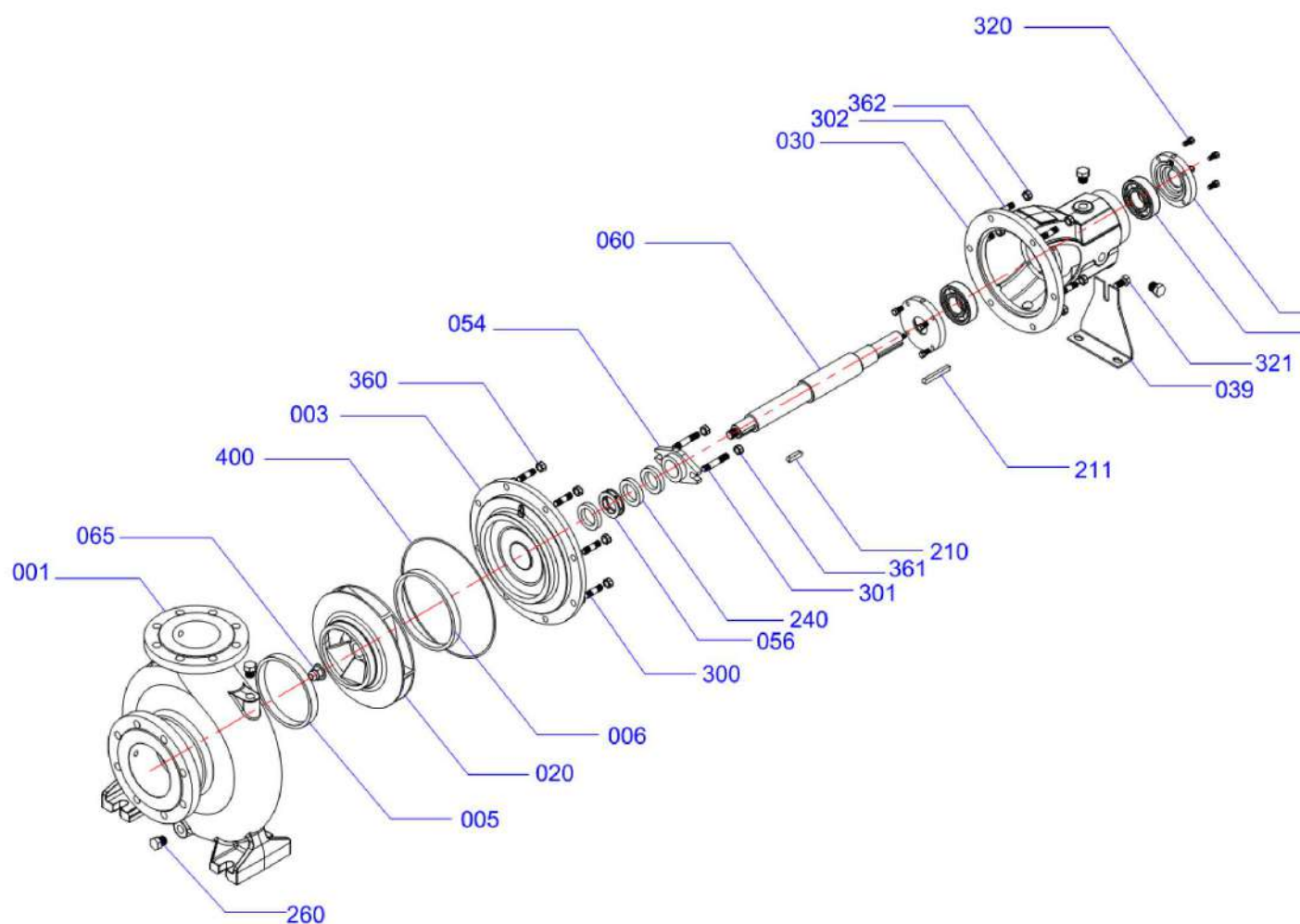
1450 rpm	Speed (rpm)	MEI
NM32-160	1450	0.6
NM 32-200	1450	0.7
NM 32-250	1450	0.5
NM 40-160	1450	0.4
NM 40-200	1450	0.7
NM 40-250	1450	0.7
NM 50-160	1450	0.4
NM 50-200	1450	0.6
NM 50-250	1450	0.6
NM 50-315	1450	0.5
NM 65-160	1450	0.6
NM 65-200	1450	0.5
NM 65-250	1450	0.5
NM 65-315	1450	0.6
NM 65-400	1450	0.6
NM 80-160	1450	0.4
NM 80-200	1450	0.4
NM 80-250	1450	0.4
NM 80-315	1450	0.6
NM 80-400	1450	0.4
NM 100-160	1450	0.5
NM 100-200	1450	0.4
NM 100-250	1450	0.5
NM 100-315	1450	0.5
NM 100-400	1450	0.4
NM 125-200	1450	0.4
NM 125-250	1450	0.5
NM 125-315	1450	0.5
NM 125-400	1450	0.6
NM 150-200	1450	0.4
NM 150-250	1450	0.4
NM 150-315	1450	0.4
NM 150-400	1450	0.6
NM 200-315	1450	0.4
NM 250-315	1450	0.4
NM 300-315	1450	0.4
NM 300-315A	1450	0.4

2900 rpm	Speed (rpm)	MEI
NM 32-160	2900	0.6
NM 32-200	2900	0.7
NM 32-250	2900	0.5
NM 40-160	2900	0.4
NM 40-200	2900	0.7
NM 40-250	2900	0.7
NM 50-160	2900	0.4
NM 50-200	2900	0.6
NM 50-250	2900	0.6
NM 50-315	2900	0.5
NM 65-160	2900	0.6
NM 65-200	2900	0.5
NM 65-250	2900	0.5
NM 65-315	2900	0.6
NM 80-160	2900	0.6
NM 80-200	2900	0.4
NM 80-250	2900	0.4
NM 80-315	2900	0.4
NM 100-160	2900	0.6
NM 100-200	2900	0.4
NM 100-250	2900	0.5
NM 100-315	2900	0.4

NM Series

End Suction Centrifugal Pumps

Exploded View



PART NO	PARTNAME	PART NO	PARTNAME
01	Pump Casing	211	Coupling Key
03	Stuffing Box	240	Gland Packing
20	Impeller	260	Drain Plug
05	Wear Ring	300	Stud
30	Bearing Housing	301	Stud for Gland
35	Bearing Housing Cover	302	Stud
39	Supporting Foot	320	Hexagonal Bolt
54	Gland	321	Hexagonal Bolt
56	Lantern Ring	360	Hexagonal Nut
60	Pump Shaft	361	Hexagonal Nut for Gland
65	Impeller Nut	362	Hexagonal Nut
200	Ball Bearing	400	O-Ring
210	Impeller Key		



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