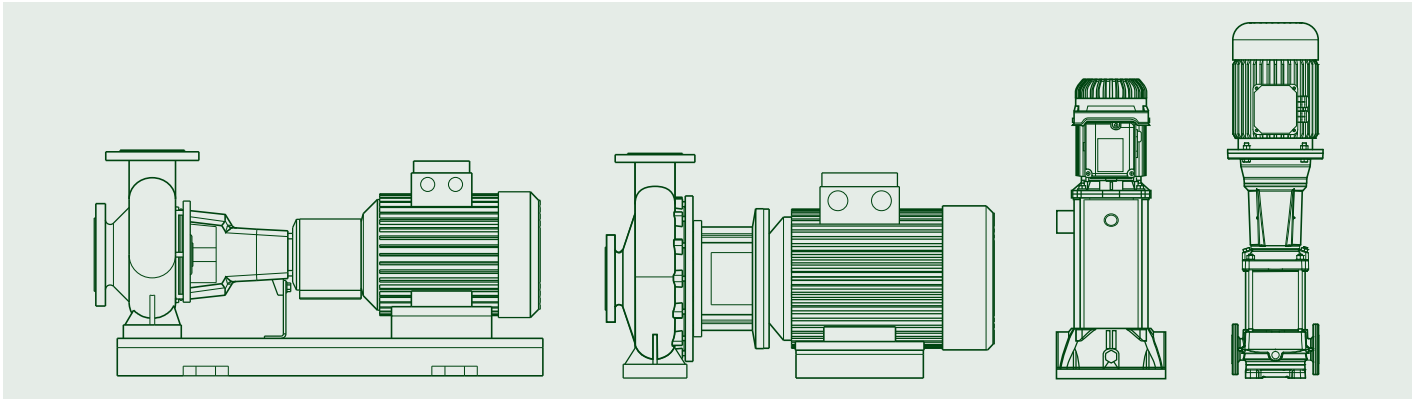




WATER • TECHNOLOGY

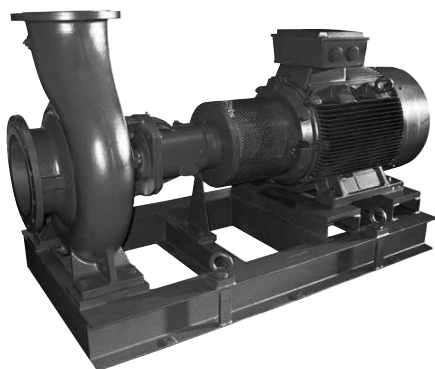
# CENTRIFUGAL PUMPS



# TECHNICAL CATALOGUE

# KDN OVERSIZE

## STANDARDISED PUMPS



**IE3 ≥ 0,75 kW**

### TECHNICAL DATA

**Rotation speed:** 970 - 1450 - 2900 1/min

**Operating range:**  
from 4 to 3200 m<sup>3</sup>/h with head up to 158 metres

**Pumped liquid:** clean, free of solids and abrasives, non-viscous, non-aggressive, non-crystallised and chemically neutral, with properties similar to water

**Pumped liquid temperature range:** from -20°C to +120°C

**Maximum ambient temperature:** +40 °C

**Maximum operating pressure:**

16 bar as standard up to DN 200, 10 bar for KDN 250 - 300 - 350

Optional PN 16 for KDN 250 - 300 - 350 in the spheroidal cast iron version (H)

**Installation:** normally in the horizontal position

**Special executions on requests:** pumps for liquids other than water  
Special materials and other voltages and/or frequencies

### APPLICATIONS

Standardised centrifugal monobloc electric pumps with coupling, designed for a wide range of applications, such as:

- Central heating
- Water supply
- Air conditioning
- Refrigeration
- Industry
- Fire fighting
- Environmental engineering

### CONSTRUCTION FEATURES OF THE PUMP

Non self-priming single stage spiral body centrifugal pump with axial suction port, radial delivery port and horizontal axis components, in compliance with ISO 2858/DIN 24256.

KDN pumps have PN 16 nominal sizes and performances.

The suction and delivery flanges are in compliance with EN 7005 PN 10 or 16. All the pumps are dynamically balanced according to ISO 1940 class 6.3; the impellers are hydraulically balanced.

Pump and motor are installed on a single base according to EN 23 661, made of fully welded steel.

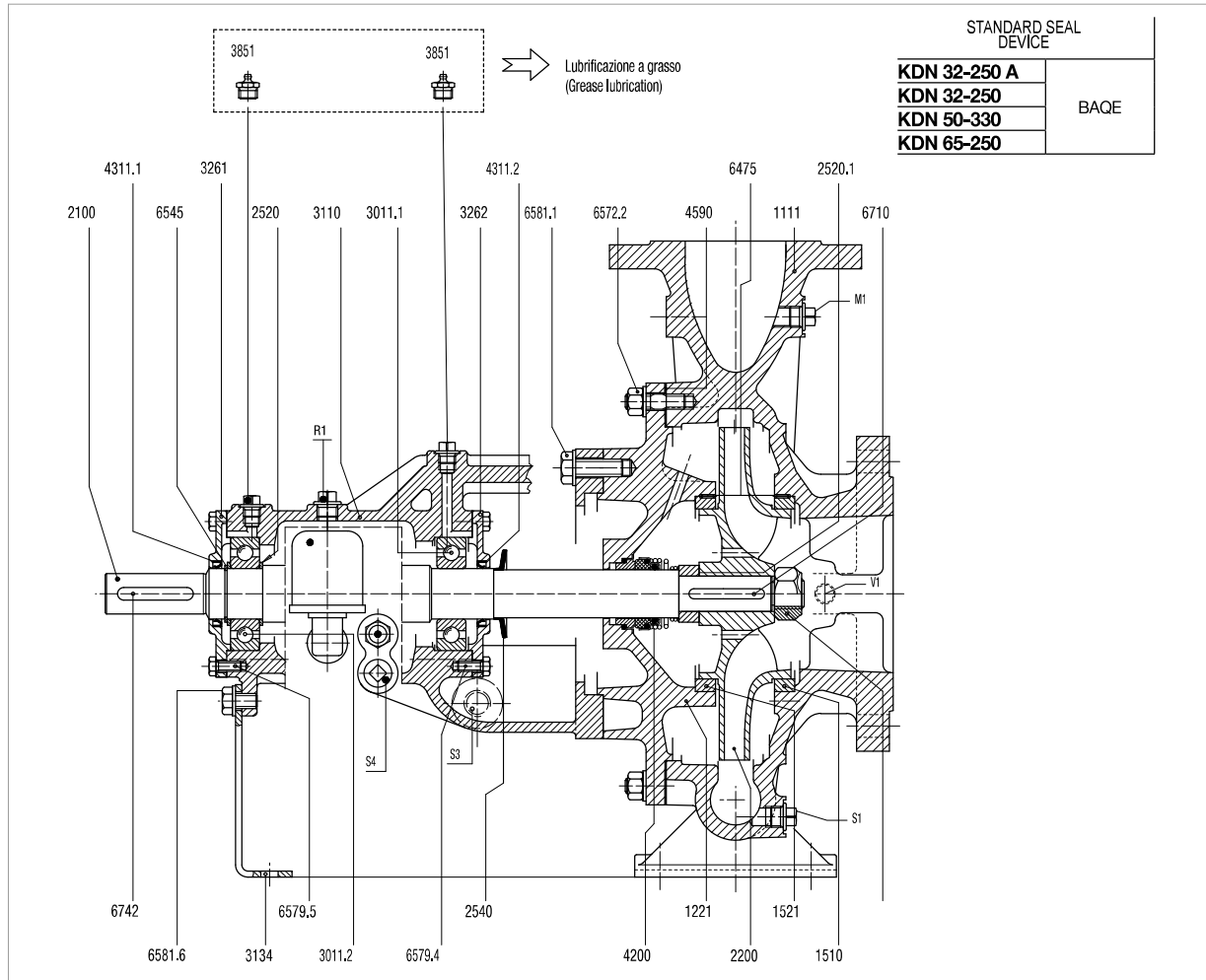
Oversize pumps have a base with welded steel profiles.

Thanks to the particular pump design, the bearings, the impeller, and the seal can be removed without detaching the pump body from the piping (back-pull-out design).

# KDN OVERSIZE

## STANDARDISED PUMPS

### MATERIALS



No.	PARTS	MATERIALS
1111	PUMP BODY	CAST IRON GG25
1221	COVER	CAST IRON GG25
1510	FRONT END WEAR RING	CAST IRON GG25
1521	REAR END WEAR RING	CAST IRON GG25
2100	SHAFT	AISI 420
2200	IMPELLER	CAST IRON GG25 CAST IRON GS400 CAST IRON GS400 CF8M STEEL
2520	SHOULDER RING	STEEL
2520.1	SHOULDER RING	STEEL
2540	THROWER	RUBBER
2912	IMPELLER NUT	CAST IRON GG25
3011.1	BALL BEARING	NA
3011.2	BALL BEARING	NA
3110	SUPPORT	CAST IRON GG25
3134	SUPPORT FOOT	STEEL
3261	BEARING COVER, DRIVE SIDE	CAST IRON GG25
3262	BEARING COVER, PUMP SIDE	CAST IRON GG25
4200	MECHANICAL SEAL	CARBON/SILICON CARBIDE
4311.1	SEAL RING	NBR
4311.2	SEAL RING	NBR

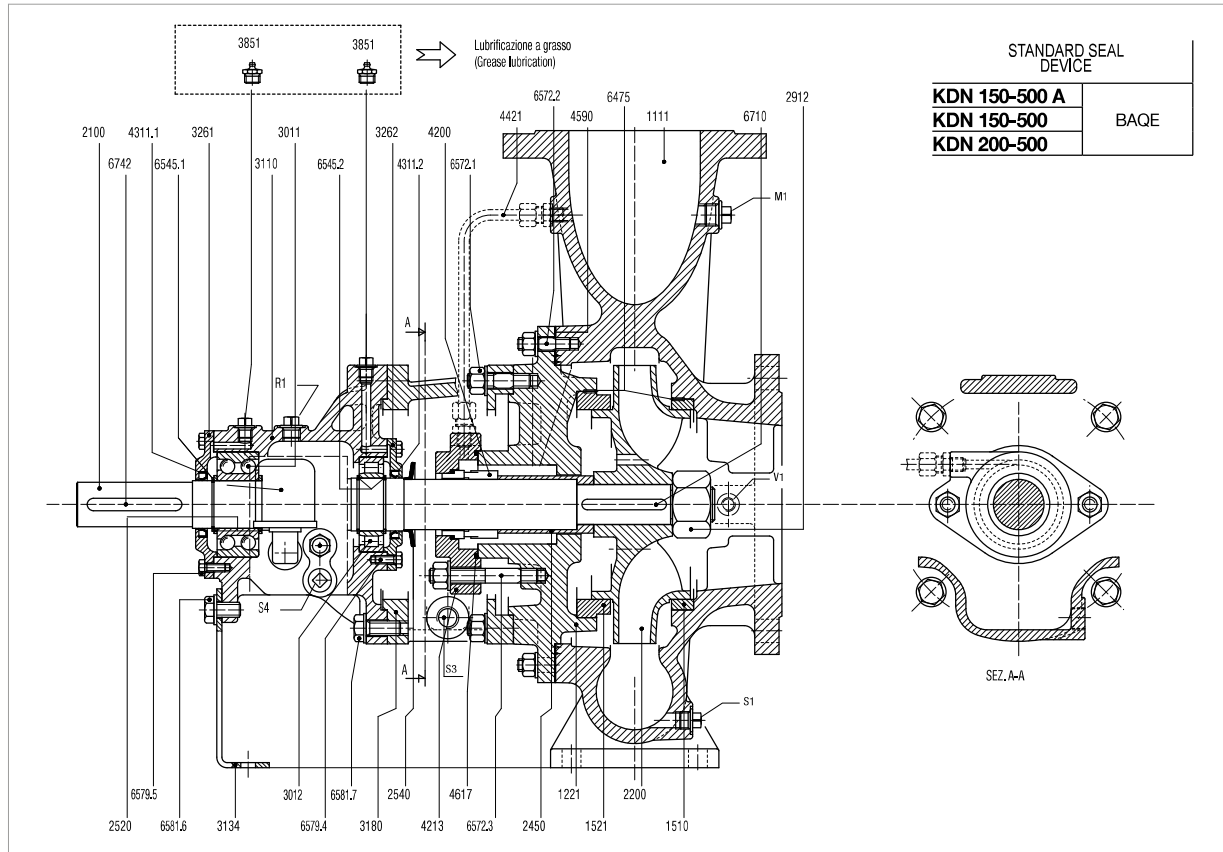
No.	PARTS	MATERIALS
4590	GASKET	NONAM
6475	DOWEL	STEEL 8,8
6545	SHAFT CIRCLIP	STEEL
6572.2	STUD BOLT + WASHER + NUT	STEEL
6579.4	SCREW	STEEL 8,8
6579.5	SCREW	STEEL 8,8
6581.1	SCREW + WASHER	STEEL 8,8
6581.6	SCREW + WASHER	STEEL 8,8
6710	IMPELLER KEY	STEEL
6742	COUPLING KEY	STEEL
M1	PRESSURE GAUGE CONNECTION	
R1	OIL FILLING	
S1	PUMP DRAIN PLUG	
S3	MECH. SEAL /PACKING DRAIN CONNECTION	
S4	OIL DRAIN PLUG	
V1	VACUUM GAUGE CONNECTION	
	<b>GREASE LUBRICATION</b>	
3851	GREASER	



# KDN OVERSIZE

## STANDARDISED PUMPS

### MATERIALS



No.	PARTS	MATERIALS
1111	PUMP BODY	CAST IRON GG25
1221	COVER	CAST IRON GG25
1510	FRONT END WEAR RING	CAST IRON GG25
1521	REAR END WEAR RING	CAST IRON GG25
2100	SHAFT	AISI 420
2200	IMPELLER	CAST IRON GG25
2450	SHAFT SLEEVE	AISI 303
2520	SHOULDER RING	STEEL
2540	THROWER	RUBBER
2912	IMPELLER NUT	CAST IRON GG25
3011	BALL BEARING	NA
3012	ROLLER BEARING	NA
3110	SUPPORT	CAST IRON GG25
3134	SUPPORT FOOT	STEEL
3180	SUPPORT	CAST IRON GG25
3261	BEARING COVER, DRIVE SIDE	CAST IRON GG25
3262	BEARING COVER, PUMP SIDE	CAST IRON GG25
4200	MECHANICAL SEAL	CARBON/SILICON CARBIDE
4213	CARRIER FOR MECHANICAL SEAL	CAST IRON GS400
4311.1	SEAL RING	NBR
4311.2	SEAL RING	NBR

No.	PARTS	MATERIALS
4421	PIPE	AISI 316
4590	GASKET	NONAM
4617	O-RING	NBR
6475	DOWEL	STEEL 8.8
6545.1	SHAFT CIRCLIP	STEEL
6545.2	SHAFT CIRCLIP	STEEL
6572.1	STUD BOLT + WASHER + NUT	STEEL
6572.2	STUD BOLT + WASHER + NUT	STEEL
6572.3	STUD BOLT + WASHER + NUT	STEEL
6579.4	SCREW	STEEL 8.8
6579.5	SCREW	STEEL 8.8
6581.6	SCREW + WASHER	STEEL 8.8
6710	IMPELLER KEY	STEEL
6742	COUPLING KEY	STEEL
M1	PRESSURE GAUGE CONNECTION	
R1	OIL FILLING	
S1	PUMP DRAIN PLUG	
S3	MECH. SEAL /PACKING DRAIN CONNECTION	
V1	VACUUM GAUGE CONNECTION	
<b>GREASE LUBRICATION</b>		
3851	GREASER	

CENTRIFUGAL PUMPS



# KDN OVERSIZE

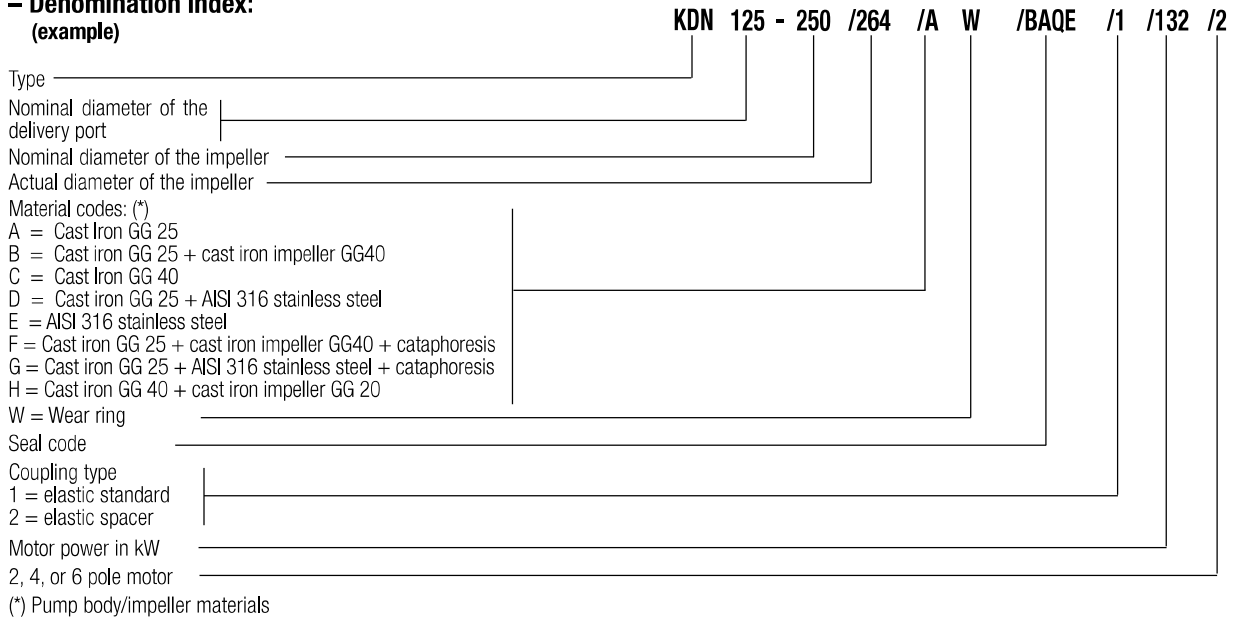
## STANDARDISED PUMPS

### PRODUCT DESCRIPTION

In the description of the pumps without a motor, the motor data are not mentioned. In the description of the bare shaft pump no mention is made of the coupling or motor data.

The example describes an KDN 125-250 with 264 mm. impeller, in cast iron with wear rings, with BAQE type mechanics, standard coupling, and a 132 kW 2-pole motor.

### - Denomination index: (example)



### PACKING CODES

Position	Code	Description of the seal
1	S	Stuffing box type
Position		Cooling
2	N	Stuffing box not cooled
	K	Stuffing box cooled
Position		Sealing liquid
	E	With internal liquid
3	F	With external liquid
	0	Without sealing liquid

### DESCRIPTION OF THE MECHANICAL SEAL

Position	Code	Description of the seal
1	A	O-ring seal with fixed guide
	B	Rubber bellows seal
	C	O-ring seal with spring guide
	D	O-ring seal balanced
	G	Rubber bellows seal with reduced seal faces
	M	Rubber bellows seal
	X	Metal bellows seal
Position		Materials
2 & 3	A	Impregnated carbon/metal
	B	Impregnated carbon/synthetic resin
	C	Other carbon types
	S	Chromium steel
	U	Tungsten carbide
	Q	Silicon carbide
	V	Aluminium oxide (ceramic)
X	Other types of ceramic/carbide	
Position		Materials
4	P	Nitrile rubber (NBR)
	S	Silicon rubber
	T	Teflon (PTFE)
	E	EPDM
	V	FKM
	M	PTFE coated O-ring

- Flow rate: max 3200 m<sup>3</sup>/h

- Head: max 157 m3/h

Pumped liquid temperature range: from -10 °C to +120 °C (other temperatures available on request)

- Operating pressure: 16 bar as standard up to DN 200, 10 bar for KDN 250 - 300 - 350

Optional PN 16 for KDN 250 - 300 - 350 in the spheroidal cast iron version (H).

# KDN OVERSIZE

## STANDARDISED PUMPS

### PRODUCT CODE DESCRIPTION

NOMINAL DIAMETER OF THE IMPELLER	Cod.
250	4
400	8
500	9
330A	A
330	B
500A	D
400M	E
400A	F
250A	G

Cod.	PUMP/IMPELLER MATERIALS
A	Spheroidal cast iron + cast iron impeller + W*
5	Cast iron/cast iron + W*
6	Cast iron/spheroidal cast iron + W*
7	Full spheroidal cast iron + W*
8	Cast iron/AISI 316 impeller + W*
9	Full AISI 316 + W*
P	6 + Cataphoresis
R	8 + Cataphoresis

\* With wear rings

Cod.	JOINT
0	Without coupling *)
1	With standard coupling
2	With spacer coupling

PUMP TYPE	Cod.
32 oversize	L
65 oversize	A
80 oversize	B
100 oversize	C
125 oversize	D
150 oversize	H
200 oversize	E
250 oversize	F
300 oversize	G
350 oversize	I

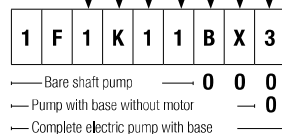
Cod.	SEAL (1)
1	BAQE
2	BAQE (RMG12)
5	BQQV
7	BAQV
A	SNE
B	SNO
C	SNF
D	SKO
E	GQOE
F	GQQV
G	BQOE
S	DUCE
T	CUCE

(1) For standard seals see the Technical Data section

Cod.	P2 NOMINAL
0	bare shaft
1	0,37
2	0,55
3	0,75
4	1,1
5	1,5
6	2,2
7	3
8	4
9	5,5
A	7,5
B	11
C	15
D	18,5
E	22
F	30
G	37
H	45
K	55
L	75
M	90
N	110
P	132
Q	160
R	200
S	250
T	315
U	355
V	400
W	450
Z	500

Cod.	VOLTAGE	PO-LES
0	Without motor	
1	3 x 220-240/380-415 V 50 Hz(<0,75 kW) 3 x 220-277/380-480 V 60 Hz	2
2	3 x 380-480 V 60 Hz	2
3	3 x 220-240/380-415 V 50 Hz(<0,75 kW) 3 x 220-277/380-480 V 60 Hz	4
4	3 x 380-480 V 60 Hz	4
7	3 x 220-240/380-415 V 50 Hz(<0,75 kW) 3 x 220-277/380-480 V 60 Hz	6
8	3 x 380-480 V 60 Hz	6
A	3 x 220-240/380-415 V 50 Hz - IE2	2
B	3 x 380-415 V 50 Hz - IE2	2
C	3 x 220-240/380-415 V 50 Hz - IE2	4
D	3 x 380-415 V 50 Hz - IE2	4
E	3 x 220-240/380-415 V 50 Hz - IE2	6
F	3 x 380-415 V; 50 Hz; e45; IE2	6
U	3 x 220-240/380-415 V 50 Hz - IE3	2
V	3 x 380-415 V 50 Hz - IE3	2
W	3 x 220-240/380-415 V 50 Hz - IE3	4
X	3 x 380-415 V 50 Hz - IE3	4
Y	3 x 220-240/380-415 V 50 Hz - IE3	6
Z	3 x 380-415 V 50 Hz - IE3	6

Product code





# KDN OVERSIZE

## STANDARDISED PUMPS

### GENERAL DATA

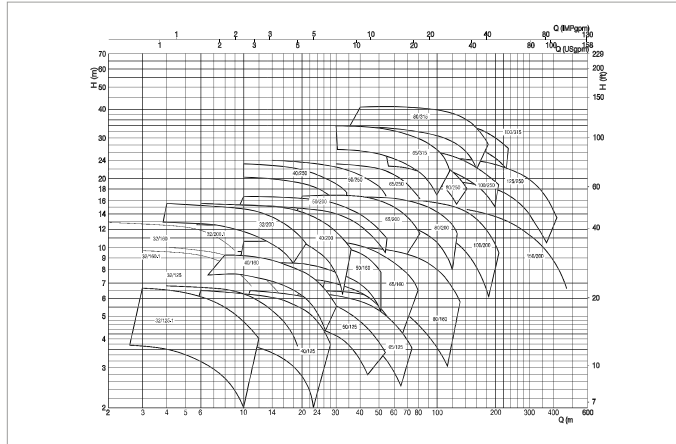
Supplied with closed asynchronous type motor, external ventilation cooling, 2 or 4 poles.

Rotor running on ball bearings, largely oversized to ensure low noise and durability.

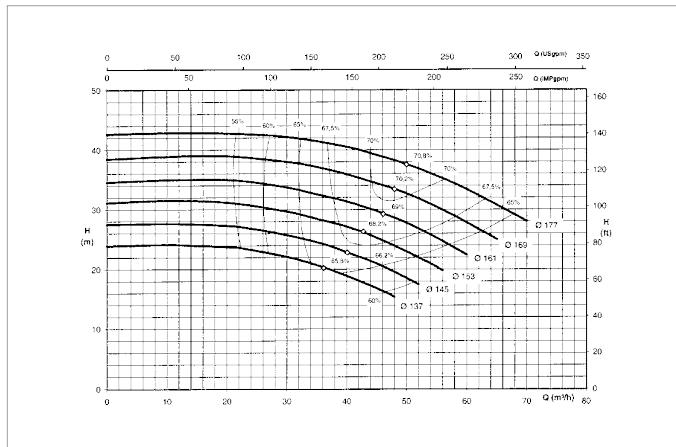
Electrical protection: in compliance with the EEC 89/336 ELECTROMAGNETIC COMPATIBILITY DIRECTIVE and subsequent amendments, the EEC 73/23 LOW VOLTAGE DIRECTIVE and subsequent amendments, as well as CEI 2-3 standards.

### INSTRUCTIONS FOR THE IDENTIFICATION OF THE PUMP AND MOTOR REQUIRED.

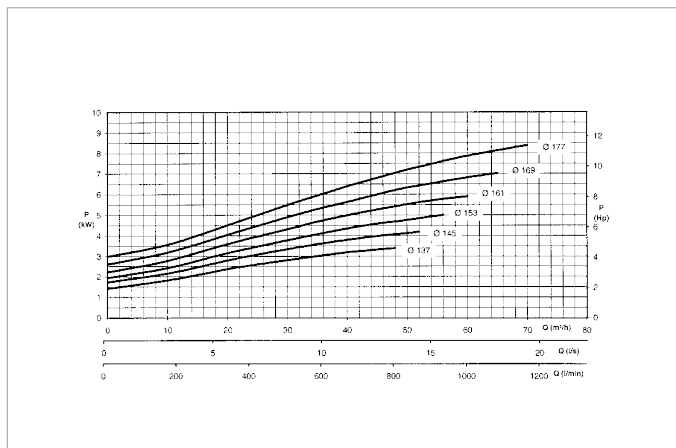
1. On the general chart supplied, find the family pump that indicatively offers the required flow rate and head characteristics.



2. Look for the most appropriate characteristic on the characteristic curves for each family.



3. On the power chart, identify the power required by the pump in order to operate at the required level.



4. Due to the possibility of variations in the pumped liquid flow rate, which can cause an oscillation of the point of operation, a higher power absorption may occur. When selecting the motor, allow for the following safety margins:

### Safety margin according to ISO 5199

REQUIRED PUMP SHAFT POWER (kW)	POWER OF THE MOTOR TO USE P2 (kW)
322	355
286	315
227	250
181	200
145	160
120	132
100	110
81	90
68	75
49	55
40	45
32.5	37
26	30
19	22
15.9	18.5
12.8	15
9.1	11
6.1	7.5
4.3	5.5
3.2	4
2.3	3
1.7	2.2
1.1	1.5
0.81	1.1
0.55	0.75
0.40	0.55
0.27	0.37
0.18	0.25

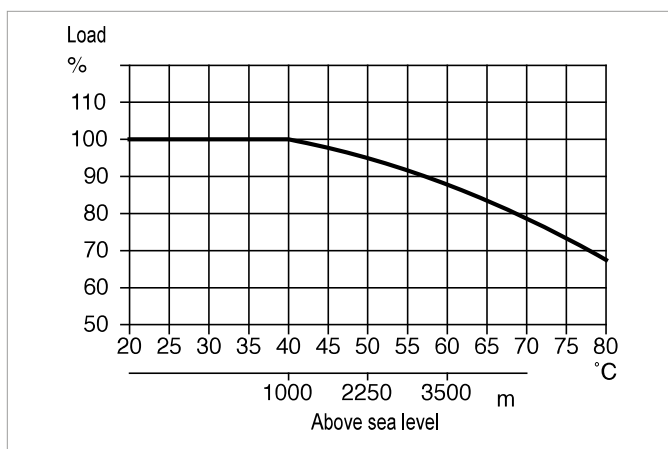
If the pump is to be used with liquids with fairly high specific weight and viscosity values, apply any required corrections to the power of the motor to be installed (check the suitability of the construction materials in contact with the liquid).

5. With the name of the pump and the power of the motor, look through the following technical data to find the name of the most suitable base (complete with motor, spacer coupling, and coupling cover).
6. The pump and base required will be delivered already assembled and aligned, although an alignment check is always required after installation (see INSTRUCTION MANUAL).

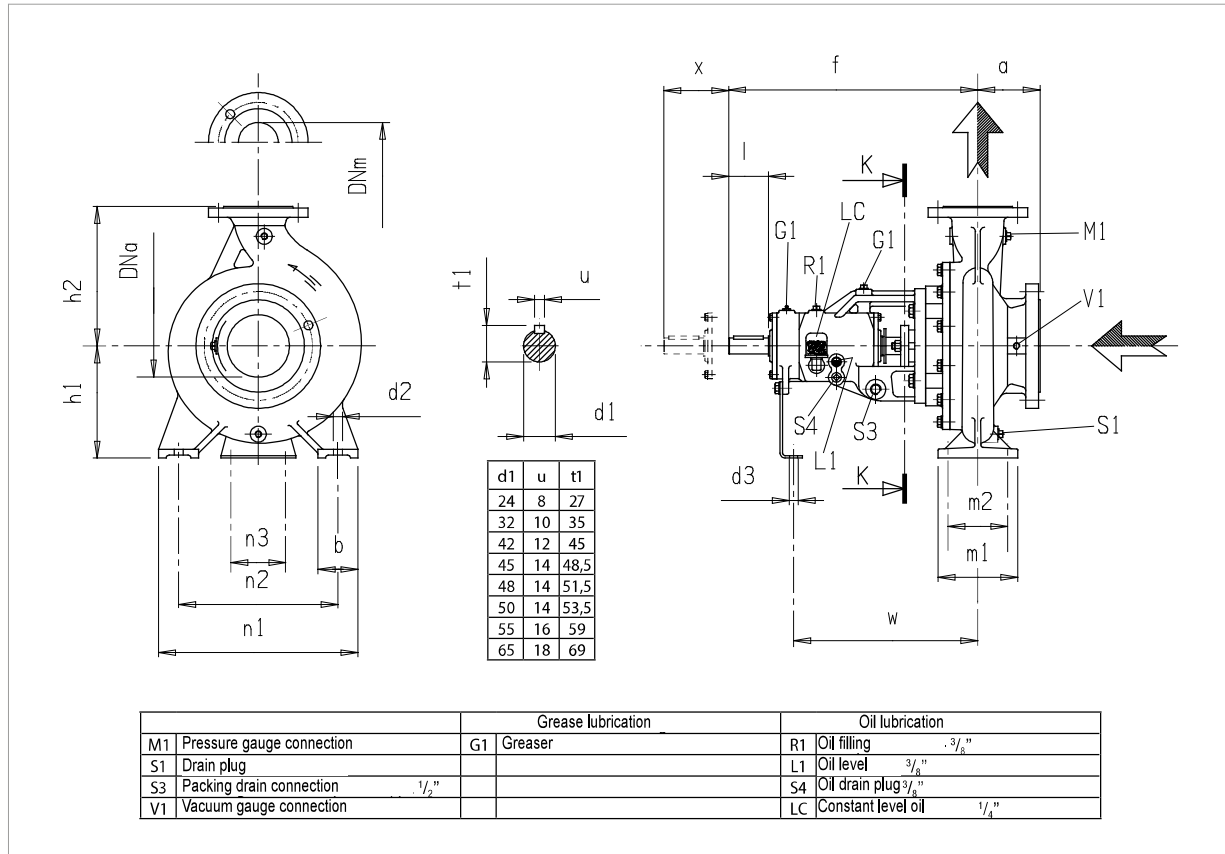
### Ambient temperature

From -30 °C to +40 °C

Due to the low density, and therefore low cooling effect of the air, operation at an ambient temperature above 40 °C, or at an altitude exceeding 1000 m above sea level, requires a reduction of the rated motor load in accordance with this table.



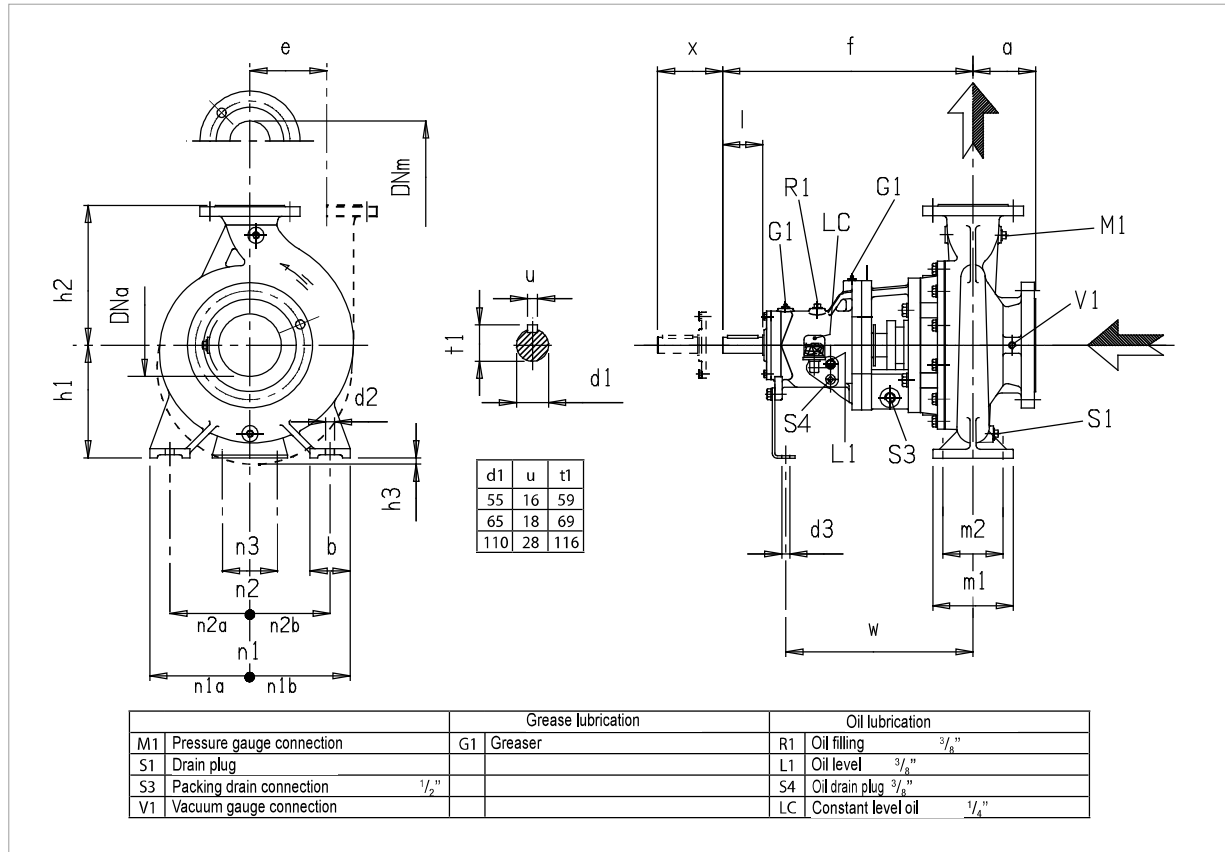
### DIMENSIONS OF BARE SHAFT PUMPS



TYPE	Supp	DNA	DNM	a	f	h1	h2	b	m1	m2	n1	n2	d2	n3	d3	w	x	d1	l	M1	S1	V1	kg
KDN 32-250A	2	50	32	100	500	180	225	65	125	95	320	250	14	110	14	370	100	32	80	3/8"	1/4"	1/4"	78
KDN 32-250	2	50	32	100	500	180	225	65	125	95	320	250	14	110	14	370	100	32	80	3/8"	1/4"	1/4"	78
KDN 50-330	2	80	50	125	500	225	280	65	125	95	345	280	14	110	14	370	100	32	80	3/8"	1/4"	1/4"	116
KDN 65-250	2	100	65	125	500	200	250	80	160	120	360	280	18	110	14	370	140	32	80	3/8"	1/4"	1/4"	88
KDN 65-330	3	100	65	125	530	225	280	80	160	120	400	315	18	110	14	370	140	42	110	3/8"	1/4"	1/4"	152
KDN 65-400	3	100	65	125	530	280	355	80	160	120	435	355	18	110	14	370	140	42	110	3/8"	1/4"	1/4"	180
KDN 80-250	2	125	80	125	500	225	280	80	160	120	400	315	18	110	14	370	140	32	80	3/8"	3/8"	3/8"	100
KDN 80-330	3	125	80	125	530	250	315	80	160	120	400	315	18	110	14	370	140	42	110	3/8"	3/8"	3/8"	155
KDN 80-400	3	125	80	125	530	280	355	80	160	120	435	355	18	110	14	370	140	42	110	3/8"	3/8"	3/8"	185
KDN 100-250	3	125	100	140	530	225	280	80	160	120	400	315	18	110	14	370	140	42	110	3/8"	3/8"	3/8"	130
KDN 100-330	3	125	100	140	530	250	315	80	160	120	400	315	18	110	14	370	140	42	110	3/8"	3/8"	3/8"	170
KDN 100-400	3	125	100	140	530	280	355	100	200	150	500	400	23	110	14	370	140	42	110	3/8"	3/8"	3/8"	200
KDN 125-250	3	150	125	140	530	250	355	80	160	120	400	315	18	110	14	370	140	42	110	1/2"	3/8"	3/8"	140
KDN 125-330	3	150	125	140	530	280	355	100	200	150	500	400	23	110	14	370	140	42	110	1/2"	3/8"	3/8"	190
KDN 125-400	3	150	125	140	530	315	400	100	200	150	500	400	23	110	14	370	140	42	110	1/2"	3/8"	3/8"	220
KDN 150-250	3	200	150	160	530	280	375	100	200	150	500	400	23	110	14	370	180	42	110	1/2"	1/2"	3/8"	180
KDN 150-330	4	200	150	160	670	315	400	100	200	150	550	450	22	140	18	500	180	55"	110	1/2"	1/2"	3/8"	255
KDN 150-400	4	200	150	160	670	315	450	100	200	150	550	450	22	140	18	500	180	55"	110	1/2"	1/2"	3/8"	298
KDN 150-500A	4	200	150	180	670	355	500	100	200	150	550	450	22	140	18	500	180	55	110	1/2"	1/2"	3/8"	410
KDN 150-500	4	200	150	180	670	355	500	100	200	150	550	450	22	140	18	500	180	55	110	1/2"	1/2"	3/8"	410

<sup>1)</sup> Size d1 Ø 48 on request for pumps according to DIN 24256 - ISO 2858

### DIMENSIONS OF BARE SHAFT PUMPS



TYPE	Supp	DNA	DNM	a	f	h1	h2	b	m1	m2	n1	n1a	n1b	n2	n2a	n2b	d2	n3	d3	h3	e	w	x	d1	l	M1	S1	V1	kg
KDN 200-330	4	250	200	200	670	355	450	100	200	150	550	275	275	450	225	225	22	140	18			500	180	55	110	1/2"	1/2"	3/8"	360
KDN 200-400	4	250	200	185	670	355	500	100	200	150	550	275	275	450	225	225	22	140	18			500	180	55	110	1/2"	1/2"	3/8"	390
KDN 200-500	4	250	200	185	670	400	580	140	250	190	800	400	400	660	330	330	27	140	18	15		500	180	55	110	1/2"	1/2"	3/8"	400
KDN 250-330A	4	300	250	250	670	400	525	140	250	190	700	350	350	560	280	280	27	140	18			500	240	55	110	1/2"	1/2"	3/8"	410
KDN 250-330	4	300	250	250	670	400	525	140	250	190	700	350	350	560	280	280	27	140	18			500	240	55	110	1/2"	1/2"	3/8"	410
KDN 250-400	5	300	250	225	780	400	600	125	250	190	690	345	345	560	280	280	27	140	18			545	180	65	140	1/2"	1/2"	3/8"	650
KDN 250-500A	5	300	250	300	800	500	500	130	260	190	830	380	450	710	320	390	27	140	18		425	565	250	65	140	1/2"	1/2"	3/8"	700
KDN 250-500	5	300	250	300	800	500	500	130	260	190	830	380	450	710	320	390	27	140	18		425	565	250	65	140	1/2"	1/2"	3/8"	700
KDN 300-330	4	350	300	300	720	500	670	150	360	280	900	450	450	750	375	375	27	140	18			550	240	55	110	1/2"	1/2"	3/8"	780
KDN 300-400M	5	350	300	300	845	500	670	150	360	280	900	450	450	750	375	375	27	140	18			610	240	65	140	1/2"	1/2"	3/8"	900
KDN 300-400A	5	350	300	325	790	400	640	125	250	190	690	345	345	560	280	280	27	140	18			555	240	65	140	1/2"	1/2"	3/8"	800
KDN 300-400	5	350	300	325	790	400	640	125	250	190	690	345	345	560	280	280	27	140	18			555	240	65	140	1/2"	1/2"	3/8"	800
KDN 350-500A	6	400	350	380	1150	600	600	150	400	300	1000	450	550	850	375	475	27	140	18		450	800	380	110	210	1/2"	1/2"	3/8"	1080
KDN 350-500	6	400	350	380	1150	600	600	150	400	300	1000	450	550	850	375	475	27	140	18		450	800	380	110	210	1/2"	1/2"	3/8"	1080

# KDN OVERSIZE - 2 POLE RANGE

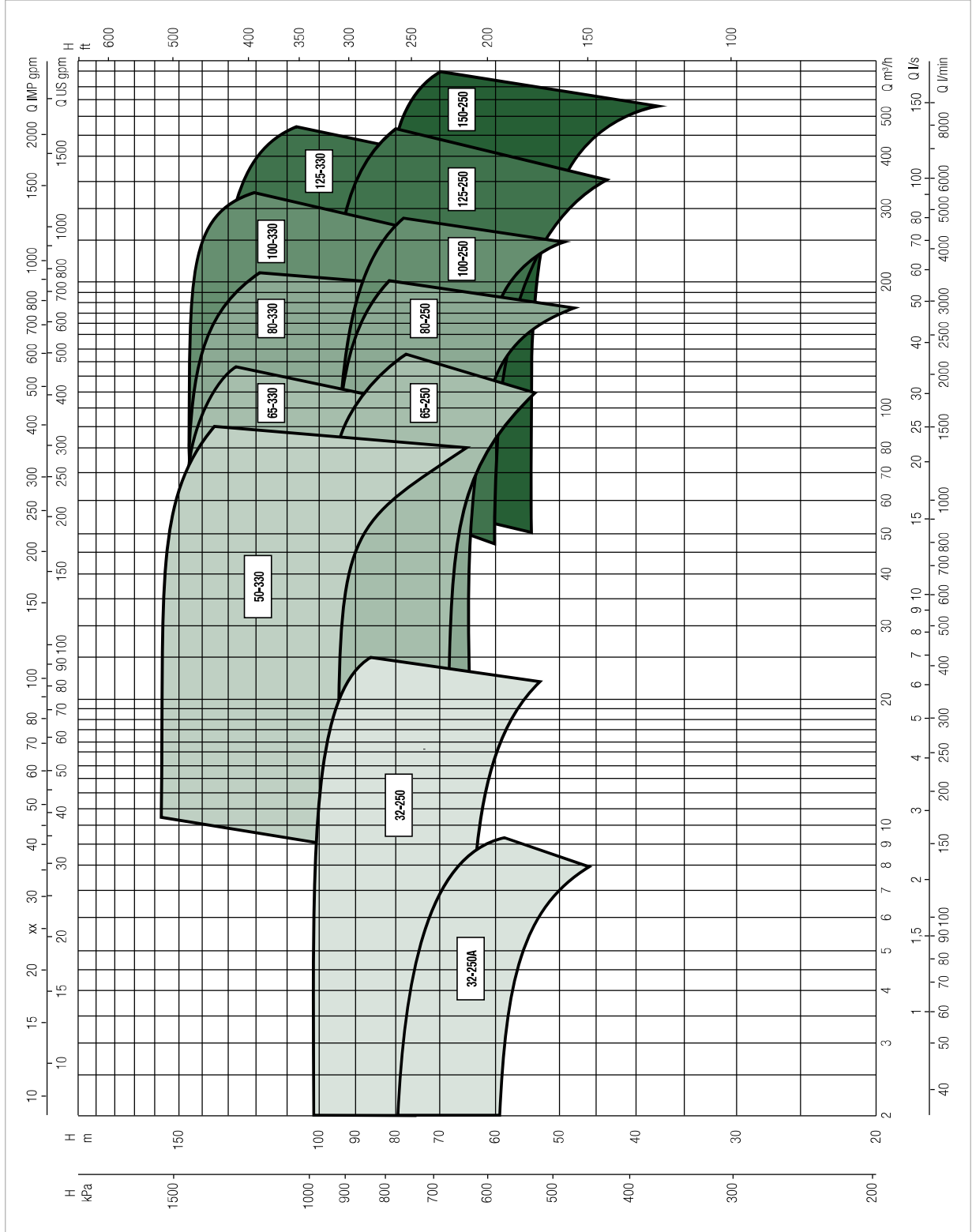
STANDARDISED PUMPS

## PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

### GRAPHIC SELECTION TABLE

= 2900 1/min



# KDN OVERSIZE - 2 POLES

## STANDARDISED PUMPS

### SELECTION TABLE - KDN 32

MODEL	Q=m³/h	0	2	4	6	8	10	12	16	20	24	
	Q=l/min	0	33	67	100	133	167	200	267	333	400	
KDN 32-250 A / 244	H (m)	61	59	57	53	46						
KDN 32-250 A / 254		68	66	63	59	53						
KDN 32-250 A / 259		75	73	69	65	60	52					
KDN 32-250 A / 264		81	79	76	72	68	60					
KDN 32-250 / 224		63		63	63	63	62	62	59	55		
KDN 32-250 / 234		71		71	71	71	70	70	68	64		
KDN 32-250 / 244		81		81	81	80	80	80	79	76	68	
KDN 32-250 / 254		91		91	91	91	90	90	89	85	78	
KDN 32-250 / 264		100		100	100	100	100	100	100	98	95	87

### SELECTION TABLE - KDN 50

MODEL	Q=m³/h	0	2	4	6	8	10	12	16	20	24	40	60	80	100
	Q=l/min	0	33	67	100	133	167	200	267	333	400	667	1000	1333	1667
KDN 50-330 / 270	H (m)	95								95	94	93	85	64	
KDN 50-330 / 290		115								115	114	113	106	88	
KDN 50-330 / 310		132								132	132	132	128	114	100
KDN 50-330 / 328		157								157	156	156	154	145	137

### SELECTION TABLE - KDN 65

MODEL	Q=m³/h	0	2	4	6	8	10	12	16	20	24	40	60	80	100	120	130
	Q=l/min	0	33	67	100	133	167	200	267	333	400	667	1000	1333	1667	2000	2167
KDN 65-250 / 224	H (m)	67								66	66	66	64	61	56		
KDN 65-250 / 234		74								73	73	73	71	67	62	55	
KDN 65-250 / 244		81								81	80	80	79	76	71	65	
KDN 65-250 / 254		89								89	89	89	88	85	81	75	71
KDN 65-250 / 264		100								100	99	99	98	95	91	85	80
KDN 65-330 / 270		92								92	91	91	89	83	74		
KDN 65-330 / 290		110								110	109	108	105	100	92		
KDN 65-330 / 310		128								128	128	128	125	122	116	105	
KDN 65-330 / 328		150								150	149	149	148	144	139	128	

### SELECTION TABLE - KDN 80

MODEL	Q=m³/h	0	2	4	6	8	10	12	16	20	24	40	60	80	100	120	130	150	180	200	
	Q=l/min	0	33	67	100	133	167	200	267	333	400	667	1000	1333	1667	2000	2167	2500	3000	3333	
KDN 80-250 / 224	H (m)	65										64	64	64	62	60	58	54			
KDN 80-250 / 234		71											71	71	71	69	67	65	61	55	
KDN 80-250 / 244		79											79	78	78	77	74	72	69	62	
KDN 80-250 / 254		87											87	86	86	85	83	80	78	72	
KDN 80-250 / 264		98											97	97	96	95	94	92	90	86	81
KDN 80-330 / 270		93											92	92	90	89	86	84	80	68	
KDN 80-330 / 290		108											107	107	106	105	102	100	96	85	
KDN 80-330 / 310		127											126	126	125	125	123	122	120	111	
KDN 80-330 / 328		148											147	147	146	146	143	142	139	130	123

# KDN OVERSIZE - 2 POLES

STANDARDISED PUMPS

## SELECTION TABLE - KDN 100

MODEL	Q=m³/h	0	2	4	6	8	10	12	16	20	24	40	60	80	100	120	130	150	180	200	260	280	300	
	Q=l/min	0	33	67	100	133	167	200	267	333	400	667	1000	1333	1667	2000	2167	2500	3000	3333	4333	4667	5000	
KDN 100-250 / 224	H (m)	63										63	63	63	62	62	61	61	59	57				
KDN 100-250 / 234		71											71	71	71	70	70	70	69	68	65	55		
KDN 100-250 / 244		77											77	77	77	77	77	76	76	75	72	63		
KDN 100-250 / 254		86											86	86	86	86	85	85	84	83	81	74	70	
KDN 100-250 / 264		94											94	94	93	93	93	92	92	91	89	84	80	
KDN 100-330 / 270		93														92	92	91	90	88	85	70		
KDN 100-330 / 290		110														109	109	108	107	105	102	90	85	
KDN 100-330 / 310		129														128	128	127	127	125	123	112	107	102
KDN 100-330 / 328		148														148	148	147	147	146	145	137	135	120

## SELECTION TABLE - KDN 125

MODEL	Q=m³/h	0	2	4	6	8	10	12	16	20	24	40	60	80	100	120	130	150	180	200	260	280	300	400	450	
	Q=l/min	0	33	67	100	133	167	200	267	333	400	667	1000	1333	1667	2000	2167	2500	3000	3333	4333	4667	5000	6667	7500	
KDN 125-250 / 220	H (m)	60													59	59	59	58	57	56	55	53	49			
KDN 125-250 / 235		72														71	71	71	70	70	69	68	66	62		
KDN 125-250 / 250		83														82	82	82	82	82	81	80	79	77	68	
KDN 125-250 / 264		97														97	97	97	97	97	96	95	94	93	86	
KDN 125-330 / 270		96														96	96	96	96	95	94	93	90	87	68	
KDN 125-330 / 290		112														112	112	111	111	110	110	109	107	104	92	
KDN 125-330 / 300		122														122	122	121	121	121	120	119	118	117	106	98
KDN 125-330 / 310		132														132	132	132	132	131	131	130	130	128	120	110

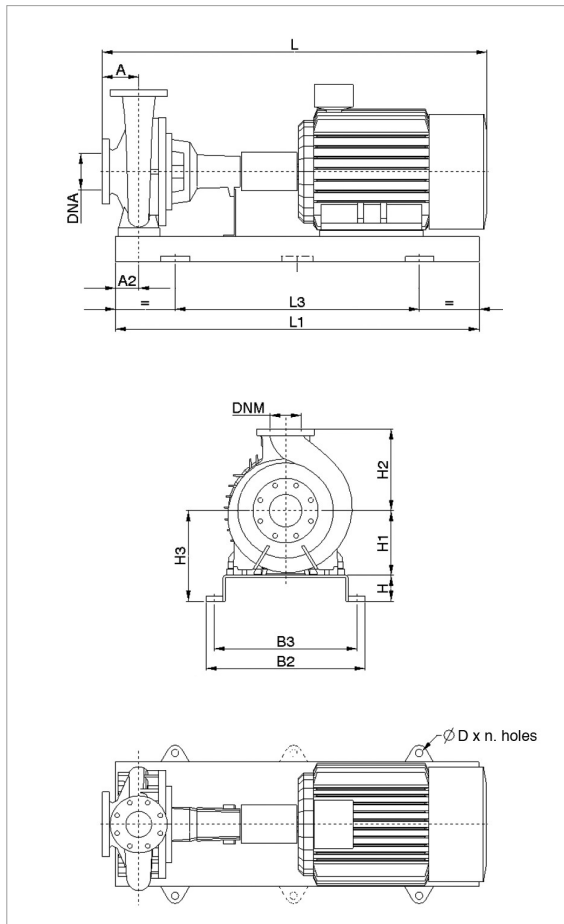
## SELECTION TABLE - KDN 150

MODEL	Q=m³/h	0	2	4	6	8	10	12	16	20	24	40	60	80	100	120	130	150	180	200	260	280	300	400	450	500	600
	Q=l/min	0	33	67	100	133	167	200	267	333	400	667	1000	1333	1667	2000	2167	2500	3000	3333	4333	4667	5000	6667	7500	8334	10000
KDN 150-250 / 220	H (m)	54													54	53	53	53	53	53	53	52	51	47	45	43	
KDN 150-250 / 235		62													62	62	61	61	61	61	61	60	59	56	54	51	
KDN 150-250 / 250		72													72	72	72	72	72	72	72	71	71	68	67	64	56
KDN 150-250 / 264		87													87	87	86	86	86	86	86	86	85	85	83	81	79

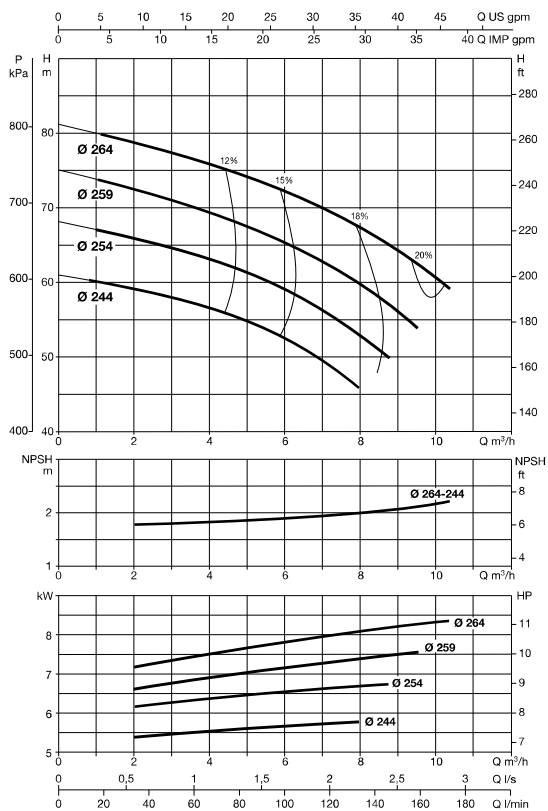
## KDN 32-250A - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 2900 1/min



\* Only for markets outside the EU.



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 32-250A	1,5	90S	3 x 230 - 400 V ~	5,80 - 3,35	E3
	2,2	90L	3 x 230 - 400 V ~	8,23 - 4,75	E3
	3	100L	3 x 400 V - Δ	5,85	E3
	5,5	132S	3 x 400 V - Δ	10,4	E3
	7,5	132S	3 x 400 V - Δ	13,4	E3
	11	160M	3 x 400 V - Δ	19,4	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 32-250A	1,5	100	75	80	180	225	260	1000	660	450	400	24x4	50	32	924	140	1025	142
	2,2	100	75	80	180	225	260	1000	660	450	400	24x4	50	32	949	144	1050	146
	3	100	75	80	180	225	260	1000	660	450	400	24x4	50	32	989	154	1090	156
	5,5	100	75	80	180	225	260	1120	740	490	440	24x4	50	32	1074	194	1175	196
	7,5	100	75	80	180	225	260	1120	740	490	440	24x4	50	32	1124	174	1225	193
	11	100	75	80	180	225	260	1250	840	540	490	24x4	50	32	1269	236	1370	251

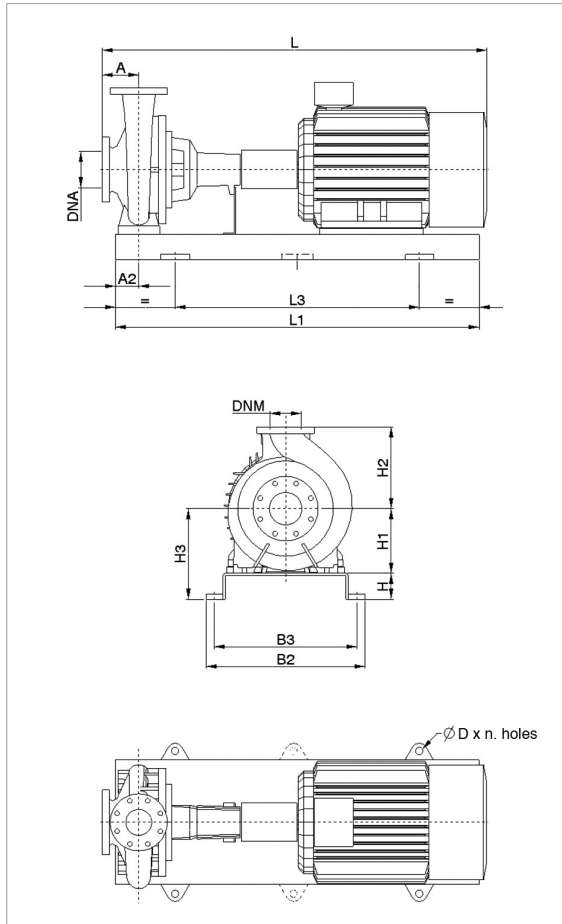
Dimension and electrical data based on sizing definition following the instructions on page 183.



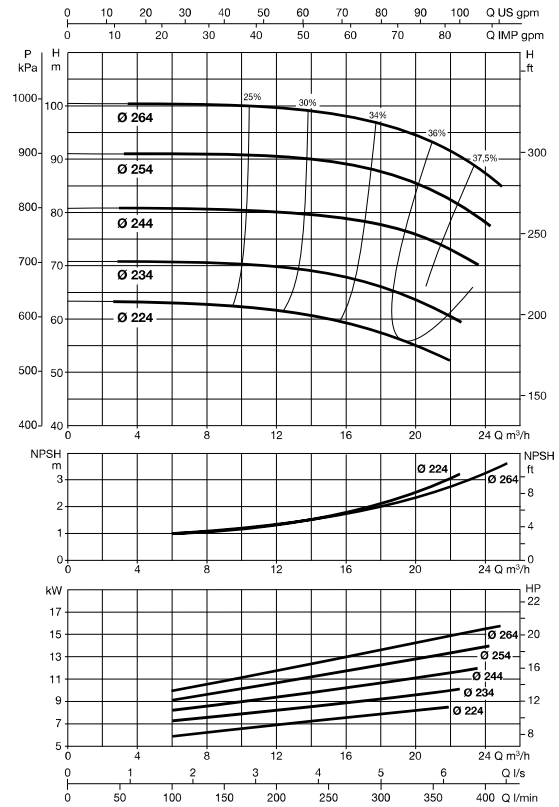
# KDN 32-250 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 2900 1/min



\* Only for markets outside the EU.



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 32-250	1,5	90S	3 x 230 - 400 V ~	5,80 - 3,35	E3
	2,2	90L	3 x 230 - 400 V ~	8,23 - 4,75	E3
	3	100L	3 x 400 V - Δ	5,85	E3
	5,5	132S	3 x 400 V - Δ	10,4	E3
	7,5	132S	3 x 400 V - Δ	13,4	E3
	11	160M	3 x 400 V - Δ	19,4	E3
	15	160M	3 x 400 V - Δ	26,5	E3
	18,5	160L	3 x 400 V - Δ	32	E3

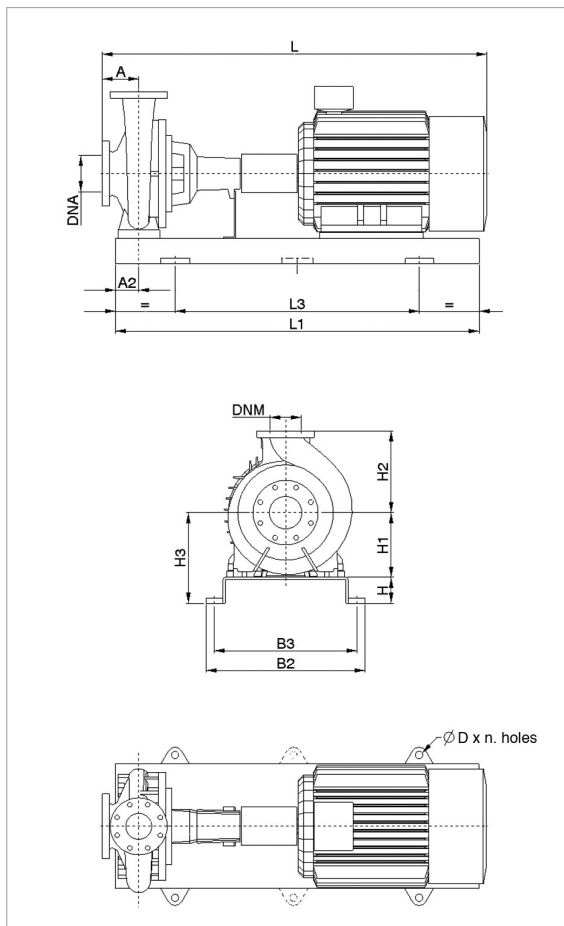
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 32-250	1,5	100	75	80	180	225	260	1000	660	450	400	24x4	50	32	924	140	1025	142
	2,2	100	75	80	180	225	260	1000	660	450	400	24x4	50	32	949	144	1050	146
	3	100	75	80	180	225	260	1000	660	450	400	24x4	50	32	989	154	1090	156
	5,5	100	75	80	180	225	260	1120	740	490	440	24x4	50	32	1074	191	1175	191
	7,5	100	75	80	180	225	260	1120	740	490	440	24x4	50	32	1124	174	1225	193
	11	100	75	80	180	225	260	1250	840	540	490	24x4	50	32	1269	236	1370	251
	15	100	75	80	180	225	260	1250	840	540	490	24x4	50	32	1269	246	1370	261
18,5	100	75	80	180	225	260	1250	840	540	490	24x4	50	32	1324	263	1425	278	

Dimension and electrical data based on sizing definition following the instructions on page 183.

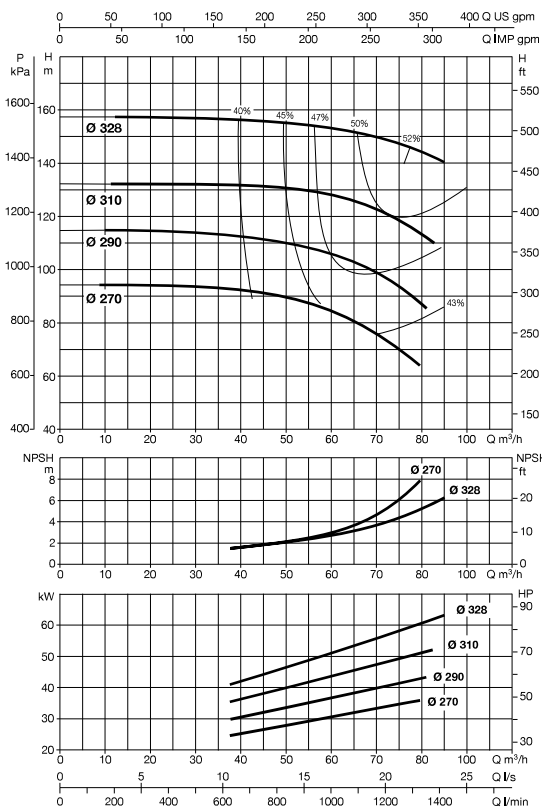
## KDN 50-330 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 2900 1/min



\* Only for markets outside the EU.



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT, 50 Hz	In A	
KDN 50-330	22	180M	3 x 400 V - Δ	38	E3
	30	200L	3 x 400 V - Δ	52	E3
	37	200L	3 x 400 V - Δ	63	E3
	45	225M	3 x 400 V - Δ	76	E3
	55	250M	3 x 400 V - Δ	95	E3
	75	280S	3 x 400 V - Δ	124	E3
	90	280M	3 x 400 V - Δ	148	E3

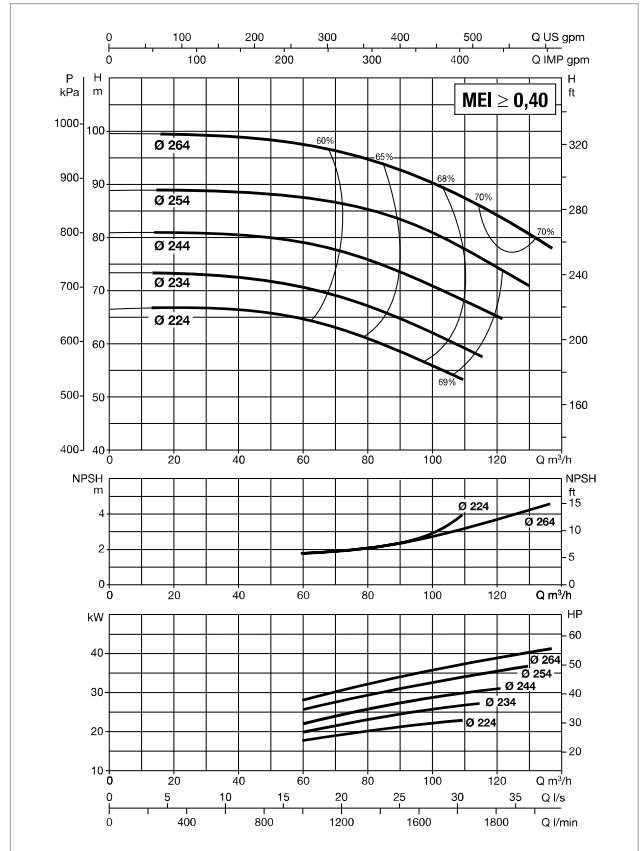
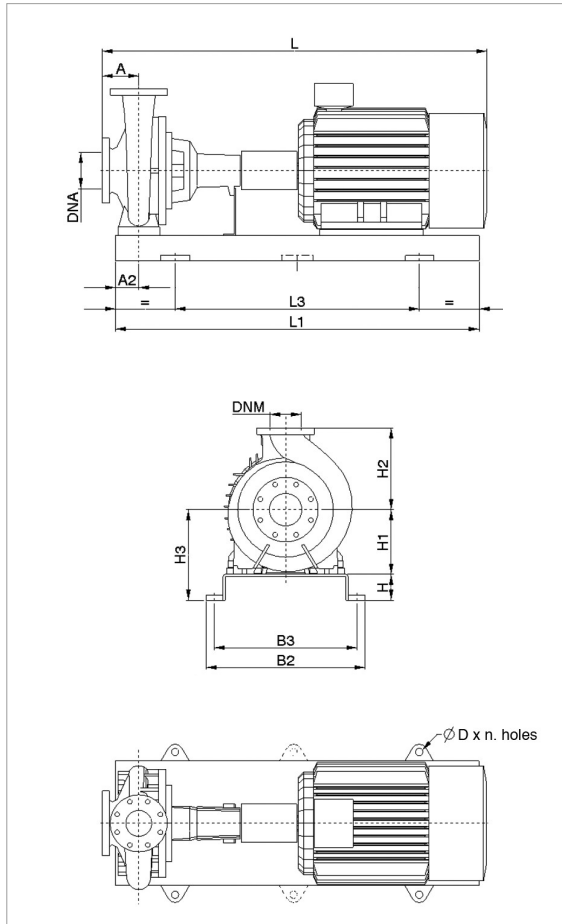
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 50-330	22	125	75	80	225	280	305	1250	840	540	190	24x4	80	50	1369	322	1470	337
	30	125	75	100	225	280	325	1400	940	610	550	28x4	80	50	1449	441	1550	456
	37	125	75	100	225	280	325	1400	940	610	550	28x4	80	50	1449	471	1550	486
	45	125	75	100	225	280	325	1400	940	610	550	28x4	80	50	1545	541	1646	556
	55	125	75	100	250	280	350	1600	1060	660	600	28x4	80	50	1475	663	1576	678
	75	125	75	100	280	280	380	1800	1200	730	670	28x4	80	50	1670	839	1771	854
	90	125	75	100	280	280	380	1800	1200	730	670	28x4	80	50	1720	874	1821	889

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 65-250 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 2900 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 65-250	22	180M	3 x 400 V - Δ	38	IE3
	30	200L	3 x 400 V - Δ	52	IE3
	37	200L	3 x 400 V - Δ	63	IE3
	45	225M	3 x 400 V - Δ	76	IE3
	55	250M	3 x 400 V - Δ	95	IE3

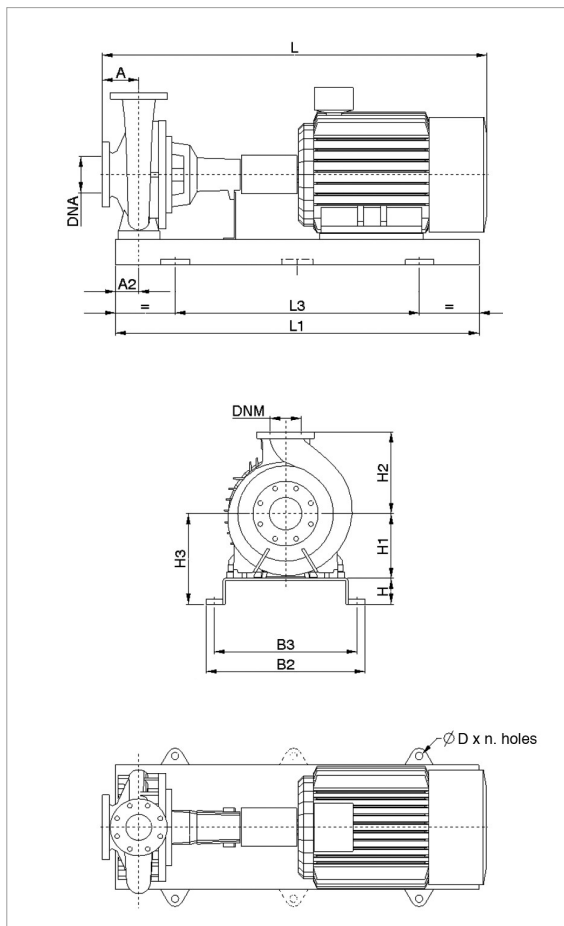
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 65-250	22	125	90	80	200	250	280	1250	840	540	490	24x4	100	65	1369	294	1510	309
	30	125	90	100	200	250	300	1400	940	610	550	28x4	100	65	1449	413	1590	428
	37	125	90	100	200	250	300	1400	940	610	550	28x4	100	65	1449	443	1590	458
	45	125	90	100	225	250	325	1400	940	610	550	28x4	100	65	1545	513	1686	528
	55	125	90	100	250	250	350	1600	1060	660	600	28x4	100	65	1475	635	1616	650

Dimension and electrical data based on sizing definition following the instructions on page 183.

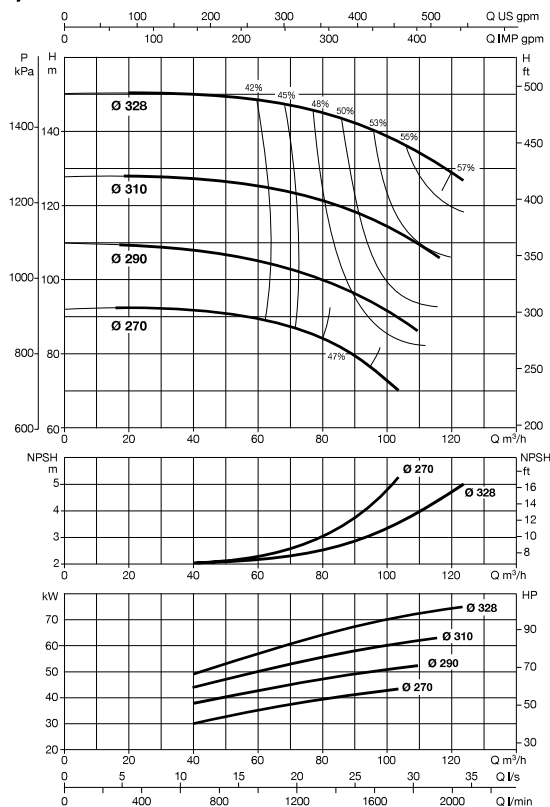
## KDN 65-330 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

≈ 2900 1/min



\* Only for markets outside the EU.



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 65-330	22	180M	3 x 400 V - Δ	38	IE3
	30	200L	3 x 400 V - Δ	52	IE3
	37	200L	3 x 400 V - Δ	63	IE3
	45	225M	3 x 400 V - Δ	76	IE3
	55	250M	3 x 400 V - Δ	95	IE3
	75	280S	3 x 400 V - Δ	124	IE3
	90	280M	3 x 400 V - Δ	148	IE3
	110	315S	3 x 400 V - Δ	184	IE3

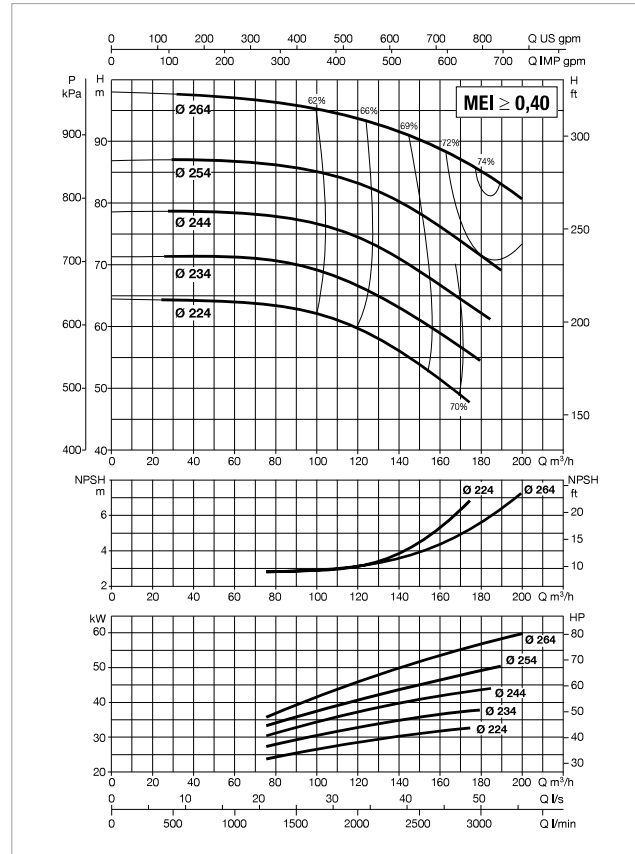
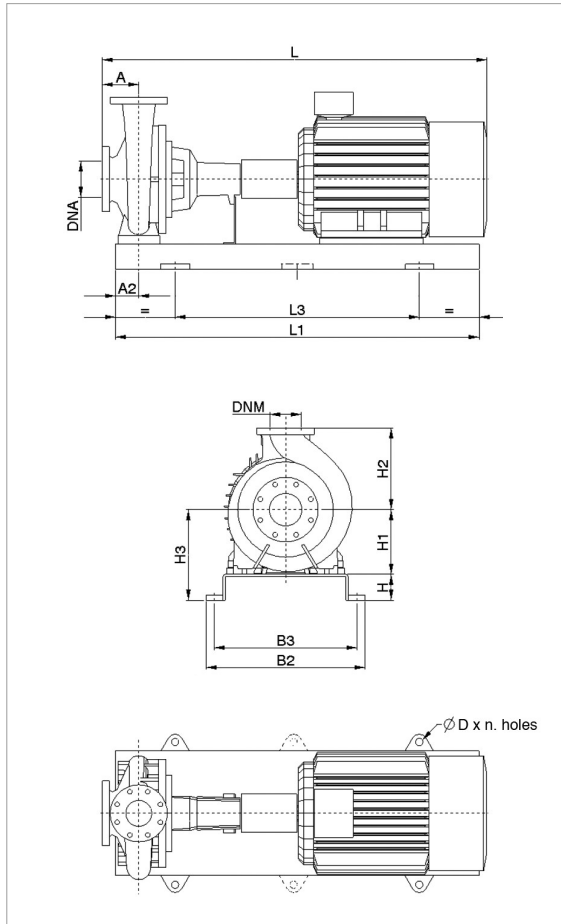
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 65-330	22	125	90	100	225	280	325	1400	940	610	550	28x4	100	65	1399	377	1540	392
	30	125	90	100	225	280	325	1400	940	610	550	28x4	100	65	1479	477	1620	492
	37	125	90	100	225	280	325	1400	940	610	550	28x4	100	65	1479	507	1620	522
	45	125	90	100	225	280	325	1600	1060	660	600	28x4	100	65	1575	594	1716	609
	55	125	90	100	250	280	350	1600	1060	660	600	28x4	100	65	1505	699	1646	714
	75	125	90	100	280	280	380	1800	1200	730	670	28x4	100	65	1700	892	1841	907
	90	125	90	100	280	280	380	1800	1200	730	670	28x4	100	65	1750	996	1891	1011
110	125	90	120	315	280	435	2000	1340	910	830	28x4	100	65	1987	1419	2128	1434	

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 80-250 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 2900 1/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

CENTRIFUGAL PUMPS

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 80-250	30	200L	3 x 400 V - Δ	52	IE3
	37	200L	3 x 400 V - Δ	63	IE3
	45	225M	3 x 400 V - Δ	76	IE3
	55	250M	3 x 400 V - Δ	95	IE3
	75	280S	3 x 400 V - Δ	124	IE3
	90	280M	3 x 400 V - Δ	148	IE3

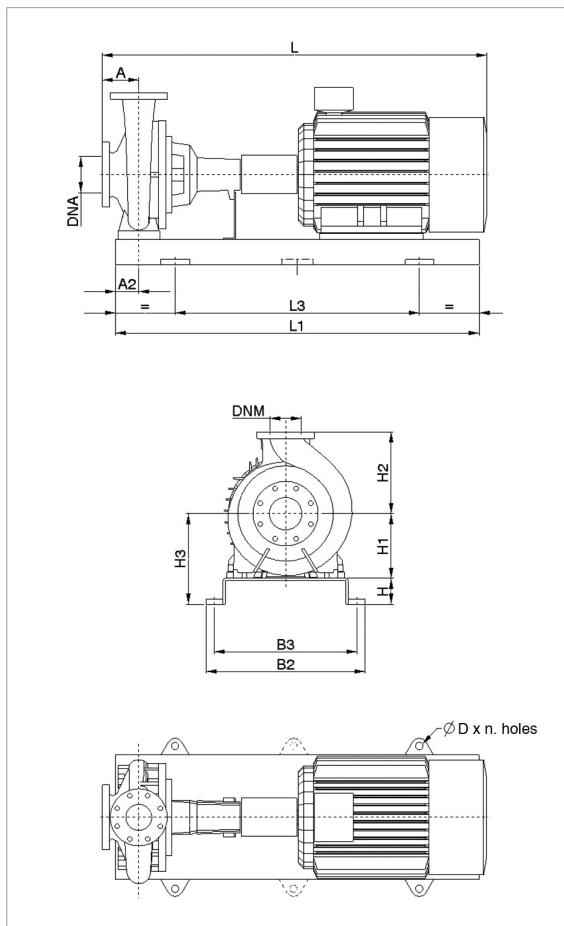
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 80-250	30	125	90	100	225	280	325	1400	940	610	550	28x4	125	80	1449	425	1590	440
	37	125	90	100	225	280	325	1400	940	610	550	28x4	125	80	1470	455	1611	470
	45	125	90	100	225	280	325	1400	940	610	550	28x4	125	80	1545	525	1686	540
	55	125	90	100	250	280	350	1600	1060	660	600	28x4	125	80	1475	647	1616	662
	75	125	90	100	280	280	380	1800	1200	730	670	28x4	125	80	1670	840	1811	855
	90	125	90	100	280	280	380	1800	1200	730	670	28x4	125	80	1720	944	1861	959

Dimension and electrical data based on sizing definition following the instructions on page 183.

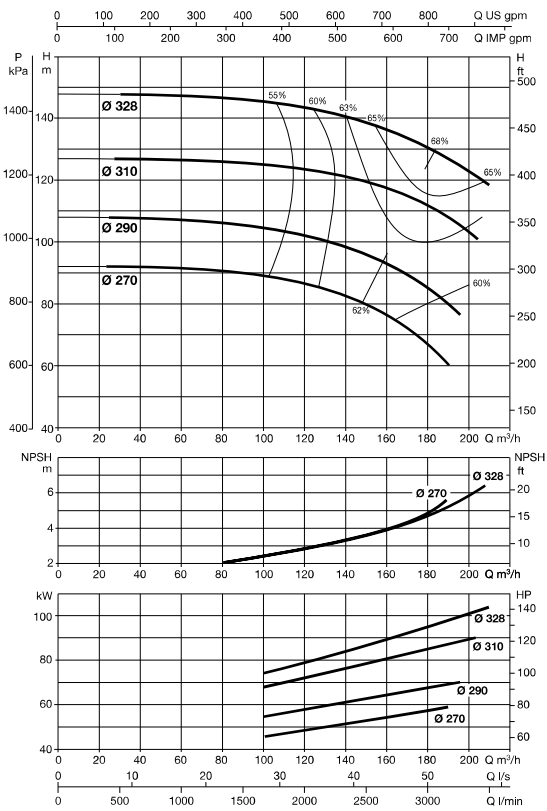
# KDN 80-330 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 2900 1/min



\* Only for markets outside the EU.



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 80-330	30	200L	3 x 400 V - Δ	52	IE3
	37	200L	3 x 400 V - Δ	63	IE3
	45	225M	3 x 400 V - Δ	76	IE3
	55	250M	3 x 400 V - Δ	95	IE3
	75	280S	3 x 400 V - Δ	124	IE3
	90	280M	3 x 400 V - Δ	148	IE3
	110	315S	3 x 400 V - Δ	184	IE3
	132	315M	3 x 400 V - Δ	220	IE3
	160	315L	3 x 400 V - Δ	265	IE3

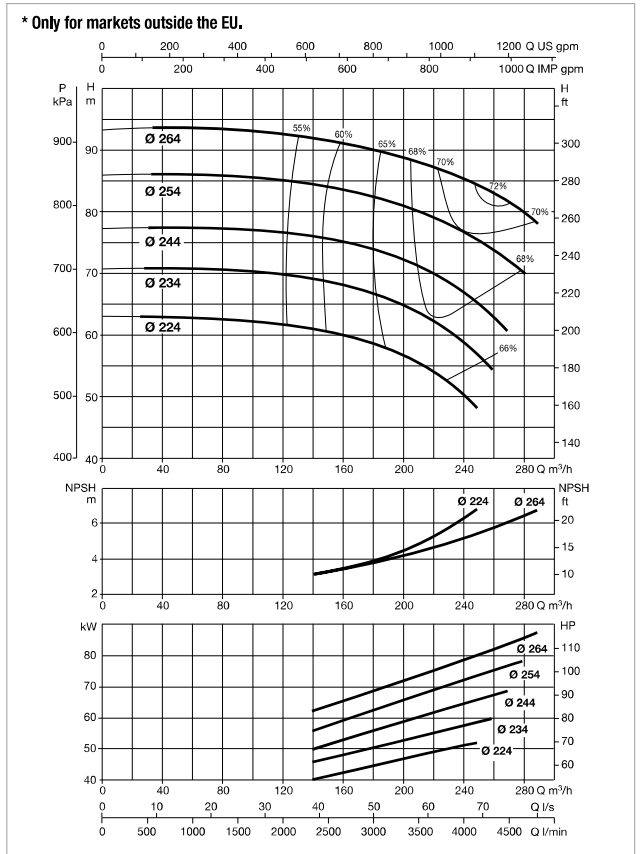
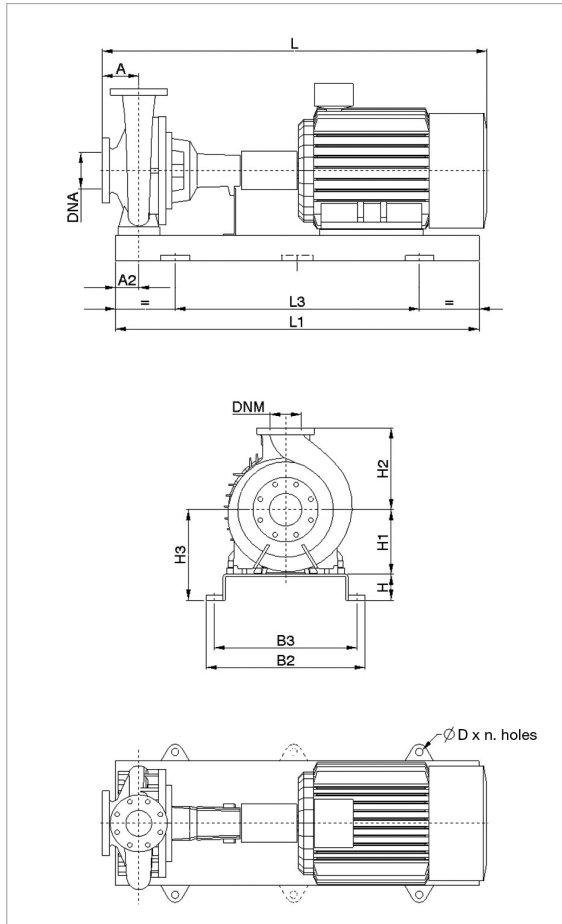
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 80-330	30	125	90	100	250	315	350	1400	940	610	550	28x4	125	80	1479	480	1620	495
	37	125	90	100	250	315	350	1400	940	610	550	28x4	125	80	1500	510	1641	525
	45	125	90	100	250	315	350	1600	1600	660	600	28x4	125	80	1575	597	1716	612
	55	125	90	100	250	315	350	1600	1600	660	600	28x4	125	80	1505	702	1646	717
	75	125	90	100	280	315	380	1800	1800	730	670	28x4	125	80	1700	895	1841	910
	90	125	90	100	280	315	380	1800	1800	730	670	28x4	125	80	1750	999	1891	1014
	110	125	90	120	315	315	435	2000	2000	910	830	28x4	125	80	1987	1422	2128	1437
	132	125	95	190	315	315	505	1550	1550	680	635	20x4	125	80	2127	1405	2268	1420
160	125	95	190	315	315	505	1550	1550	680	635	20x4	125	80	2127	1545	2268	1560	

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 100-250 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 2900 l/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

CENTRIFUGAL PUMPS

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 100-250	30	200L	3 x 400 V - Δ	52	IE3
	37	200L	3 x 400 V - Δ	63	IE3
	45	225M	3 x 400 V - Δ	76	IE3
	55	250M	3 x 400 V - Δ	95	IE3
	75	280S	3 x 400 V - Δ	124	IE3
	90	280M	3 x 400 V - Δ	148	IE3
	110	315S	3 x 400 V - Δ	184	IE3
	132	315M	3 x 400 V - Δ	220	IE3

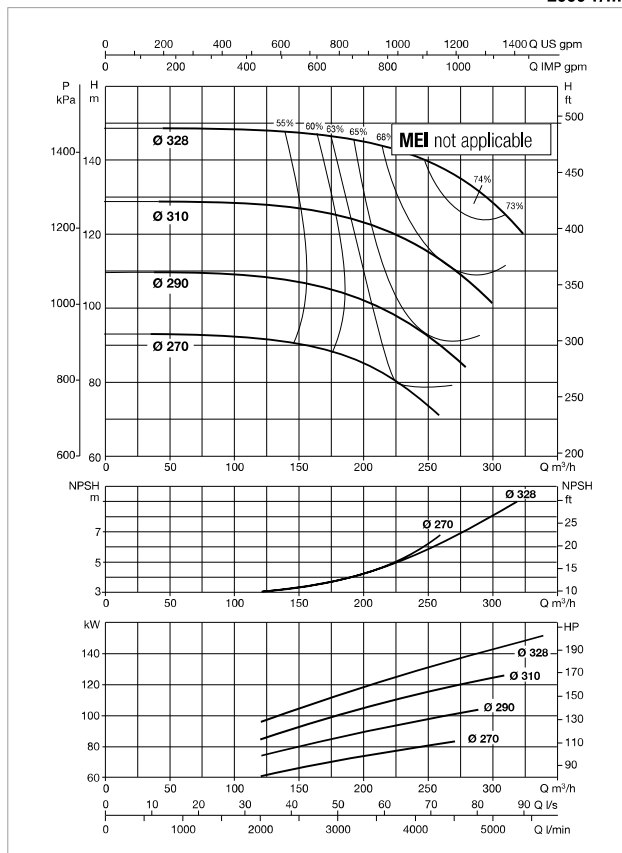
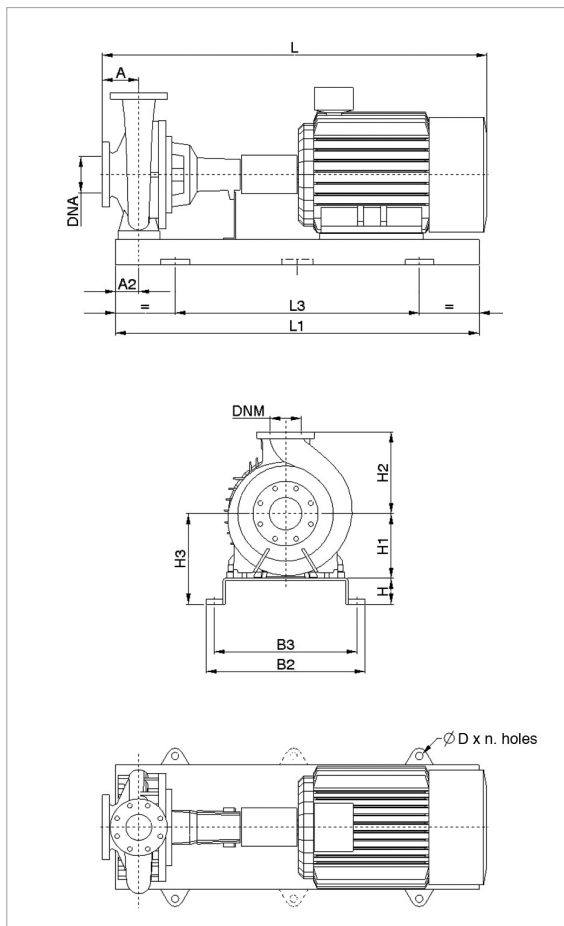
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 100-250	30	140	90	100	225	280	325	1400	940	610	550	28x4	125	100	1494	455	1635	470
	37	140	90	100	225	280	325	1400	940	610	550	28x4	125	100	1515	485	1656	500
	45	140	90	100	225	280	325	1600	1060	660	600	28x4	125	100	1590	572	1731	587
	55	140	90	100	250	280	350	1600	1060	660	600	28x4	125	100	1520	677	1661	692
	75	140	90	100	280	280	380	1800	1200	730	670	28x4	125	100	1715	870	1856	885
	90	140	90	100	280	280	380	1800	1200	730	670	28x4	125	100	1765	974	1906	989
	110	140	90	120	315	280	435	2000	1340	910	830	28x4	125	100	2002	1397	2143	1412
132	140	110	165	315	280	480	1550	1250	680	635	20x4	125	100	2142	1380	2283	1395	

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 100-330 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

**= 2900 1/min**



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	I <sub>n</sub> A	
KDN 100-330	45	225M	3 x 400 V - Δ	76	E3
	55	250M	3 x 400 V - Δ	95	E3
	75	280S	3 x 400 V - Δ	124	E3
	90	280M	3 x 400 V - Δ	148	E3
	110	315S	3 x 400 V - Δ	184	E3
	132	315M	3 x 400 V - Δ	220	E3
	160	315L	3 x 400 V - Δ	265	E3
	200	315L	3 x 400 V - Δ	330	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 100-330	45	140	90	100	250	315	350	1600	1060	660	600	28x4	125	100	1590	612	1731	627
	55	140	90	100	250	315	350	1600	1060	660	600	28x4	125	100	1520	717	1661	732
	75	140	90	100	280	315	380	1800	1200	730	670	28x4	125	100	1715	910	1856	925
	90	140	90	100	280	315	380	1800	1200	730	670	28x4	125	100	1765	1014	1906	1029
	110	140	90	120	315	315	435	2000	1340	910	830	28x4	125	100	2002	1437	2143	1452
	132	140	95	190	315	315	505	1550	1250	680	635	20x4	125	100	2142	1420	2283	1435
	160	140	95	190	315	315	505	1550	1250	680	635	20x4	125	100	2142	1560	2283	1575
200	140	95	190	315	315	505	1550	1250	680	635	20x4	125	100	2142	1600	2283	1615	

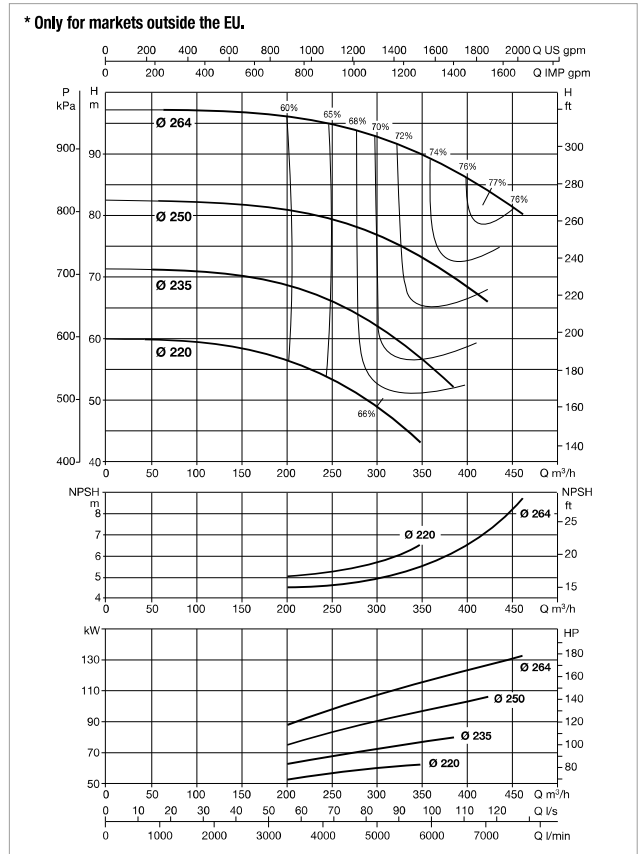
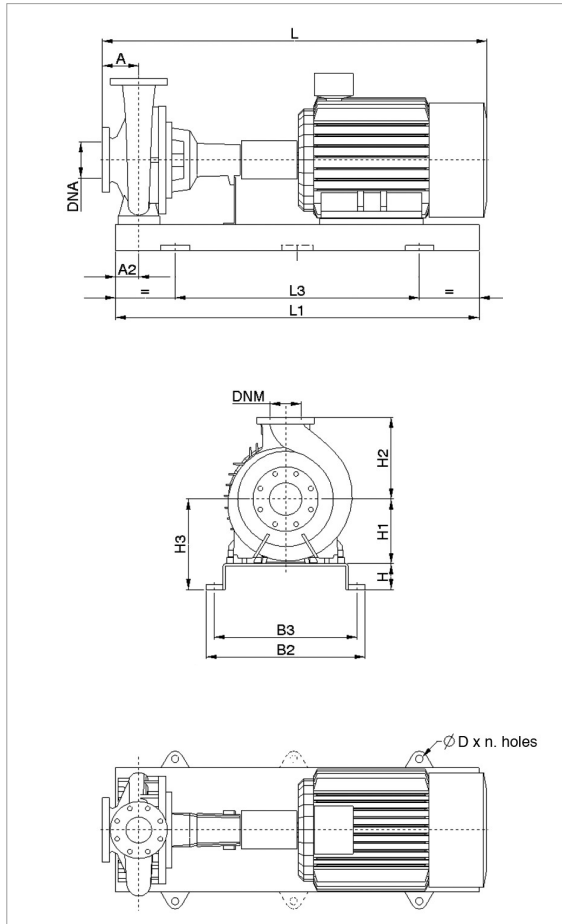
Dimension and electrical data based on sizing definition following the instructions on page 183.



# KDN 125-250 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 2900 1/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

CENTRIFUGAL PUMPS

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 125-250	55	250M	3 x 400 V - Δ	95	IE3
	75	280S	3 x 400 V - Δ	124	IE3
	90	280M	3 x 400 V - Δ	148	IE3
	110	315S	3 x 400 V - Δ	184	IE3
	132	315M	3 x 400 V - Δ	220	IE3
	160	315L	3 x 400 V - Δ	265	IE3

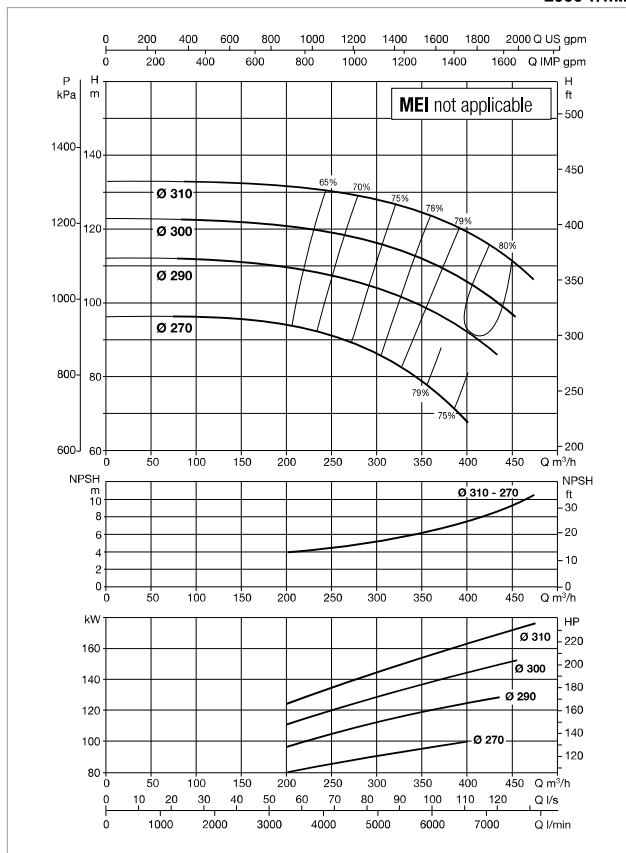
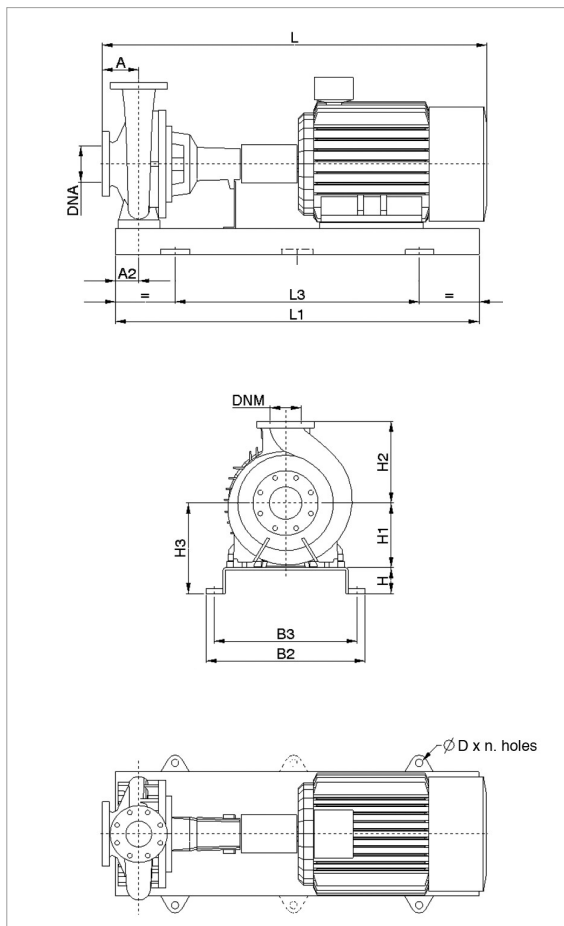
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 125-250	55	140	90	100	250	355	350	1600	1060	660	600	28x4	150	125	1520	687	1661	702
	75	140	90	100	280	355	380	1800	1200	730	670	28x4	150	125	1715	880	1856	895
	90	140	90	100	280	355	380	1800	1200	730	670	28x4	150	125	1765	984	1906	999
	110	140	90	120	315	355	435	2000	1340	910	830	28x4	150	125	2002	1407	2143	1422
	132	140	95	190	315	355	505	1550	1250	680	635	20x4	150	125	2142	1390	2283	1405
	160	140	95	190	315	355	505	1550	1250	680	635	20x4	150	125	2142	1530	2283	1545

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 125-330 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

**= 2900 1/min**



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 125-330	75	280S	3 x 400 V - Δ	124	E3
	90	280M	3 x 400 V - Δ	148	E3
	110	315S	3 x 400 V - Δ	184	E3
	132	315M	3 x 400 V - Δ	220	E3
	160	315L	3 x 400 V - Δ	265	E3
	200	315L	3 x 400 V - Δ	330	E3

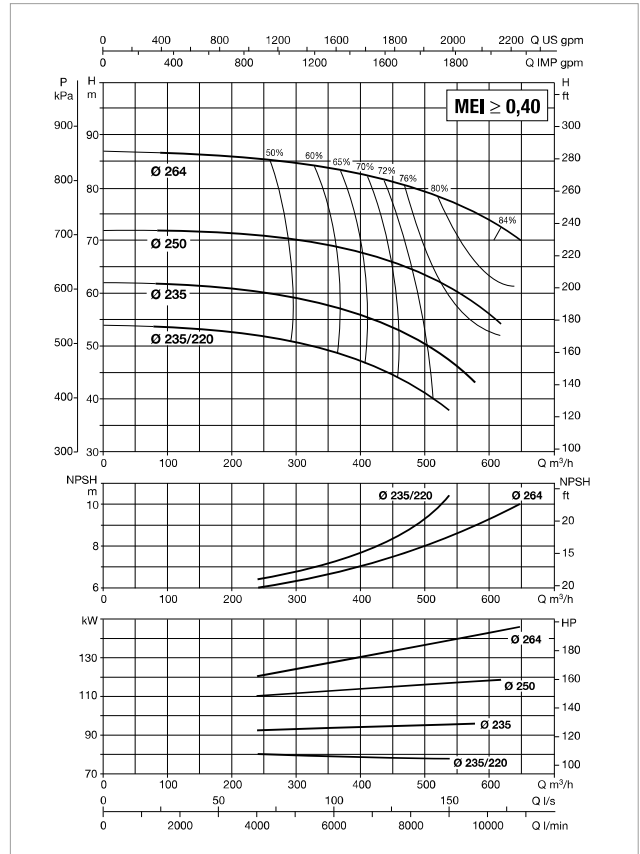
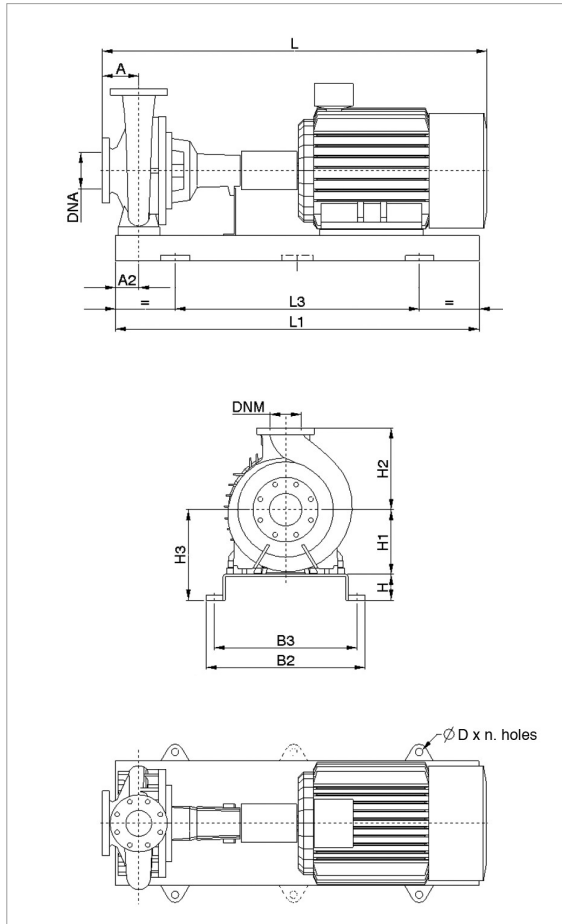
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)											FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 125-330	75	140	110	100	280	355	380	1800	1200	730	670	28x4	150	125	1715	930	1856	945
	90	140	110	100	280	355	380	1800	1200	730	670	28x4	150	125	1765	1034	1906	1049
	110	140	110	120	315	355	435	2000	1340	910	830	28x4	150	125	2002	1457	2143	1472
	132	140	115	220	315	355	535	1570	1270	680	635	20x4	150	125	2142	1480	2283	1495
	160	140	115	220	315	355	535	1570	1270	680	635	20x4	150	125	2142	1620	2283	1635
	200	140	115	220	315	355	535	1570	1270	680	635	20x4	150	125	2142	1660	2283	1675

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 150-250 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 2900 1/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 150-250	75	280S	3 x 400 V - Δ	124	IE3
	90	280M	3 x 400 V - Δ	148	IE3
	110	315S	3 x 400 V - Δ	184	IE3
	132	315M	3 x 400 V - Δ	220	IE3
	160	315L	3 x 400 V - Δ	265	IE3
	200	315L	3 x 400 V - Δ	330	IE3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 150-250	75	160	110	100	280	375	380	1800	1200	730	670	28x4	200	150	1735	920	1916	935
	90	160	110	100	280	375	380	1800	1200	730	670	28x4	200	150	1785	1024	1966	1039
	110	160	110	120	315	375	435	2000	1340	910	830	28x4	200	150	2022	1447	2203	1462
	132	160	115	220	315	375	535	1570	1270	680	635	20x4	200	150	2162	1470	2343	1485
	160	160	115	220	315	375	535	1570	1270	680	635	20x4	200	150	2162	1610	2343	1625
	200	160	115	220	315	375	535	1570	1270	680	635	20x4	200	150	2162	1650	2343	1665

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN OVERSIZE - 2 POLES

STANDARDISED PUMPS

## IE3 STANDARD MOTOR ELECTRIC DATA

=2900 1/min

MOTOR TYPE	P2 NOMINAL kW	SPEED rpm	YIELD %	POWER FACTOR COS φ	POWER INPUT 50 Hz	In A			Start-up current Ia/In	Start-up torque Ma/Mn	Maximum torque M/k/Mn	POLES
						230V	400V	690V				
MEC 71	0,25	2790	69,81	0,778	3x230/400	1,16	0,67		5,06	2,90	3,01	2
MEC 71	0,37	2820	72,79	0,783	3x230/400	1,61	0,93		5,40	2,69	2,99	2
MEC 80	0,55	2810	76,97	0,800	3x230/400	2,23	1,29		6,41	3,43	3,13	2
MEC 80	0,75	2910	82,00	0,780	3x230/400	2,94	1,70		8,90	4,70	4,80	2
MEC 80	1,1	2870	82,70	0,760	3x230/400	4,16	2,40		9,30	5,00	5,30	2
MEC 90S	1,5	2875	84,20	0,850	3x230/400	5,20	3,00		8,40	3,60	3,80	2
MEC 90L	2,2	2880	86,50	0,820	3x230/400	7,97	4,60		9,20	4,00	4,20	2
MEC 100L	3	2900	87,10	0,890	3x400 Δ		5,60	3,23	8,80	5,50	4,50	2
MEC 112M	4	2910	88,10	0,930	3x400 Δ		7,00	4,04	9,60	3,60	4,00	2
MEC 132S	5,5	2920	89,20	0,900	3x400 Δ		10,00	5,77	8,90	3,00	3,60	2
MEC 132S	7,5	2910	90,10	0,920	3x400 Δ		13,10	7,56	8,90	3,00	3,60	2
MEC 160M	11	2950	91,20	0,890	3x400 Δ		19,70	11,37	9,10	4,00	4,20	2
MEC 160M	15	2940	91,90	0,890	3x400 Δ		26,70	15,42	9,70	4,70	4,80	2
MEC 160L	18,5	2950	92,40	0,880	3x400 Δ		33,00	19,05	10,70	4,60	4,70	2
MEC 180M	22	2955	92,70	0,900	3x400 Δ		38,10	22,00	8,20	2,20	2,30	2
MEC 200L	30	2960	93,30	0,890	3x400 Δ		52,10	30,08	7,50	2,20	2,30	2
MEC 200L	37	2960	93,70	0,910	3x400 Δ		62,60	36,14	7,50	2,20	2,30	2
MEC 225M	45	2965	94,00	0,880	3x400 Δ		78,40	45,26	7,60	2,20	2,30	2
MEC 250M	55	2970	94,30	0,890	3x400 Δ		94,60	54,62	7,60	2,20	2,30	2
MEC 280S	75	2975	94,70	0,900	3x400 Δ		127,00	73,32	6,90	2,00	2,30	2
MEC 280M	90	2975	95,00	0,890	3x400 Δ		153,00	88,33	7,00	2,00	2,30	2
MEC 315S	110	2978	95,20	0,900	3x400 Δ		185,00	106,81	7,10	2,00	2,20	2
MEC 315M	132	2978	95,40	0,900	3x400 Δ		222,00	128,17	7,10	2,00	2,20	2
MEC 315L	160	2980	95,60	0,900	3x400 Δ		268,00	154,73	7,10	2,00	2,20	2
MEC 315L	200	2980	95,80	0,920	3x400 Δ		330,00	190,75	6,10	1,80	2,60	2
MEC 355M	250	2980	95,80	0,920	3x400 Δ		410,00	236,99	6,90	2,00	2,90	2
MEC 355L	315	2980	95,80	0,920	3x400 Δ		520,00	300,58	5,70	1,70	2,40	2

# KDN OVERSIZE - 4 POLE RANGE

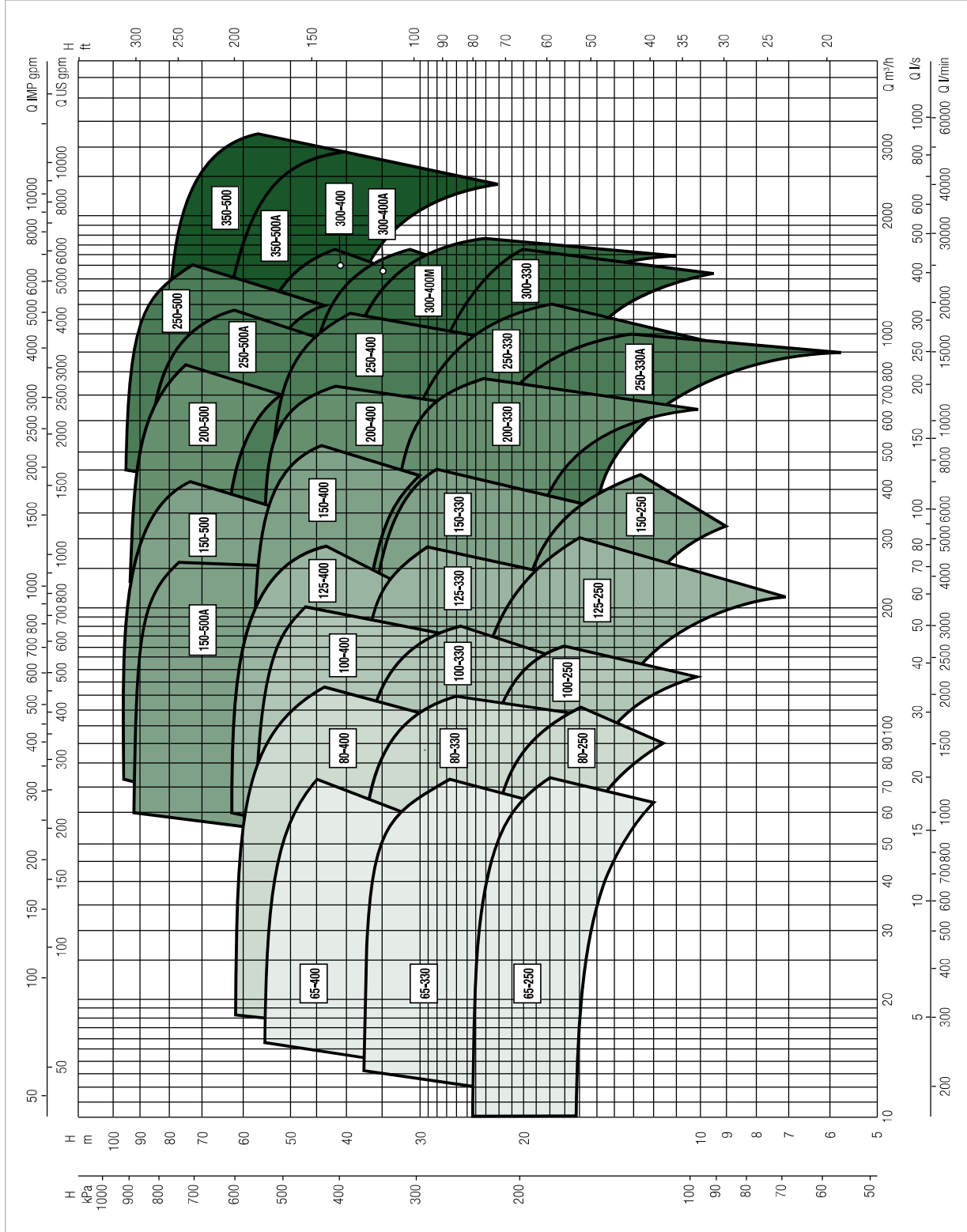
STANDARDISED PUMPS

## PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

### GRAPHIC SELECTION TABLE

= 1450 1/min



# KDN OVERSIZE - 4 POLES

STANDARDISED PUMPS

## SELECTION TABLE - KDN 65

MODEL	Q=m <sup>3</sup> /h	0	10	20	30	40	50	60	70	80
	Q=l/min	0	167	333	500	667	833	1000	1167	1333
KDN 65-250 / 224	H (m)	16	16	16	15	15	14			
KDN 65-250 / 244		21	21	20	20	19	18	16		
KDN 65-250 / 264		25	25	25	24	24	23	21	19	17
KDN 65-330 / 270		23	23	23	22	21	19	15		
KDN 65-330 / 290		28	27	27	26	25	23	20		
KDN 65-330 / 310		32	32	32	32	31	29	26	22	
KDN 65-330 / 328		38	38	38	37	36	35	33	29	
KDN 65-400 / 350		38	38	38	37	36	34	31		
KDN 65-400 / 370		44	43	43	43	42	40	38		
KDN 65-400 / 390		50	50	50	49	48	46	44	42	
KDN 65-400 / 408		55	55	54	54	53	51	49	46	

## SELECTION TABLE - KDN 80

MODEL	Q=m <sup>3</sup> /h	0	10	20	30	40	50	60	70	80	100	120
	Q=l/min	0	167	333	500	667	833	1000	1167	1333	1667	2000
KDN 80-250 / 224	H (m)	16		16	16	16	16	15	14	13		
KDN 80-250 / 244		19		19	19	19	19	18	17	17	14	
KDN 80-250 / 264		23		23	23	23	22	22	21	21	18	
KDN 80-330 / 270		24		24	24	24	23	23	21	19	15	
KDN 80-330 / 290		28		28	28	28	27	26	25	24	19	
KDN 80-330 / 310		33		33	33	33	33	33	32	31	27	
KDN 80-330 / 328		38		38	38	38	38	38	37	36	32	26
KDN 80-400 / 330		37		37	37	37	37	36	35	33	28	
KDN 80-400 / 350		43		43	43	43	43	42	41	39	34	
KDN 80-400 / 370		48		49	49	48	48	47	46	44	39	
KDN 80-400 / 390		55		54	54	54	54	53	52	51	47	41
KDN 80-400 / 408		62		61	61	61	61	60	59	57	52	46

## SELECTION TABLE - KDN 100

MODEL	Q=m <sup>3</sup> /h	0	10	20	30	40	50	60	70	80	100	120	150	180	200
	Q=l/min	0	167	333	500	667	833	1000	1167	1333	1667	2000	2500	3000	3333
KDN 100-250 / 224	H (m)	16			16	16	16	15	15	15	14	13			
KDN 100-250 / 244		19			19	19	19	19	19	19	19	18	17		
KDN 100-250 / 264		23			23	23	23	23	23	23	23	22	21	19	
KDN 100-330 / 270		23			23	23	23	23	23	23	23	21	19		
KDN 100-330 / 290		27			27	27	27	27	27	27	27	26	24	19	
KDN 100-330 / 310		32			32	32	32	32	32	32	32	31	30	25	
KDN 100-330 / 328		37			37	37	37	37	37	37	37	36	35	32	26
KDN 100-400 / 330		37			37	36	36	36	35	35	35	34	32	28	
KDN 100-400 / 350		41			41	41	41	41	40	40	40	39	37	33	
KDN 100-400 / 370		47			47	47	47	47	46	46	46	45	43	40	36
KDN 100-400 / 390		53			53	53	53	53	52	52	52	51	50	47	44
KDN 100-400 / 408		59			59	59	59	59	58	58	58	57	57	54	51

# KDN OVERSIZE - 4 POLES

STANDARDISED PUMPS

## SELECTION TABLE - KDN 125

MODEL	Q=m³/h	0	10	20	30	40	50	60	70	80	100	120	150	180	200	250	300	
	Q=l/min	0	167	333	500	667	833	1000	1167	1333	1667	2000	2500	3000	3333	4167	5000	
KDN 125-250 / 220	H (m)	15				15	15	14	14	14	14	13	12	11	9			
KDN 125-250 / 235		18				18	18	18	17	17	17	17	16	14	13	10		
KDN 125-250 / 250		21				21	21	21	21	21	20	20	19	18	17	14		
KDN 125-250 / 264		24				24	24	24	24	24	24	24	23	23	22	19	16	
KDN 125-330 / 270		25				24	24	24	24	24	24	24	23	22	19	17		
KDN 125-330 / 290		28				28	28	28	28	28	28	28	27	26	25	23		
KDN 125-330 / 310		34				33	33	33	33	33	33	33	33	32	31	30	25	
KDN 125-330 / 328		38				38	38	38	38	38	38	38	38	38	37	36	33	
KDN 125-400 / 330		40				40	40	40	40	40	40	39	39	37	34	31		
KDN 125-400 / 350		44				44	44	44	44	44	44	44	44	42	39	37		
KDN 125-400 / 370		50				50	50	50	49	49	49	49	49	48	45	43	33	
KDN 125-400 / 390		55				55	55	55	55	55	55	55	55	54	52	51	42	
KDN 125-400 / 408		61				61	61	61	61	61	61	61	61	60	59	57	51	41

## SELECTION TABLE - KDN 150

MODEL	Q=m³/h	0	10	20	30	40	50	60	70	80	100	120	150	180	200	250	300	350	400	450	500			
	Q=l/min	0	167	333	500	667	833	1000	1167	1333	1667	2000	2500	3000	3333	4167	5000	5833	6667	7500	8334			
KDN 150-250 / 220	H (m)	14						14	14	14	13	13	13	13	13	11	10							
KDN 150-250 / 235		16						16	16	16	16	16	15	15	15	13	12	10						
KDN 150-250 / 250		19						18	18	18	18	18	18	18	17	16	15	13						
KDN 150-250 / 264		22						21	21	21	21	21	21	20	20	19	18	17	14					
KDN 150-330 / 260		22						22	22	22	21	21	21	21	21	20	18	15						
KDN 150-330 / 280		26						26	26	26	26	26	26	25	25	25	24	23	21					
KDN 150-330 / 300		30						30	30	30	30	30	30	29	29	28	27	25	23					
KDN 150-330 / 315		34						34	33	33	33	33	33	33	33	33	32	31	29	27				
KDN 150-330 / 328		37						37	37	37	37	37	36	36	36	35	35	33	31	28				
KDN 150-400 / 330		37						37	37	37	37	37	37	37	37	36	35	34	31					
KDN 150-400 / 350		42						42	42	42	42	42	42	42	42	42	41	39	37	33				
KDN 150-400 / 370		47						47	47	47	47	47	47	47	47	46	45	44	41	38				
KDN 150-400 / 390		54						53	53	53	53	53	53	53	53	52	51	50	47	44				
KDN 150-400 / 408		60						60	60	60	60	60	60	60	60	59	58	56	53	49	44			
KDN 150-500A / 440		65						65	64	64	64	63	62	60	58	51								
KDN 150-500A / 460		72						71	71	71	71	70	69	68	65	57								
KDN 150-500A / 480		78						78	77	77	77	76	75	73	71	63								
KDN 150-500A / 500		85						84	84	84	84	83	82	81	79	70								
KDN 150-500A / 518		91						91	91	91	91	91	90	88	86	79								
KDN 150-500 / 440		68									68	68	68	67	66	63	57	48						
KDN 150-500 / 460		74									74	74	73	73	72	69	64	56						
KDN 150-500 / 480		82									81	81	81	80	79	77	72	66	58					
KDN 150-500 / 500		89									89	89	88	88	87	85	81	76	68					
KDN 150-500 / 518		96									96	96	96	95	95	93	89	84	75					

# KDN OVERSIZE - 4 POLES

## STANDARDISED PUMPS

### SELECTION TABLE - KDN 200

MODEL	Q=m <sup>3</sup> /h	0	10	20	30	40	50	60	70	80	100	120	150	180	200	250	300	350	400	450	500	600	700	800		
	Q=l/min	0	167	333	500	667	833	1000	1167	1333	1667	2000	2500	3000	3333	4167	5000	5833	6667	7500	8334	10000	11667	13334		
KDN 200-330 / 270	H (m)	20									20	20	20	20	20	20	19	19	18	17	16	12				
KDN 200-330 / 290		24										24	24	24	24	24	24	24	23	23	22	22	19			
KDN 200-330 / 310		29										29	29	29	29	29	29	29	29	28	28	27	25	21		
KDN 200-330 / 328		34										34	34	33	33	33	33	33	33	33	33	32	31	27		
KDN 200-400 / 330		32										32	32	32	32	32	31	31	31	30	29	28	23			
KDN 200-400 / 350		38										38	38	38	38	38	38	37	37	37	36	35	31			
KDN 200-400 / 370		43										43	43	43	43	43	43	43	42	42	42	41	37			
KDN 200-400 / 390		48										48	48	48	48	48	48	48	48	48	48	47	45	37		
KDN 200-400 / 408		54										54	54	54	54	54	54	54	54	53	53	53	51	46		
KDN 200-500 / 430		65										65	65	65	65	65	65	64	64	63	62	60	56	51		
KDN 200-500 / 450		72										72	72	72	72	71	71	71	71	70	69	67	62	58		
KDN 200-500 / 470		76										76	77	77	77	76	76	76	76	75	74	72	68	63		
KDN 200-500 / 490		82										82	83	82	82	82	82	82	82	81	80	79	76	71	65	
KDN 200-500 / 508		94										94	94	94	94	94	93	93	92	92	91	89	86	81	75	

### SELECTION TABLE - KDN 250

MODEL	Q=m <sup>3</sup> /h	0	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1400	1500	
	Q=l/min	0	4167	5000	5833	6667	7500	8334	10000	11667	13334	15000	16667	18334	20000	23334	25001	
KDN 250-330A / 275/32°	H (m)	17	16	15	15	15	14	14	12	11	8	6						
KDN 250-330A / 275/16°		20	19	18	18	18	17	17	16	14	11	8						
KDN 250-330A / 275		23	22	21	21	21	20	20	18	17	14	11						
KDN 250-330A / 285		26	24	24	23	23	23	22	21	19	17	14						
KDN 250-330A / 295		28		26	26	25	25	24	23	22	20	17	13					
KDN 250-330 / 310/16°		23		20	19	19	18	18	17	15	13	11						
KDN 250-330 / 310/290		26		24	24	23	23	22	20	18	17	14	12					
KDN 250-330 / 310/300		28		26	25	25	24	24	23	21	18	17	13					
KDN 250-330 / 310		30		28	27	27	26	26	25	23	22	19	17					
KDN 250-330 / 320		32		30	30	30	29	29	28	26	25	23	21					
KDN 250-330 / 328		35		33	33	33	32	32	30	29	28	26	24					
KDN 250-400 / 330		33		33	32	32	31	31	29	27	25	22						
KDN 250-400 / 350		39		38	38	37	37	36	35	33	31	29	26					
KDN 250-400 / 370		44		43	43	43	43	42	41	40	38	35	32					
KDN 250-400 / 390		50		50	50	50	49	49	48	47	45	43	40	36				
KDN 250-400 / 408		54		54	54	54	54	54	53	52	50	48	45	41				
KDN 250-500A / 440		61		61	61	61	61	60	58	55	51	45						
KDN 250-500A / 460		68		68	68	68	67	67	65	62	58	53	46					
KDN 250-500A / 480		76		75	75	75	75	74	73	70	67	62	57					
KDN 250-500A / 500		82		82	82	82	82	82	81	79	76	72	67	60				
KDN 250-500A / 518		89		89	89	89	89	88	87	85	82	78	74	68				
KDN 250-500 / 440		60						60	59	57	56	55	54	50	44			
KDN 250-500 / 460		66						66	66	66	65	64	61	58	53			
KDN 250-500 / 480		75						75	75	75	74	73	72	69	65			
KDN 250-500 / 500	84						84	84	84	83	83	82	80	76	66			
KDN 250-500 / 518	94						94	94	94	94	93	92	90	87	79	72		



# KDN OVERSIZE - 4 POLES

STANDARDISED PUMPS

## SELECTION TABLE - KDN 300

MODEL	Q=m³/h	0	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1400	1500	1600		
	Q=l/min	0	4167	5000	5833	6667	7500	8334	10000	11667	13334	15000	16667	18334	20000	23334	25001	26667		
KDN 300-330 / 325/36°	H (m)	19						18	18	17	16	16	15	14	13	10				
KDN 300-330 / 325/24°		22						21	20	20	19	18	17	16	15	13	11			
KDN 300-330 / 325/12°		24						23	23	22	21	20	20	19	17	15	13			
KDN 300-330 / 325		28						26	25	25	24	23	22	21	20	18	16			
KDN 300-330 / 335		30						28	27	27	26	25	25	24	23	21	19	17		
KDN 300-330 / 345		32						30	30	29	29	28	27	27	26	23	22	21		
KDN 300-400M / 350		25						24	23	23	22	21	20	19	18	16	14	11		
KDN 300-400M / 380		32						31	31	31	30	29	29	28	27	25	22	20		
KDN 300-400M / 395		37						36	36	35	35	34	34	33	32	29	27	25		
KDN 300-400M / 408		41						40	40	40	39	38	37	37	36	34	31	29		
KDN 300-400A / 330/7°		33					33	32	32	32	31	31	30	29	28	26	21			
KDN 300-400A / 370/340		39					38	38	38	38	38	37	36	35	34	33	29	27		
KDN 300-400A / 370/355		43					43	43	42	42	41	41	40	39	38	34	32	28		
KDN 300-400A / 370		47					47	47	47	47	47	46	46	45	44	42	39	36	33	
KDN 300-400 / 340		40			40	39	39	39	39	38	37	36	35	33	32	28				
KDN 300-400 / 370		49			48	48	47	47	46	46	45	44	42	41	38					
KDN 300-400 / 390		54			53	53	53	53	52	51	51	50	49	48	46	42	39			
KDN 300-400 / 408		59			59	59	59	58	58	57	57	56	55	54	53	50	48	45		

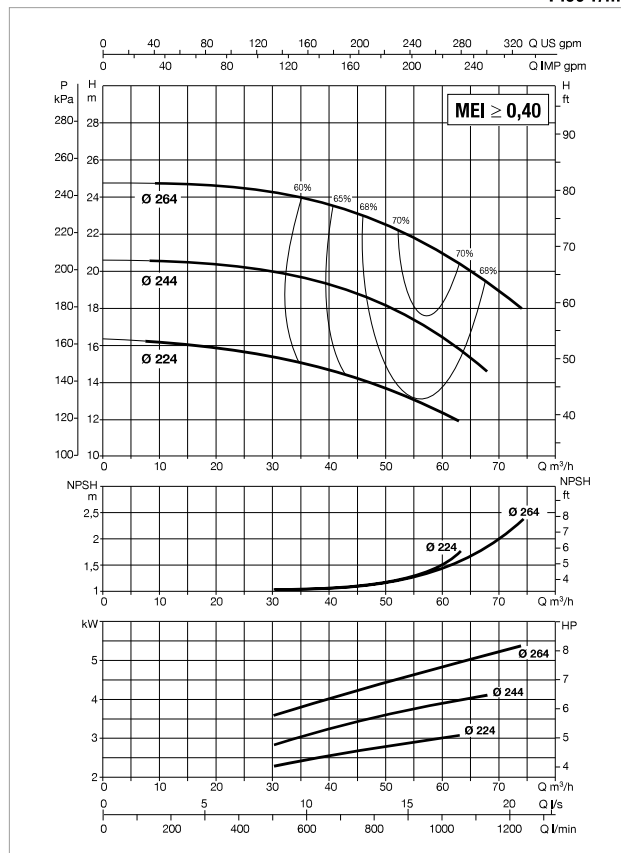
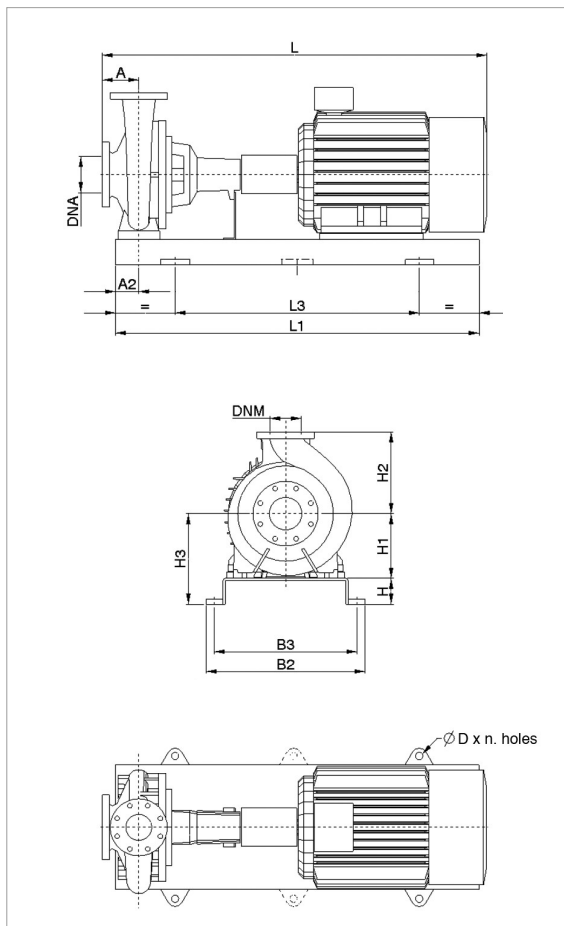
## SELECTION TABLE - KDN 350

MODEL	Q=m³/h	0	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1400	1500	1600	2000	2500	1600	3000		
	Q=l/min	0	4167	5000	5833	6667	7500	8334	10000	11667	13334	15000	16667	18334	20000	23334	25001	26667	33334	41668	46668	50001		
KDN 350-500A / 405/16°	H (m)	41					41	41	40	40	40	40	40	40	39	38	38	37	32					
KDN 350-500A / 405		50					50	50	50	50	50	50	49	49	49	49	48	47	43	33				
KDN 350-500A / 435		57					57	57	57	57	57	57	57	57	57	56	56	55	55	51	42	34		
KDN 350-500A / 465		65					64	64	64	64	64	64	64	64	64	64	63	63	62	59	51	44		
KDN 350-500 / 430		49					48	48	48	48	48	47	47	47	47	46	46	45	42	36				
KDN 350-500 / 460		61					61	61	60	60	60	59	59	59	58	58	57	56	54	47	40			
KDN 350-500 / 490		70					70	70	69	69	69	69	69	69	69	68	67	66	63	58	52	48		
KDN 350-500 / 518		81					81	81	81	80	80	80	80	80	80	80	79	78	76	71	66	63		

## KDN 65-250 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 65-250	2,2	100L	3 x 230 - 400 V ~	8,75 - 5,05	IE3
	3	100L	3 x 400 V ~ Δ	6,25	IE3
	4	112M	3 x 400 V ~ Δ	7,95	IE3
	5,5	132S	3 x 400 V ~ Δ	10,6	IE3
	7,5	132M	3 x 400 V ~ Δ	14,6	IE3

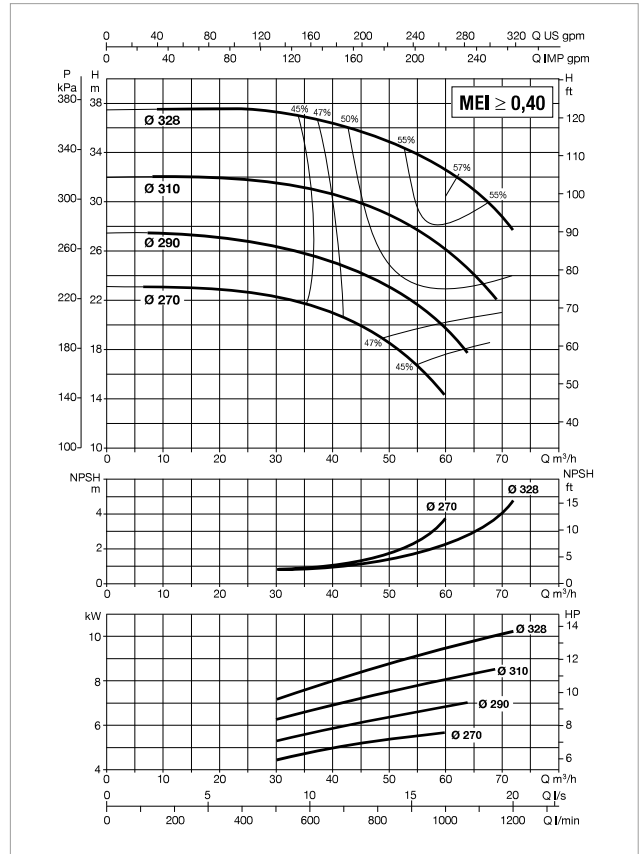
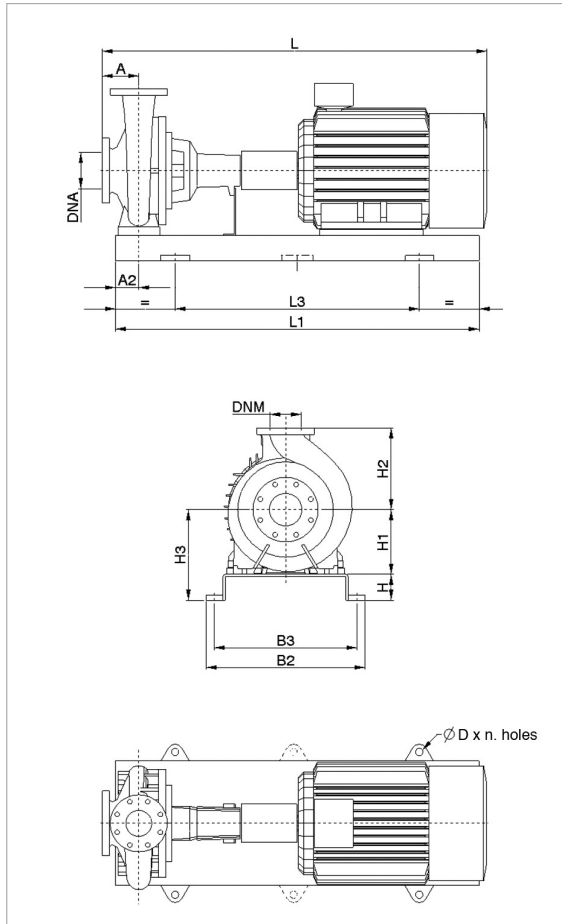
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 65-250	2,2	125	90	80	200	250	280	1120	740	490	440	24x4	100	65	1014	169	1155	169
	3	125	90	80	200	250	280	1120	740	490	440	24x4	100	65	1014	177	1155	177
	4	125	90	80	200	250	280	1120	740	490	440	24x4	100	65	1029	193	1170	193
	5,5	125	90	80	200	250	280	1120	740	490	440	24x4	100	65	1099	209	1240	209
	7,5	125	90	80	200	250	280	1120	740	490	440	24x4	100	65	1149	199	1290	214

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 65-330 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

≅ 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 65-330	5,5	132S	3 x 400 V - Δ	10,6	IE3
	7,5	132M	3 x 400 V - Δ	14,6	IE3
	11	160M	3 x 400 V - Δ	20,5	IE3
	15	160L	3 x 400 V - Δ	28	IE3

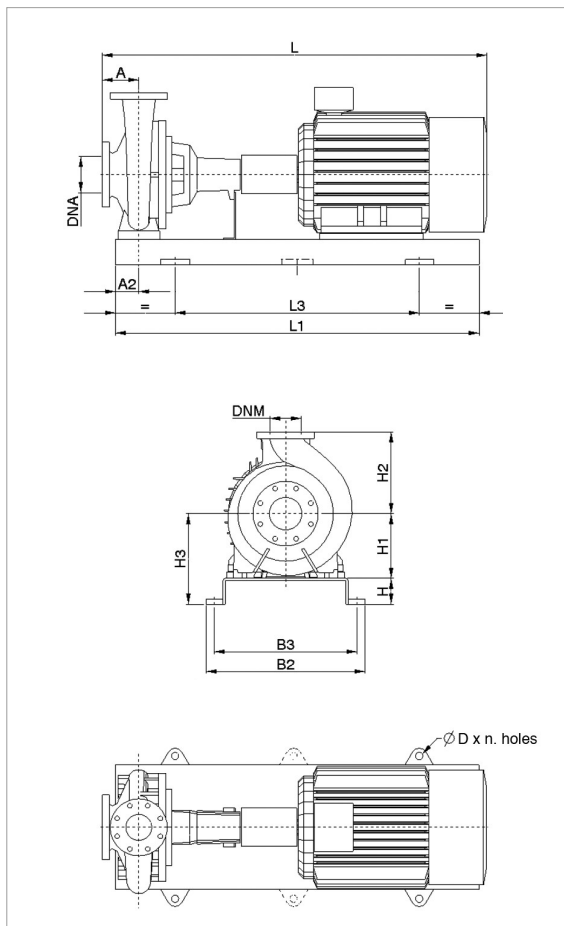
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 65-330	5,5	125	90	80	225	280	305	1250	840	540	490	24x4	100	65	1129	286	1270	286
	7,5	125	90	80	225	280	305	1250	840	540	490	24x4	100	65	1179	276	1320	291
	11	125	90	80	225	280	305	1250	840	540	490	24x4	100	65	1324	313	1465	328
	15	125	90	100	225	280	325	1400	940	610	550	28x4	100	65	1379	349	1520	364

Dimension and electrical data based on sizing definition following the instructions on page 183.

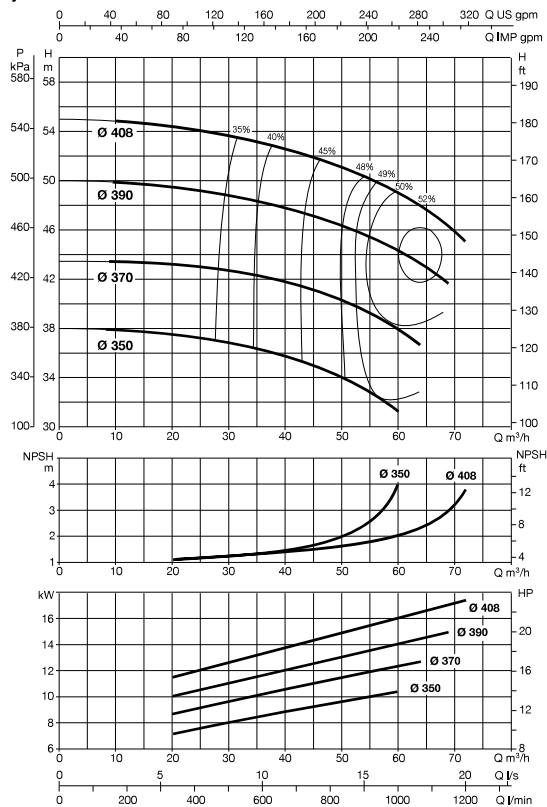
## KDN 65-400 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

≙ 1450 1/min



\* Only for markets outside the EU.



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 65-400	11	160M	3 x 400 V - Δ	20,5	IE3
	15	160L	3 x 400 V - Δ	28	IE3
	18,5	180M	3 x 400 V - Δ	34	IE3
	22	180L	3 x 400 V - Δ	40,5	IE3

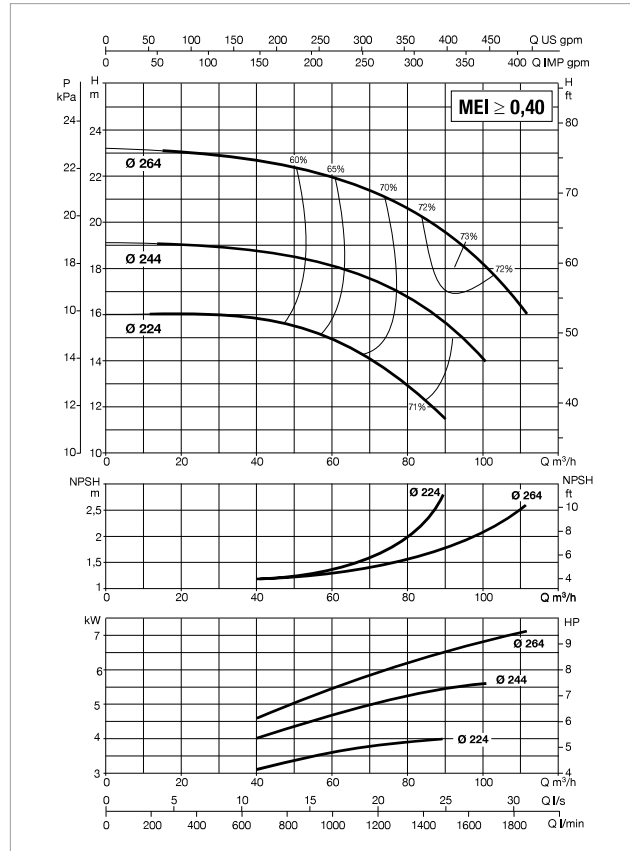
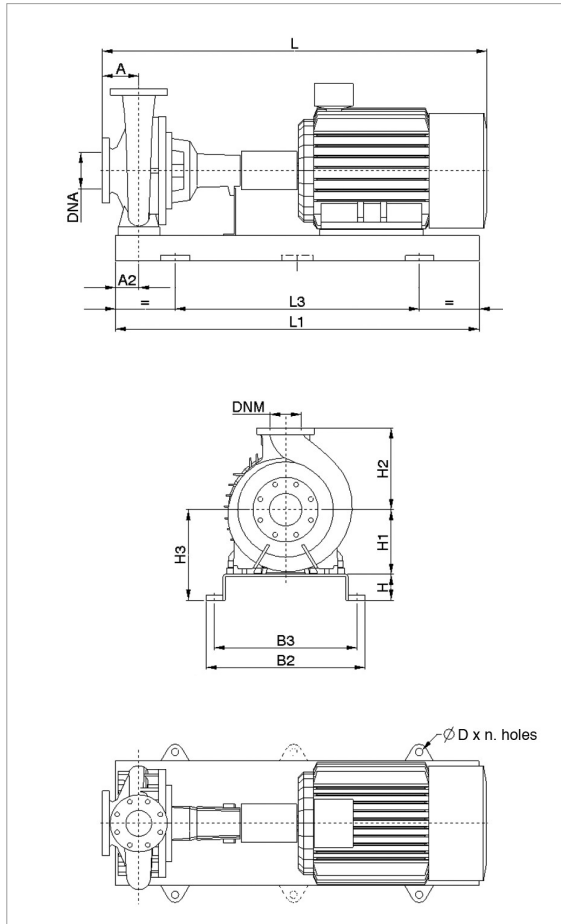
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 65-400	11	125	90	100	280	355	380	1400	940	610	550	28x4	100	65	1324	360	1465	375
	15	125	90	100	280	355	380	1400	940	610	550	28x4	100	65	1379	377	1520	392
	18,5	125	90	100	280	355	380	1400	940	610	550	28x4	100	65	1399	412	1540	427
	22	125	90	100	280	355	380	1400	940	610	550	28x4	100	65	1437	431	1578	446

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 80-250 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 80-250	4	112M	3 x 400 V - Δ	7,95	E3
	5,5	132S	3 x 400 V - Δ	10,6	E3
	7,5	132M	3 x 400 V - Δ	14,6	E3
	11	160M	3 x 400 V - Δ	20,5	E3
	15	160L	3 x 400 V - Δ	28	E3

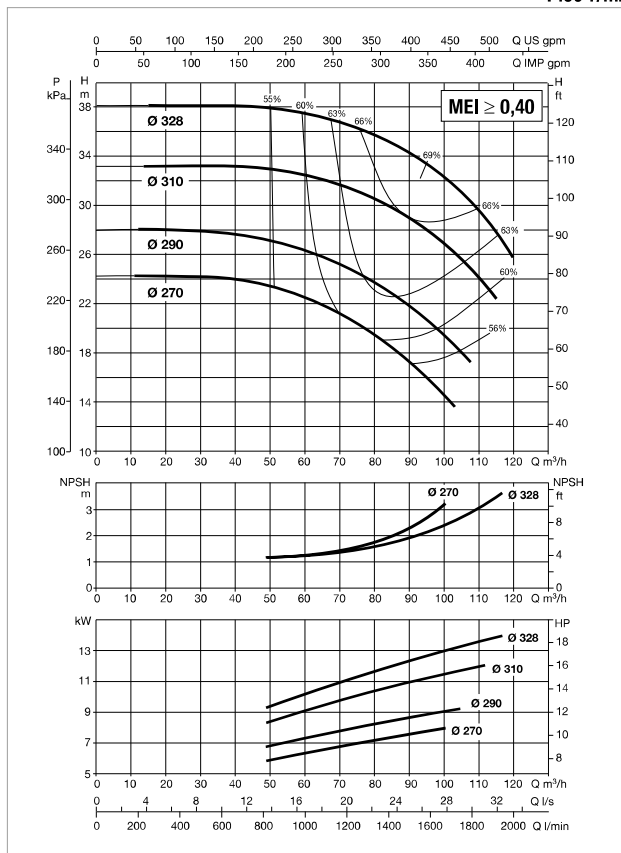
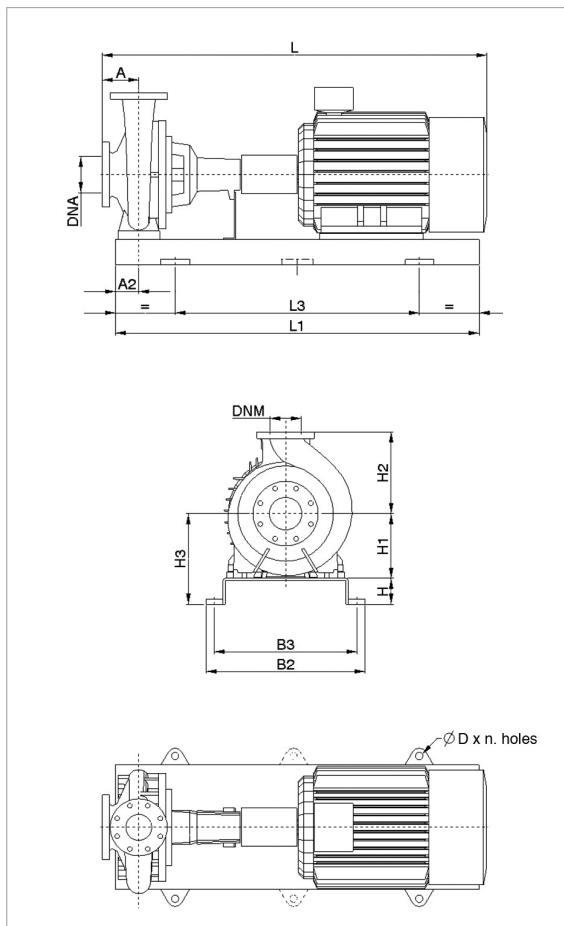
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 80-250	4	125	90	80	225	280	305	1250	840	540	490	24x4	125	80	1029	218	1170	218
	5,5	125	90	80	225	280	305	1250	840	540	490	24x4	125	80	1099	234	1240	234
	7,5	125	90	80	225	280	305	1250	840	540	490	24x4	125	80	1149	224	1290	239
	11	125	90	80	225	280	305	1250	840	540	490	24x4	125	80	1294	261	1435	276
	15	125	90	80	225	280	305	1250	840	540	490	24x4	125	80	1349	278	1490	293

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 80-330 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

**n = 1450 1/min**



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	I <sub>n</sub> A	
KDN 80-330	5,5	132S	3 x 400 V - Δ	10,6	E3
	7,5	132M	3 x 400 V - Δ	14,6	E3
	11	160M	3 x 400 V - Δ	20,5	E3
	15	160L	3 x 400 V - Δ	28	E3
	18,5	180M	3 x 400 V - Δ	34	E3

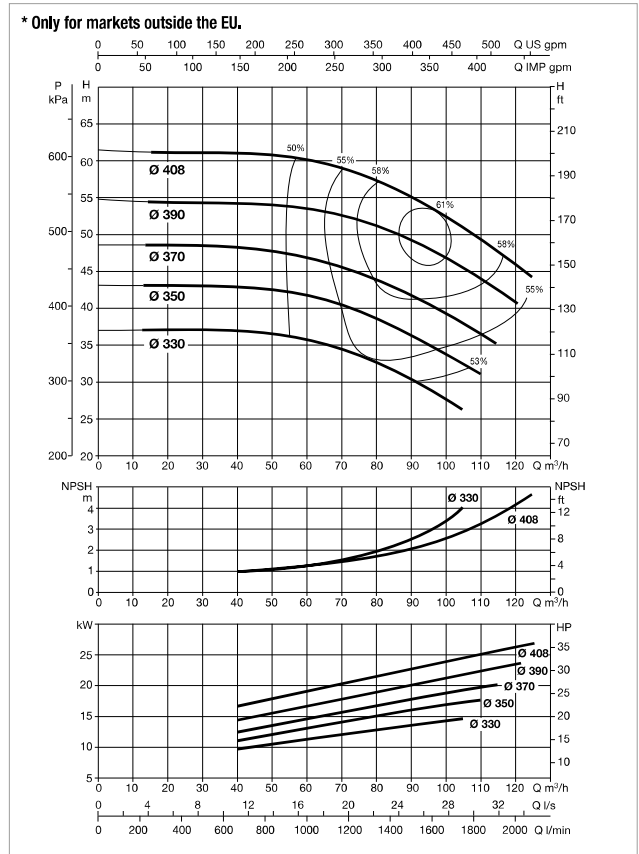
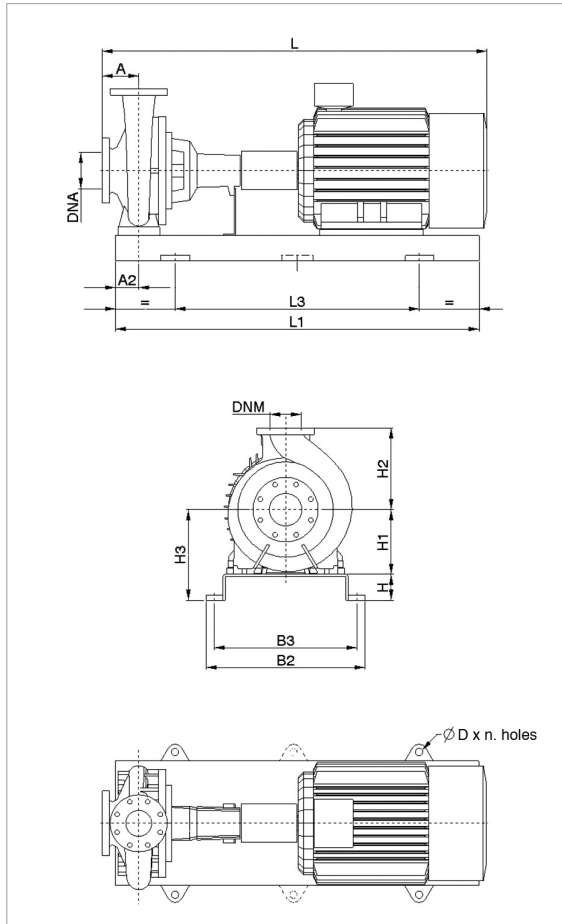
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 80-330	5,5	125	90	80	250	315	330	1250	840	540	490	24x4	125	80	1129	289	1270	289
	7,5	125	90	80	250	315	330	1250	840	540	490	24x4	125	80	1179	279	1320	294
	11	125	90	80	250	315	330	1250	840	540	490	24x4	125	80	1324	316	1465	331
	15	125	90	100	250	315	350	1400	940	610	550	28x4	125	80	1379	352	1520	367
	18,5	125	90	100	250	315	350	1400	940	610	550	28x4	125	80	1399	387	1540	402

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 80-400 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 80-400	11	160M	3 x 400 V - Δ	20,5	IE3
	15	160L	3 x 400 V - Δ	28	IE3
	18,5	180M	3 x 400 V - Δ	34	IE3
	22	180L	3 x 400 V - Δ	40,5	IE3
	30	200L	3 x 400 V - Δ	53,5	IE3
	37	225S	3 x 400 V - Δ	65	IE3

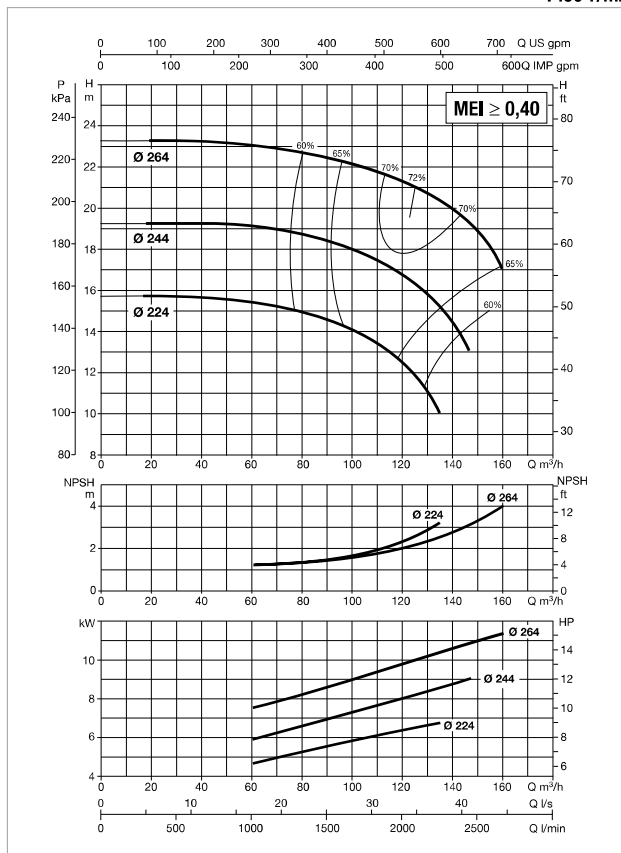
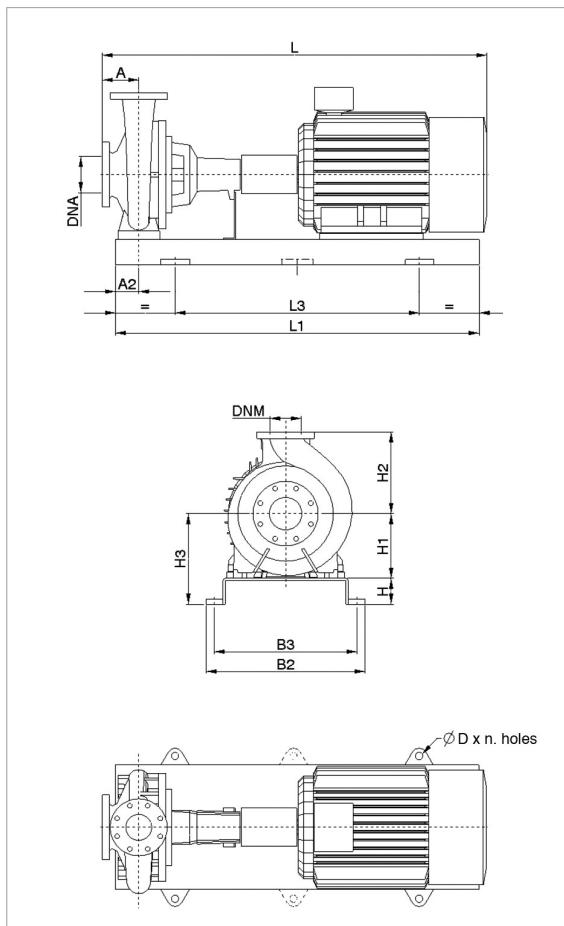
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 80-400	11	125	90	100	280	355	380	1400	940	610	550	28x4	125	80	1324	365	1465	380
	15	125	90	100	280	355	380	1400	940	610	550	28x4	125	80	1379	382	1520	397
	18,5	125	90	100	280	355	380	1400	940	610	550	28x4	125	80	1399	417	1540	432
	22	125	90	100	280	355	380	1400	940	610	550	28x4	125	80	1437	436	1578	451
	30	125	90	100	280	355	380	1400	940	610	550	28x4	125	80	1479	530	1620	545
	37	125	90	100	280	355	380	1400	940	610	550	28x4	125	80	1545	585	1686	600

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 100-250 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 100-250	5,5	132S	3 x 400 V - Δ	10,6	IE3
	7,5	132M	3 x 400 V - Δ	14,6	IE3
	11	160M	3 x 400 V - Δ	20,5	IE3
	15	160L	3 x 400 V - Δ	28	IE3
	18,5	180M	3 x 400 V - Δ	34	IE3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 100-250	5,5	140	90	80	225	280	305	1250	840	540	490	24x4	125	100	1144	264	1285	264
	7,5	140	90	80	225	280	305	1250	840	540	490	24x4	125	100	1194	254	1335	269
	11	140	90	80	225	280	305	1250	840	540	490	24x4	125	100	1339	291	1480	306
	15	140	90	100	225	280	325	1400	940	610	550	28x4	125	100	1394	327	1535	342
	18,5	140	90	100	225	280	325	1400	940	610	550	28x4	125	100	1414	362	1555	377

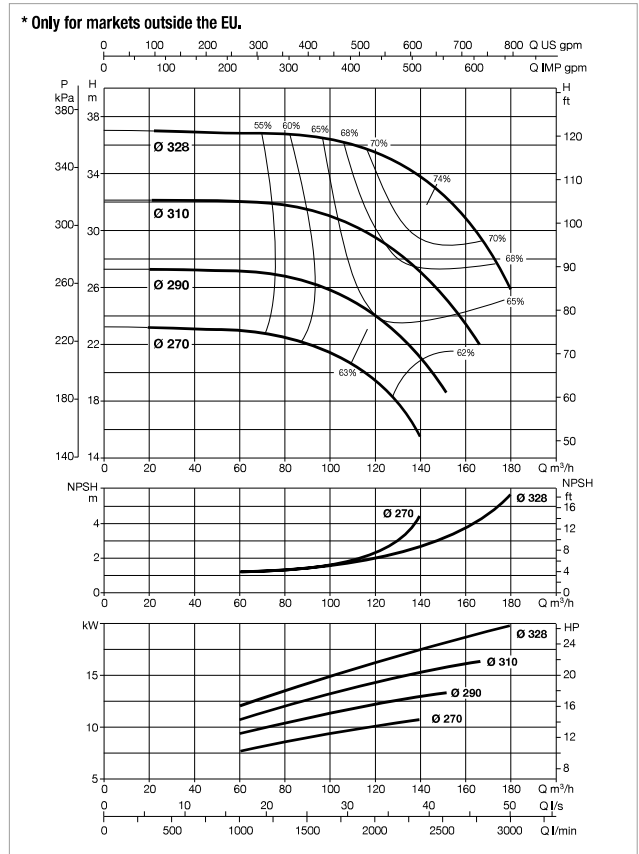
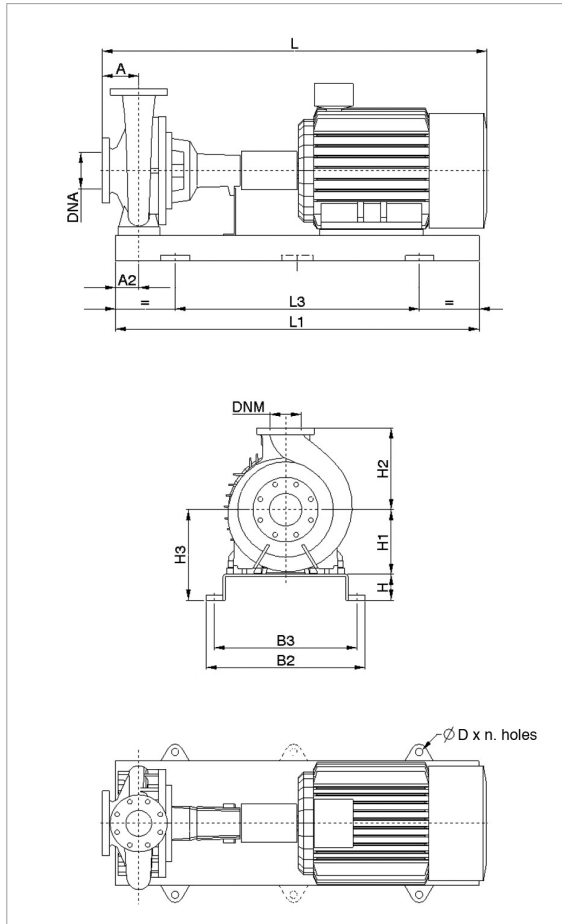
Dimension and electrical data based on sizing definition following the instructions on page 183.



# KDN 100-330 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 100-330	5,5	132S	3 x 400 V ~ Δ	10,6	E3
	7,5	132M	3 x 400 V ~ Δ	14,6	E3
	11	160M	3 x 400 V ~ Δ	20,5	E3
	15	160L	3 x 400 V ~ Δ	28	E3
	18,5	180M	3 x 400 V ~ Δ	34	E3
	22	180L	3 x 400 V ~ Δ	40,5	E3
	30	200L	3 x 400 V ~ Δ	53,5	E3

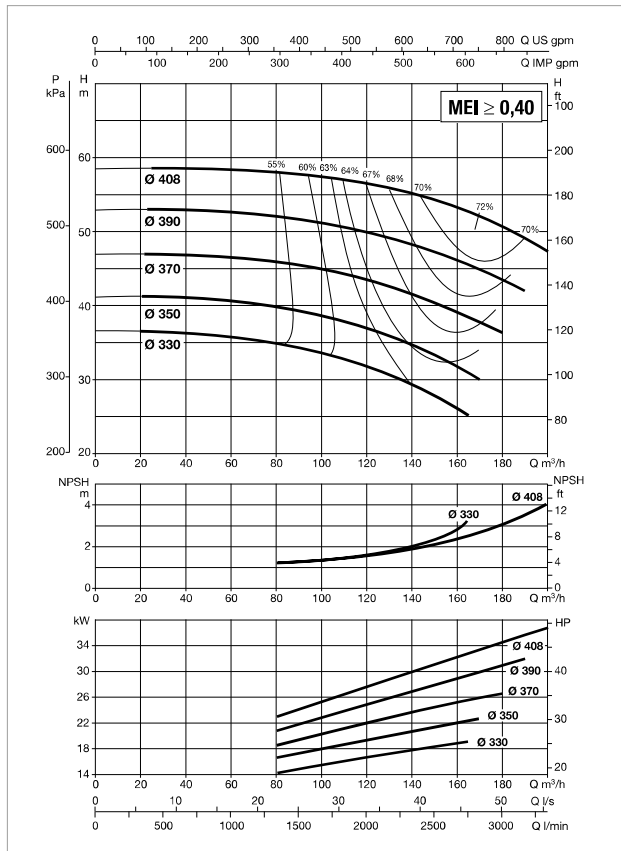
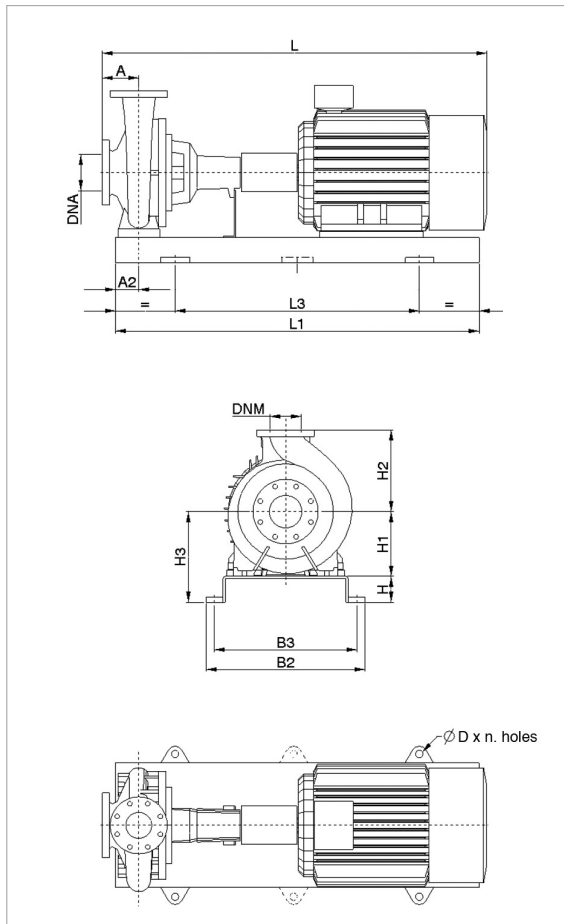
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 100-330	5,5	140	90	80	250	315	330	1250	840	540	490	24x4	125	100	1144	304	1285	304
	7,5	140	90	80	250	315	330	1250	840	540	490	24x4	125	100	1194	294	1335	309
	11	140	90	80	250	315	330	1250	840	540	490	24x4	125	100	1339	331	1480	346
	15	140	90	100	250	315	350	1400	940	610	550	28x4	125	100	1394	367	1535	382
	18,5	140	90	100	250	315	350	1400	940	610	550	28x4	125	100	1414	402	1555	417
	22	140	90	100	250	315	350	1400	940	610	550	28x4	125	100	1452	421	1593	436
	30	140	90	100	250	315	350	1400	940	610	550	28x4	125	100	1494	515	1635	530

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 100-400 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

**= 1450 1/min**



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	I <sub>n</sub> A	
KDN 100-400	11	160M	3 x 400 V - Δ	20,5	E3
	15	160L	3 x 400 V - Δ	28	E3
	18,5	180M	3 x 400 V - Δ	34	E3
	22	180L	3 x 400 V - Δ	40,5	E3
	30	200L	3 x 400 V - Δ	53,5	E3
	37	225S	3 x 400 V - Δ	65	E3
	45	225M	3 x 400 V - Δ	68,5	E3

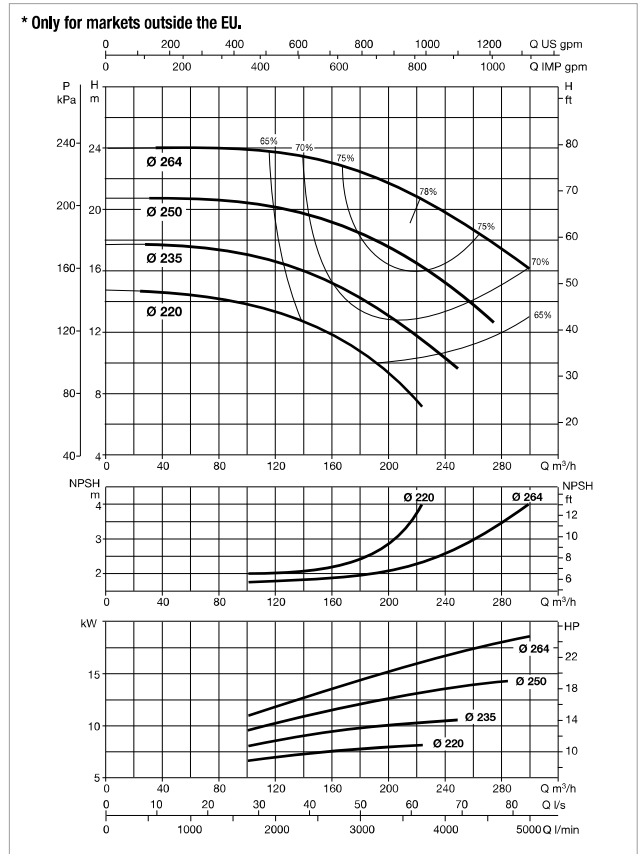
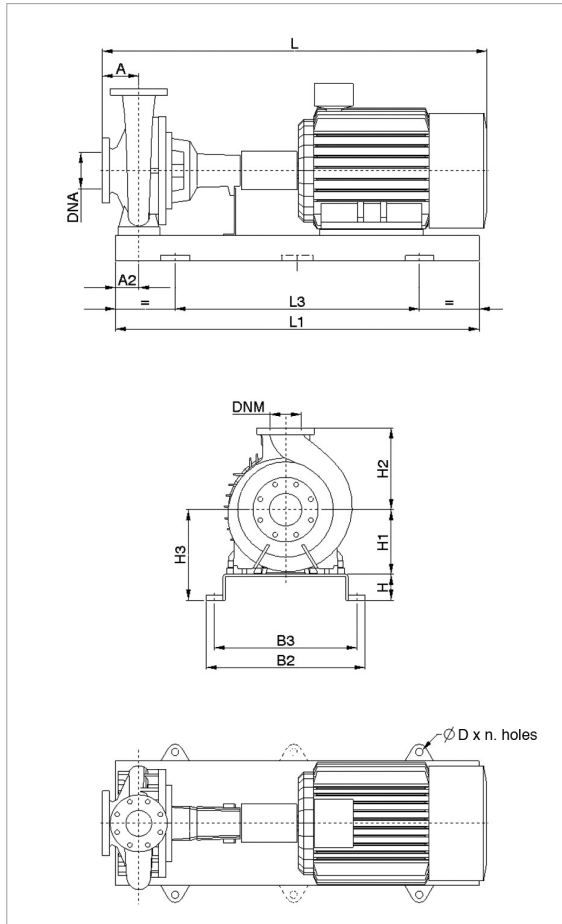
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 100-400	11	140	110	100	280	355	380	1600	1060	660	600	28x4	125	100	1339	397	1480	412
	15	140	110	100	280	355	380	1600	1060	660	600	28x4	125	100	1394	414	1535	429
	18,5	140	110	100	280	355	380	1600	1060	660	600	28x4	125	100	1414	449	1555	464
	22	140	110	100	280	355	380	1600	1060	660	600	28x4	125	100	1452	468	1593	483
	30	140	110	100	280	355	380	1600	1060	660	600	28x4	125	100	1494	562	1635	577
	37	140	110	100	280	355	380	1600	1060	660	600	28x4	125	100	1560	617	1701	632
	45	140	110	100	280	355	380	1600	1060	660	600	28x4	125	100	1590	647	1731	662

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 125-250 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	I <sub>n</sub> A	
KDN 125-250	5,5	132S	3 x 400 V - Δ	10,6	IE3
	7,5	132M	3 x 400 V - Δ	14,6	IE3
	11	160M	3 x 400 V - Δ	20,5	IE3
	15	160L	3 x 400 V - Δ	28	IE3
	18,5	180M	3 x 400 V - Δ	34	IE3
	22	180L	3 x 400 V - Δ	40,5	IE3

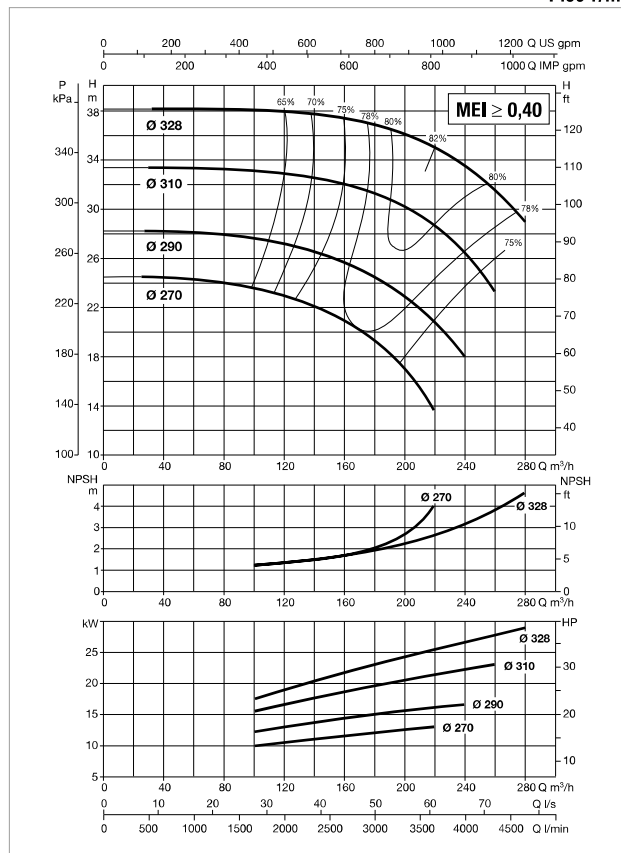
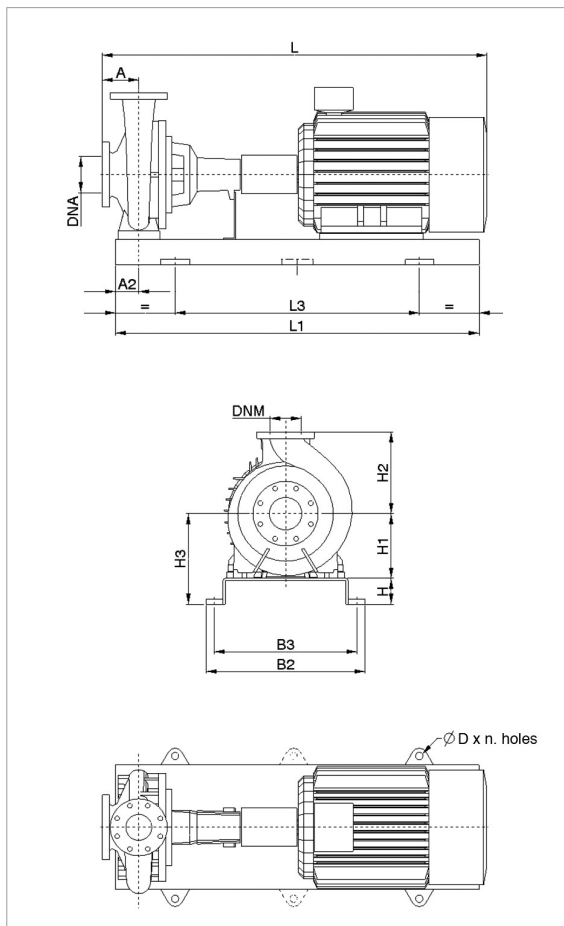
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 125-250	5,5	140	90	80	250	355	330	1250	840	540	490	24x4	150	125	1144	274	1285	274
	7,5	140	90	80	250	355	330	1250	840	540	490	24x4	150	125	1194	284	1335	279
	11	140	90	80	250	355	330	1250	840	540	490	24x4	150	125	1339	301	1480	316
	15	140	90	100	250	355	350	1400	940	610	550	28x4	150	125	1394	337	1535	352
	18,5	140	90	100	250	355	350	1400	940	610	550	28x4	150	125	1414	372	1555	387
	22	140	90	100	250	355	350	1400	940	610	550	28x4	150	125	1452	391	1593	406

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 125-330 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 125-330	11	160M	3 x 400 V - Δ	20,5	E3
	15	160L	3 x 400 V - Δ	28	E3
	18,5	180M	3 x 400 V - Δ	34	E3
	22	180L	3 x 400 V - Δ	40,5	E3
	30	200L	3 x 400 V - Δ	53,5	E3
	37	225S	3 x 400 V - Δ	65	E3

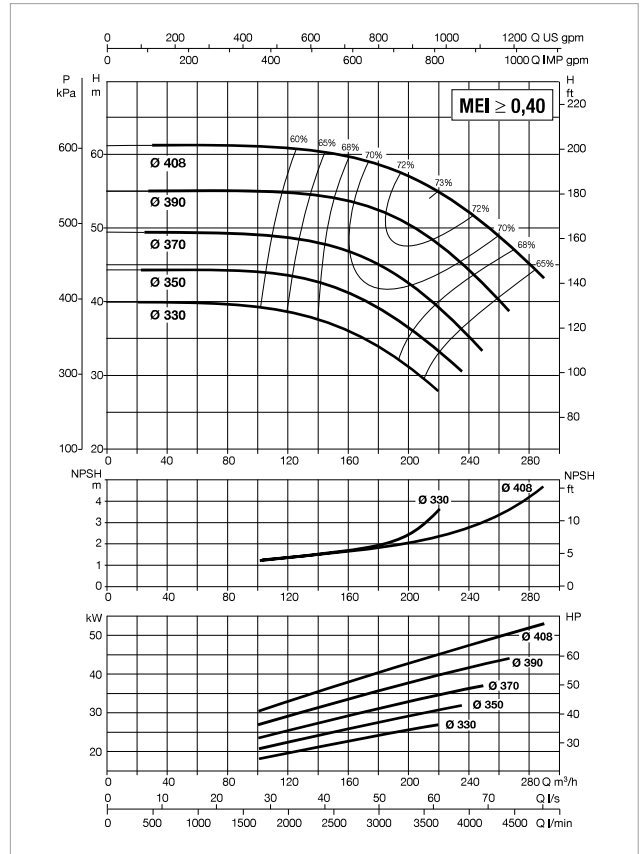
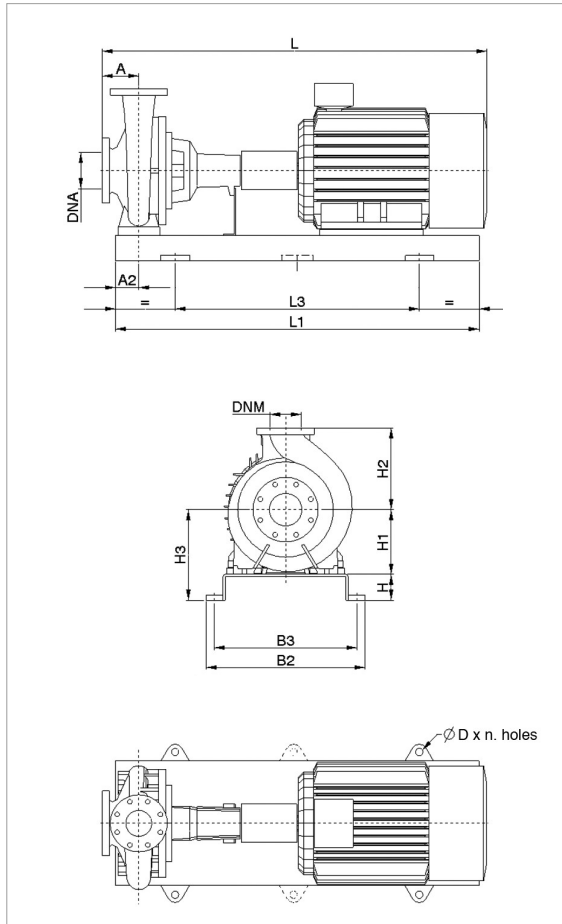
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 125-330	11	140	110	100	280	355	380	1600	1060	660	600	28x4	150	125	1339	387	1480	402
	15	140	110	100	280	355	380	1600	1060	660	600	28x4	150	125	1394	404	1535	419
	18,5	140	110	100	280	355	380	1600	1060	660	600	28x4	150	125	1414	439	1555	454
	22	140	110	100	280	355	380	1600	1060	660	600	28x4	150	125	1452	458	1593	473
	30	140	110	100	280	355	380	1600	1060	660	600	28x4	150	125	1494	552	1635	567
	37	140	110	100	280	355	380	1600	1060	660	600	28x4	150	125	1560	607	1701	622

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 125-400 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 125-400	18,5	180M	3 x 400 V ~ Δ	34	IE3
	22	180L	3 x 400 V ~ Δ	40,5	IE3
	30	200L	3 x 400 V ~ Δ	53,5	IE3
	37	225S	3 x 400 V ~ Δ	65	IE3
	45	225M	3 x 400 V ~ Δ	78,5	IE3
	55	250M	3 x 400 V ~ Δ	96	IE3
	75	280S	3 x 400 V ~ Δ	130	IE3

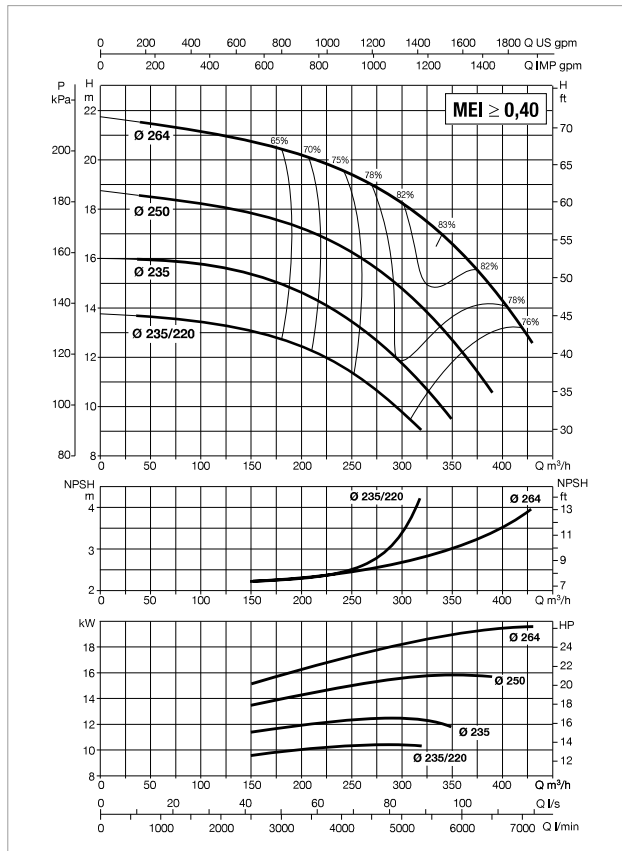
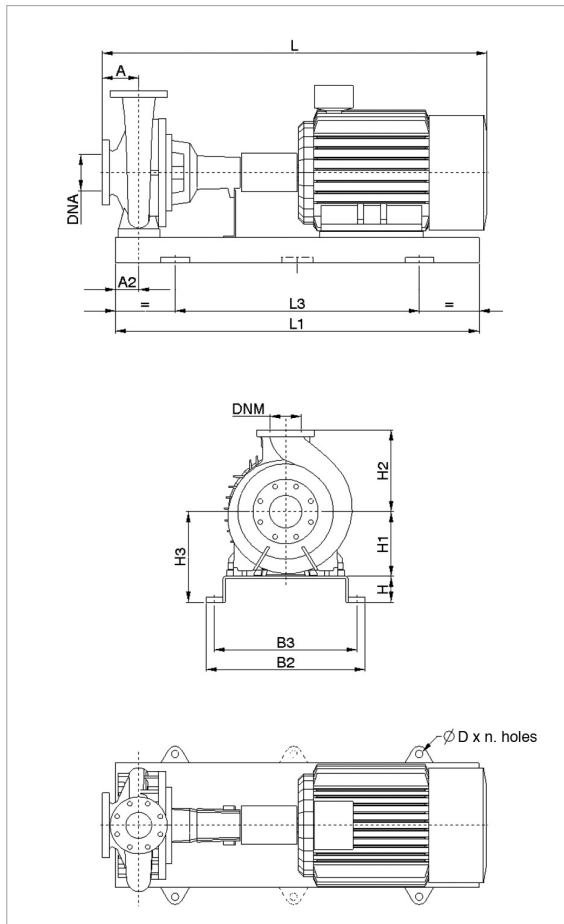
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 125-400	18,5	140	110	100	315	400	415	1600	1060	660	600	28x4	150	125	1414	469	1555	484
	22	140	110	100	315	400	415	1600	1060	660	600	28x4	150	125	1452	488	1593	503
	30	140	110	100	315	400	415	1600	1060	660	600	28x4	150	125	1494	582	1635	597
	37	140	110	100	315	400	415	1600	1060	660	600	28x4	150	125	1560	637	1701	652
	45	140	110	100	315	400	415	1600	1060	660	600	28x4	150	125	1590	667	1731	682
	55	140	110	100	315	400	415	1600	1060	660	600	28x4	150	125	1660	774	1801	789
	75	140	110	100	315	400	415	1800	1200	730	670	28x4	150	125	1715	962	1856	977

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 150-250 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

**= 1450 1/min**



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 150-250	11	160M	3 x 400 V - Δ	20,5	IE3
	15	160L	3 x 400 V - Δ	28	IE3
	18,5	180M	3 x 400 V - Δ	34	IE3
	22	180L	3 x 400 V - Δ	40,5	IE3
	30	200L	3 x 400 V - Δ	53,5	IE3

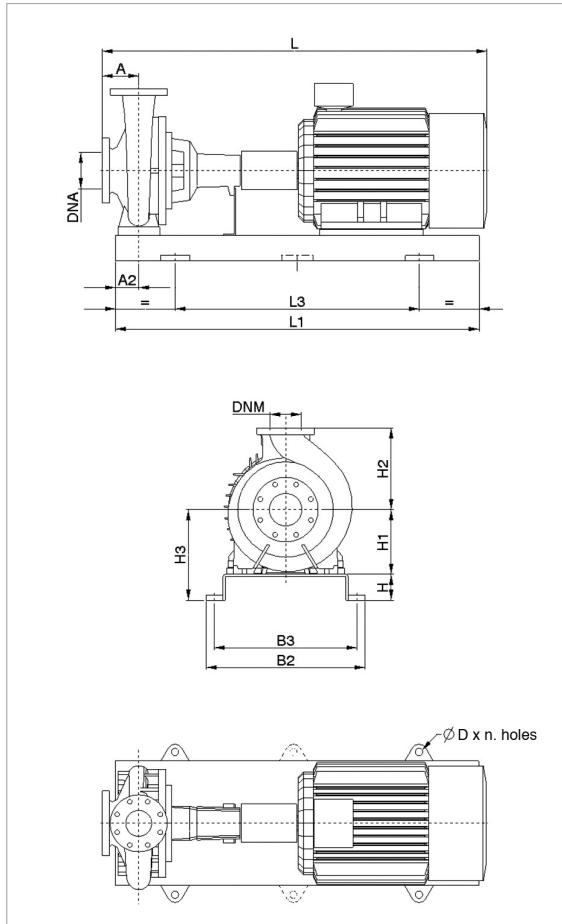
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 150-250	11	160	110	100	280	375	380	1600	1060	660	600	28x4	200	150	1359	377	1540	392
	15	160	110	100	280	375	380	1600	1060	660	600	28x4	200	150	1414	394	1595	409
	18,5	160	110	100	280	375	380	1600	1060	660	600	28x4	200	150	1434	429	1615	444
	22	160	110	100	280	375	380	1600	1060	660	600	28x4	200	150	1472	448	1653	463
	30	160	110	100	280	375	380	1600	1060	660	600	28x4	200	150	1514	542	1695	557

Dimension and electrical data based on sizing definition following the instructions on page 183.

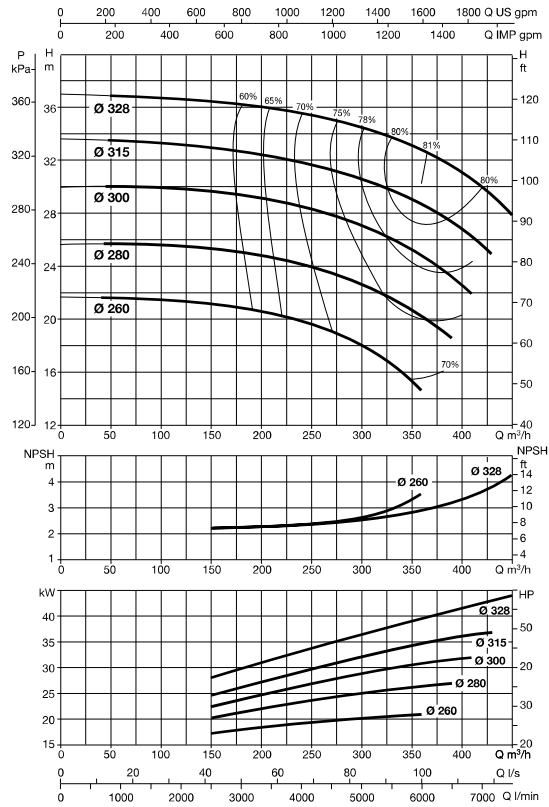
# KDN 150-330 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



\* Only for markets outside the EU.



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 150-330	18,5	180M	3 x 400 V - Δ	34	E3
	22	180L	3 x 400 V - Δ	40,5	E3
	30	200L	3 x 400 V - Δ	53,5	E3
	37	225S	3 x 400 V - Δ	65	E3
	45	225M	3 x 400 V - Δ	78,5	E3
	55	250M	3 x 400 V - Δ	96	E3

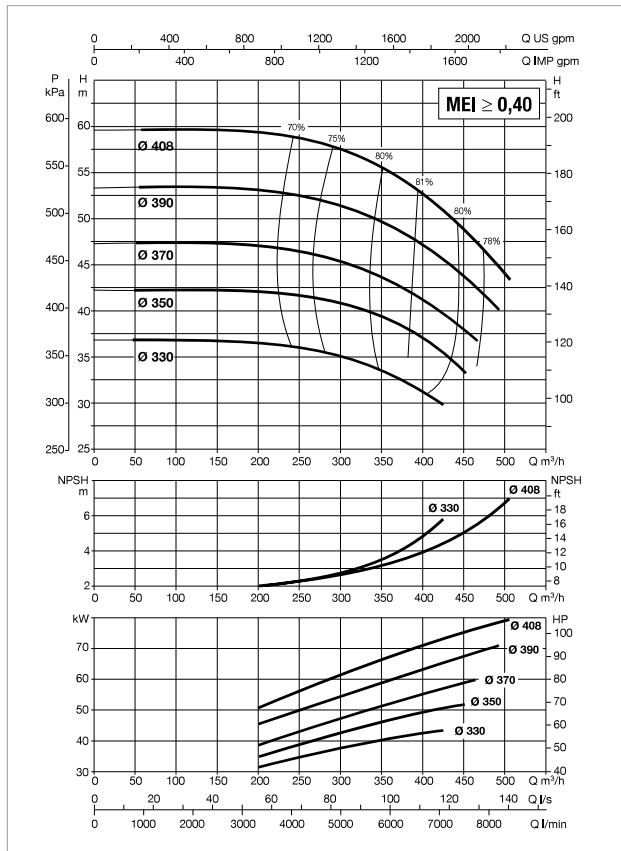
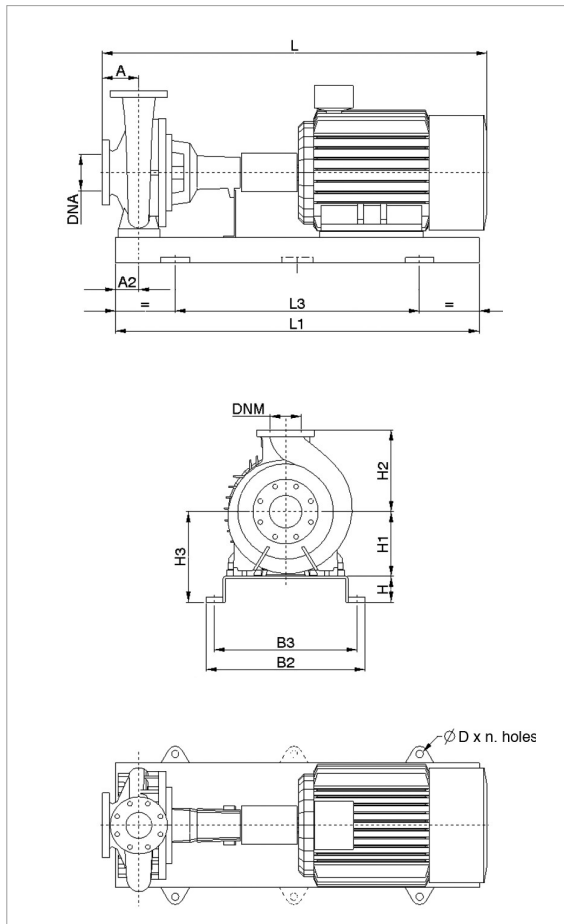
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 150-330	18,5	160	110	100	315	400	415	1800	1200	730	670	28x4	200	150	1574	590	1755	605
	22	160	110	100	315	400	415	1800	1200	730	670	28x4	200	150	1612	609	1793	624
	30	160	110	100	315	400	415	1800	1200	730	670	28x4	200	150	1654	703	1835	718
	37	160	110	100	315	400	415	1800	1200	730	670	28x4	200	150	1720	758	1901	773
	45	160	110	100	315	400	415	1800	1200	730	670	28x4	200	150	1750	788	1931	803
	55	160	110	100	315	400	415	1800	1200	730	670	28x4	200	150	1820	895	2001	910

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 150-400 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

**= 1450 1/min**



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	I <sub>n</sub> A	
KDN 150-400	37	225S	3 x 400 V - Δ	65	E3
	45	225M	3 x 400 V - Δ	78,5	E3
	55	250M	3 x 400 V - Δ	96	E3
	75	280S	3 x 400 V - Δ	130	E3
	90	280M	3 x 400 V - Δ	156	E3
	110	315S	3 x 400 V - Δ	190	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		STANDARD COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 150-400	37	160	110	100	315	450	415	1800	1200	730	670	28x4	200	150	1720	801	1901	816
	45	160	110	100	315	450	415	1800	1200	730	670	28x4	200	150	1750	831	1931	846
	55	160	110	100	315	450	415	1800	1200	730	670	28x4	200	150	1820	938	2001	953
	75	160	110	100	315	450	415	1800	1200	730	670	28x4	200	150	1875	1040	2056	1055
	90	160	110	100	315	450	415	1800	1200	730	670	28x4	200	150	1925	1145	2106	1160
	110	160	110	120	315	450	435	2000	1340	910	830	28x4	200	150	2175	1595	2356	1610

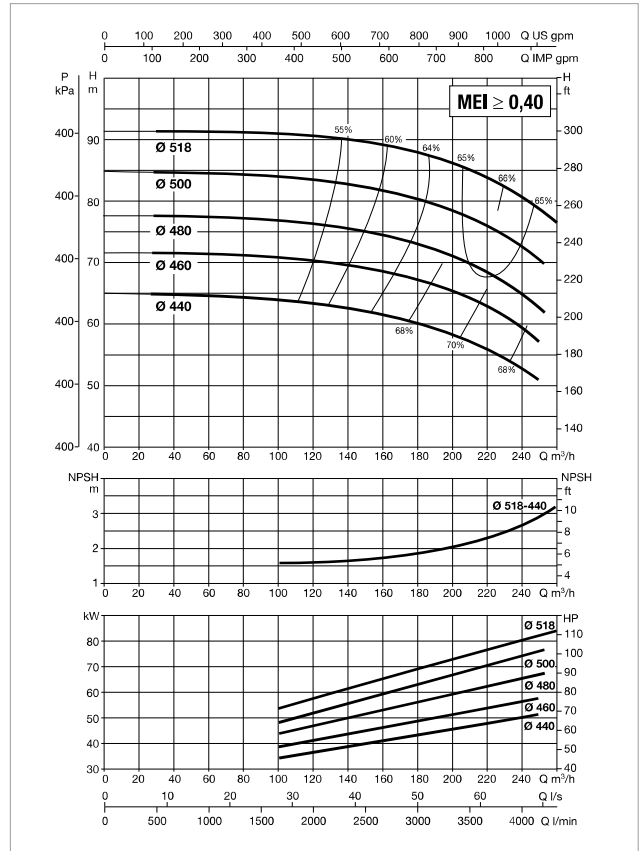
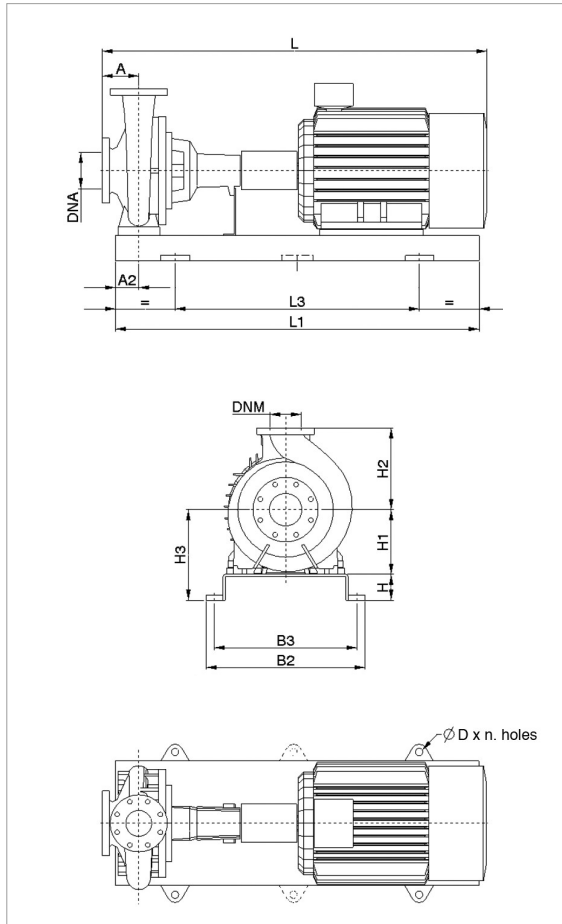
Dimension and electrical data based on sizing definition following the instructions on page 183.



# KDN 150-550A - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 150-500A	37	225S	3 x 400 V - Δ	65	E3
	45	225M	3 x 400 V - Δ	78,5	E3
	55	250M	3 x 400 V - Δ	96	E3
	75	280S	3 x 400 V - Δ	130	E3
	90	280M	3 x 400 V - Δ	156	E3
	110	315S	3 x 400 V - Δ	190	E3

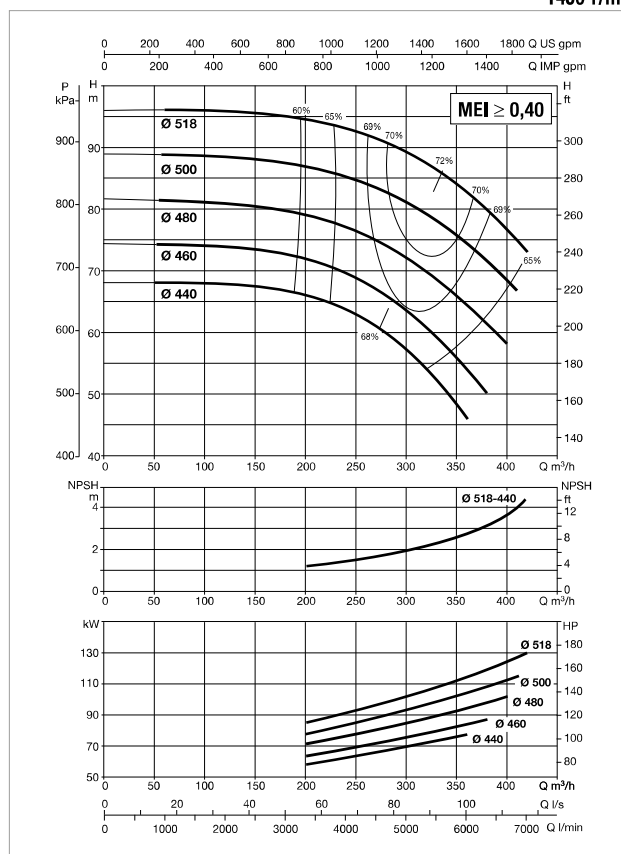
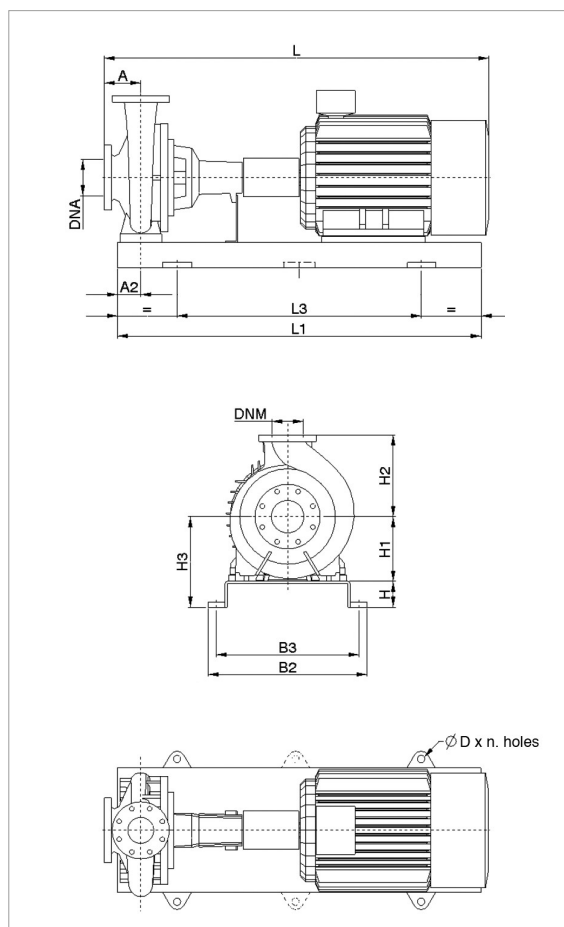
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 150-500A	37	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1740	913	1921	928
	45	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1770	943	1951	958
	55	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1840	1050	2021	1065
	75	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1895	1152	2076	1167
	90	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1945	1257	2126	1272
	110	180	110	120	355	500	475	2000	1340	910	830	28x4	200	150	2195	1707	2376	1722

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 150-500 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 150-500	75	280S	3 x 400 V - Δ	130	E3
	90	280M	3 x 400 V - Δ	156	E3
	110	315S	3 x 400 V - Δ	190	E3
	132	315M	3 x 400 V - Δ	230	E3
	160	315L	3 x 400 V - Δ	275	E3
	200	315L	3 x 400 V - Δ	340	E3
	250	355	3 x 400 V - Δ	420	E3

MODEL	POWER (kW)	UNIT DIMENSION (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 150-500	75	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1895	1152	2076	1167
	90	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1945	1257	2126	1272
	110	180	110	120	355	500	475	2000	1340	910	830	28x4	200	150	2212	1707	2393	1722
	132	180	120	205	355	500	560	1770	1170	715	670	20x4	200	150	2322	1780	2503	1795
	160	180	120	205	355	500	560	1770	1170	715	670	20x4	200	150	2322	1860	2503	1875
	200	180	120	205	355	500	560	1770	1170	715	670	20x4	200	150	2322	1955	2503	1970
	250	180	120	205	355	500	560	2000	1400	960	915	20x4	200	150	2442	(*)	2623	(*)

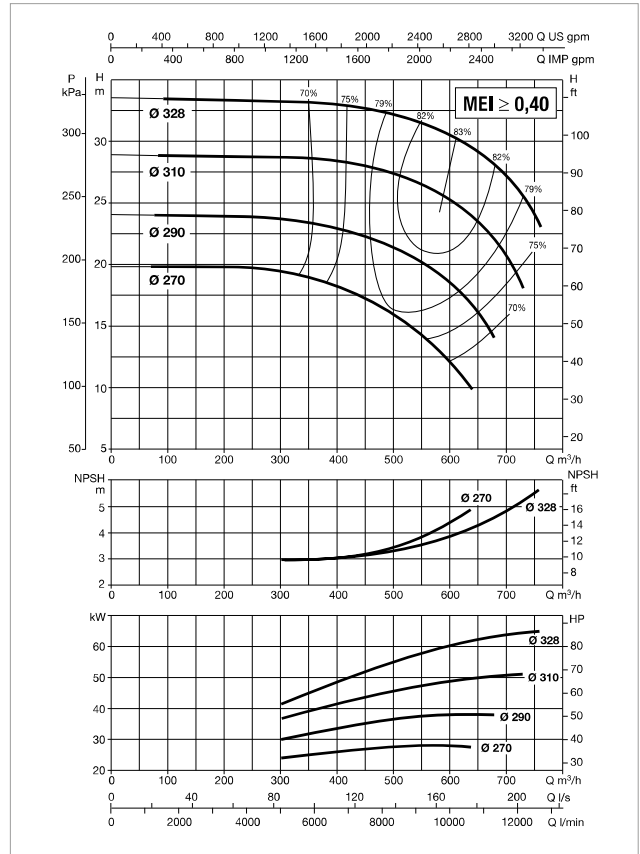
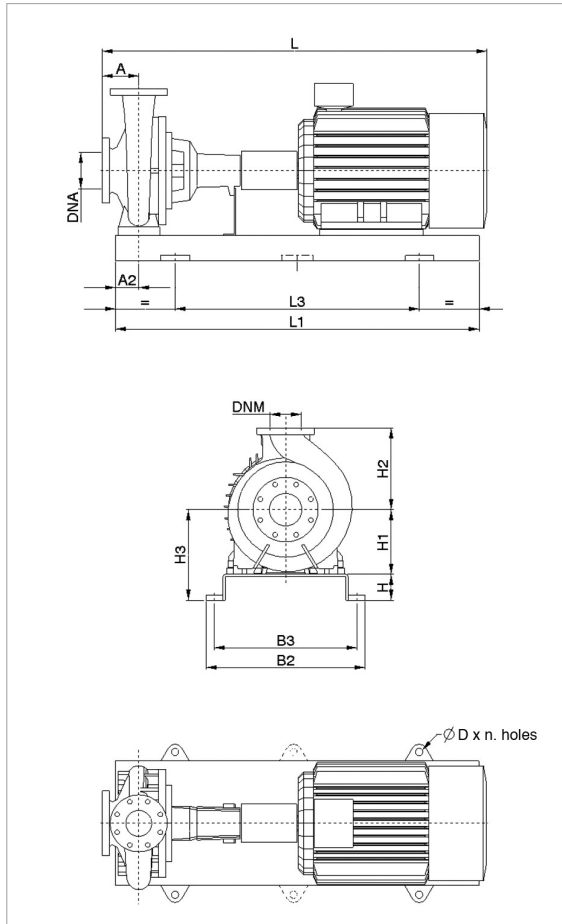
Dimension and electrical data based on sizing definition following the instructions on page 183.

(\*) Data on request.

# KDN 200-330 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 200-330	30	200L	3 x 400 V - Δ	53,5	E3
	37	225S	3 x 400 V - Δ	65	E3
	45	225M	3 x 400 V - Δ	78,5	E3
	55	250M	3 x 400 V - Δ	96	E3
	75	280S	3 x 400 V - Δ	130	E3
	90	280M	3 x 400 V - Δ	156	E3

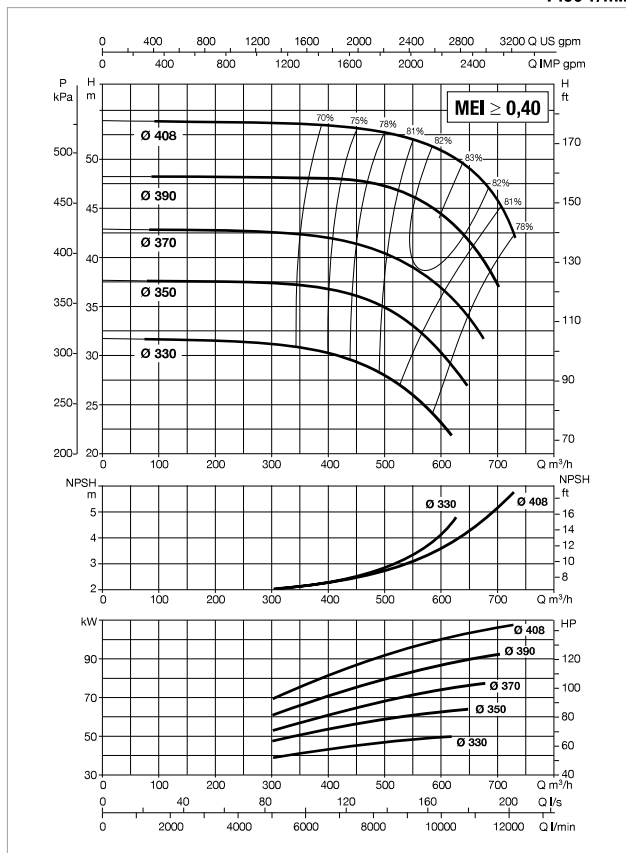
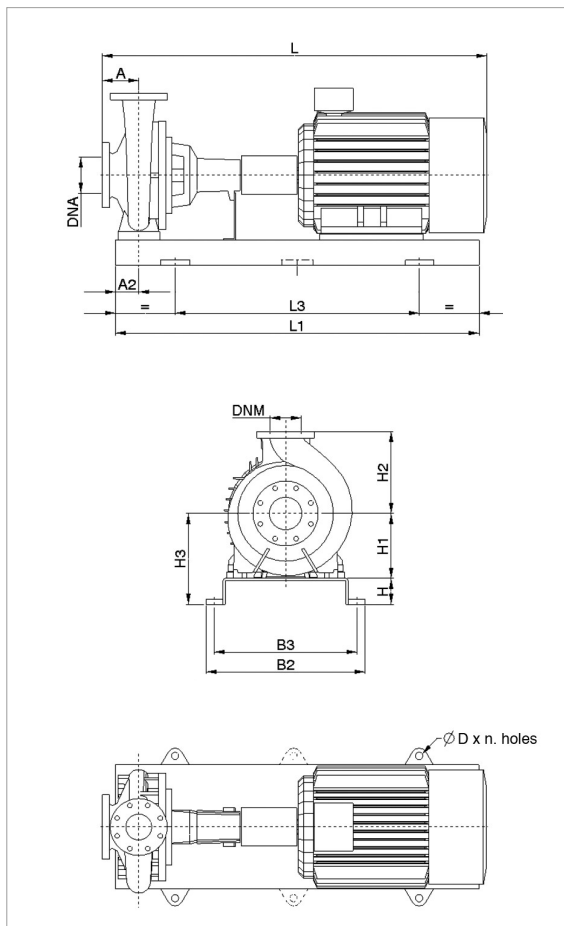
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 200-330	30	200	110	100	355	450	455	1800	1200	730	670	28x4	250	200	1694	808	1875	823
	37	200	110	100	355	450	455	1800	1200	730	670	28x4	250	200	1760	814	1941	829
	45	200	110	100	355	450	455	1800	1200	730	670	28x4	250	200	1790	877	1971	892
	55	200	110	100	355	450	455	1800	1200	730	670	28x4	250	200	1860	888	2041	903
	75	200	110	100	355	450	455	1800	1200	730	670	28x4	250	200	1915	985	2096	1000
	90	200	110	100	355	450	455	1800	1200	730	670	28x4	250	200	1965	1087	2146	1102

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 200-400 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 200-400	37	225S	3 x 400 V - Δ	66	E3
	45	225M	3 x 400 V - Δ	78,5	E3
	55	250M	3 x 400 V - Δ	96	E3
	75	280S	3 x 400 V - Δ	130	E3
	90	280M	3 x 400 V - Δ	156	E3
	110	315S	3 x 400 V - Δ	190	E3
	132	315M	3 x 400 V - Δ	230	E3

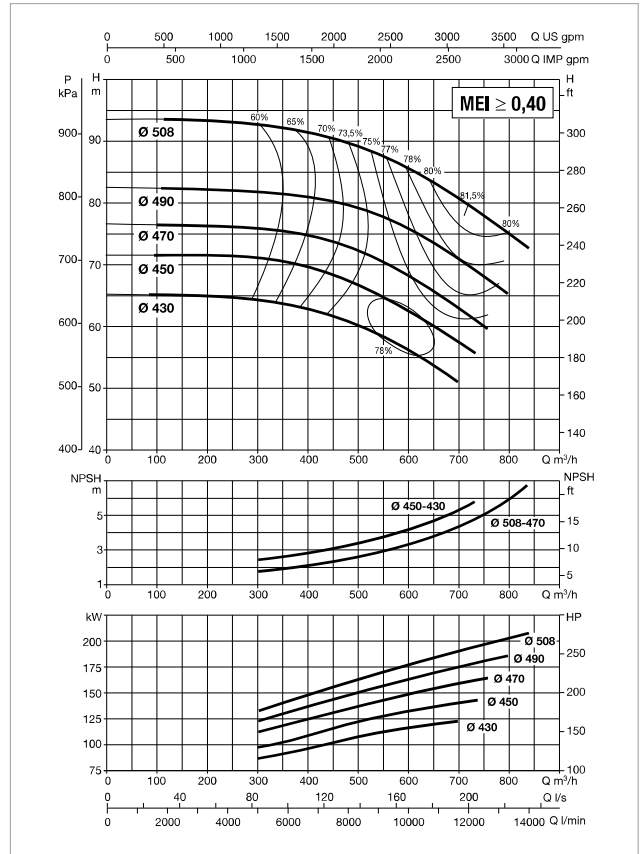
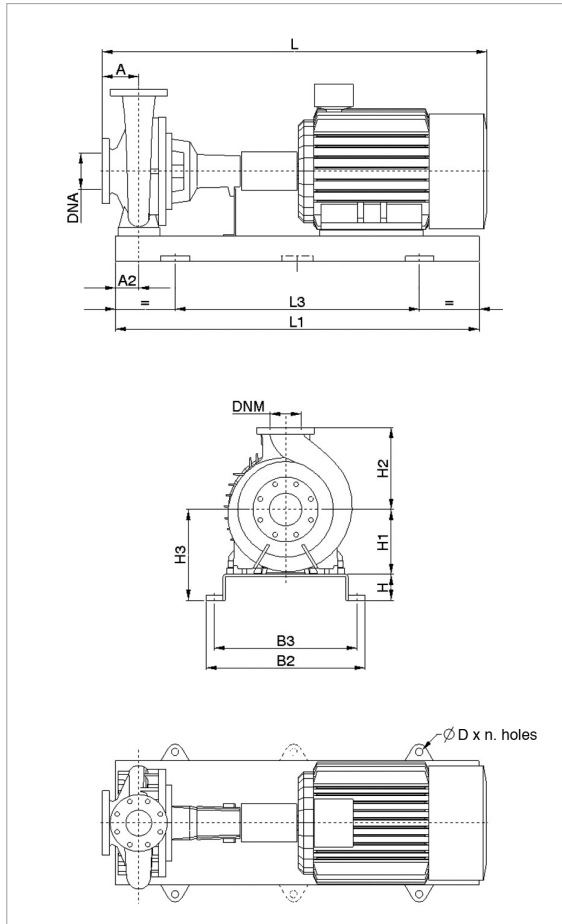
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 200-400	37	185	110	100	355	500	455	1800	1200	730	670	28x4	250	200	1745	893	1926	908
	45	185	110	100	355	500	455	1800	1200	730	670	28x4	250	200	1775	923	1956	938
	55	185	110	100	355	500	455	1800	1200	730	670	28x4	250	200	1845	1030	2026	1045
	75	185	110	100	355	500	455	1800	1200	730	670	28x4	250	200	1900	1132	2081	1147
	90	185	110	100	355	500	455	1800	1200	730	670	28x4	250	200	1950	1237	2131	1252
	110	185	110	120	355	500	475	2000	1340	910	830	28x4	250	200	2217	1687	2398	1702
	132	185	125	205	355	500	560	1770	1170	715	670	20x4	250	200	2327	1510	2508	1525

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 200-500 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 200-500	75	280S	3 x 400 V - Δ	130	E3
	90	280M	3 x 400 V - Δ	156	E3
	110	315S	3 x 400 V - Δ	190	E3
	132	315M	3 x 400 V - Δ	230	E3
	160	315L	3 x 400 V - Δ	175	E3
	200	315L	3 x 400 V - Δ	340	E3
	250	355	3 x 400 V - Δ	420	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 200-500	75	185	145	185	400	580	585	1650	1050	960	915	20x4	250	200	2006	1120	2186	1135
	90	185	145	185	400	580	585	1650	1050	960	915	20x4	250	200	2006	1105	2186	1120
	110	185	145	205	400	580	605	1800	1200	960	915	20x4	250	200	2113	1735	2293	1750
	132	185	145	205	400	580	605	1800	1200	960	915	20x4	250	200	2113	1675	2293	1690
	160	185	145	205	400	580	605	1800	1200	960	915	20x4	250	200	2113	1665	2293	1680
	200	185	145	205	400	580	605	1800	1200	960	915	20x4	250	200	2113	1600	2293	1615
	250	185	145	205	400	580	605	2050	1450	960	915	20x4	250	200	(*)	(*)	(*)	(*)

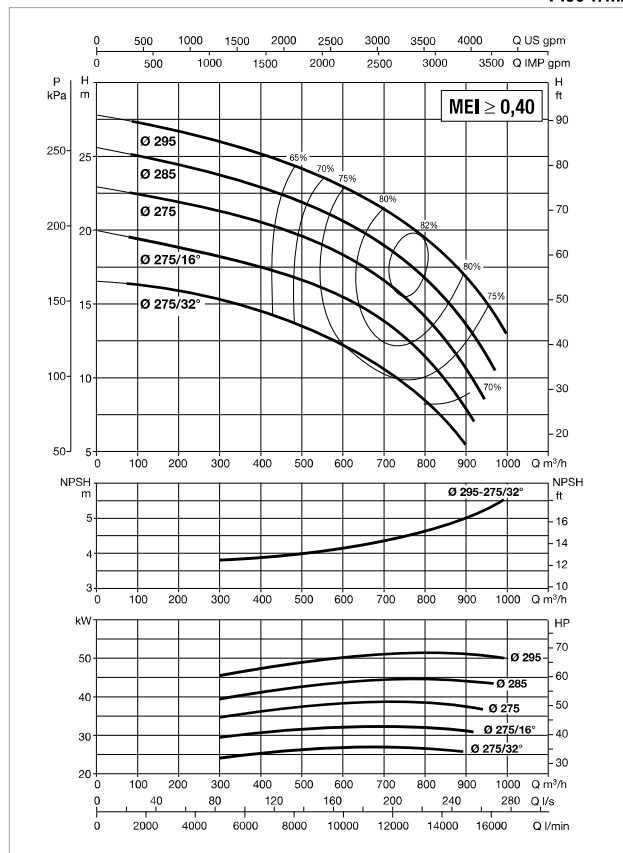
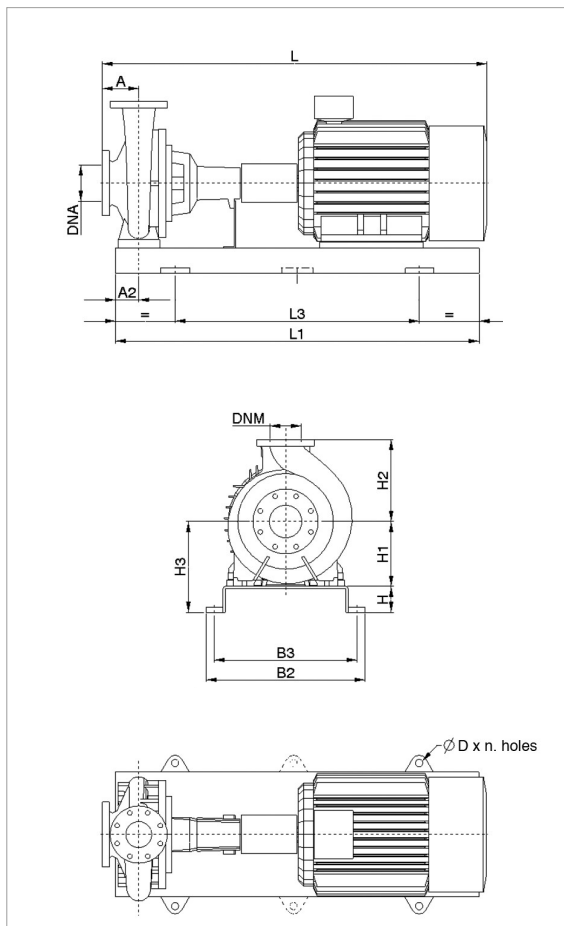
Dimension and electrical data based on sizing definition following the instructions on page 183.

(\*) Data on request.

## KDN 250-330A - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

**= 1450 1/min**



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 250-330A	30	200L	3 x 400 V ~ Δ	53,5	E3
	37	225S	3 x 400 V ~ Δ	65	E3
	45	225M	3 x 400 V ~ Δ	78,5	E3
	55	250M	3 x 400 V ~ Δ	96	E3
	75	280S	3 x 400 V ~ Δ	130	E3

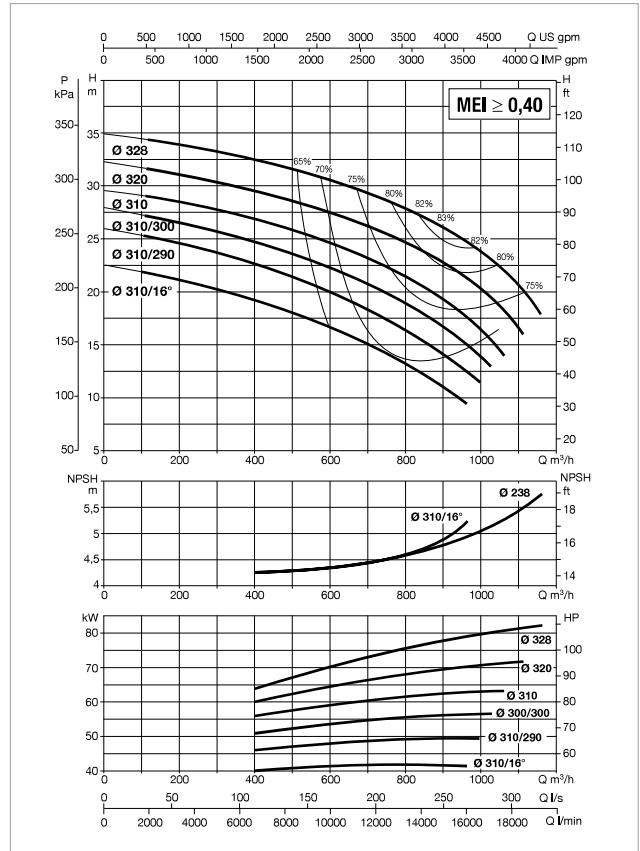
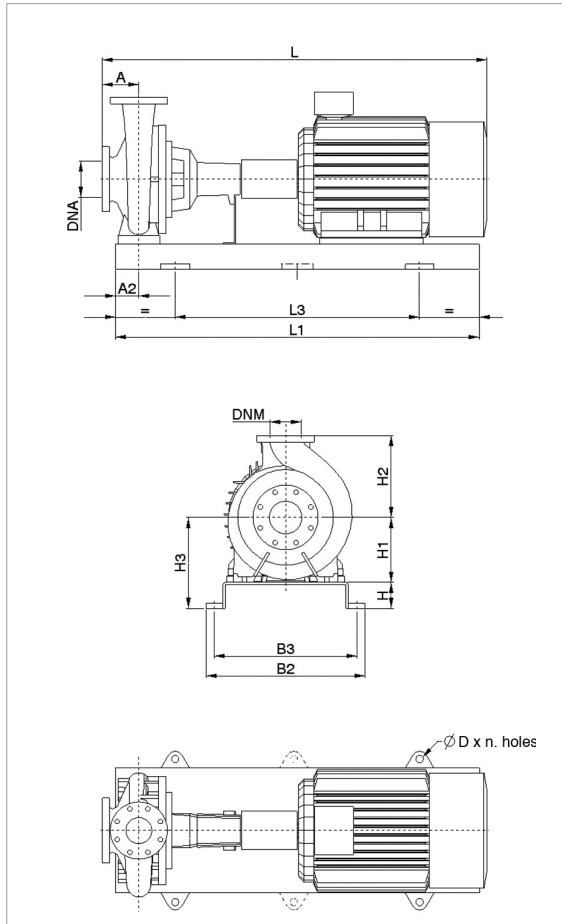
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)											FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 250-330A	30	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	1744	912	1985	927
	37	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	1810	918	2051	933
	45	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	1840	981	2081	996
	55	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	1910	992	2151	1007
	75	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	1965	1089	2206	1104

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 250-330 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 250-330	30	200L	3 x 400 V - Δ	53,5	E3
	37	225S	3 x 400 V - Δ	65	E3
	45	225M	3 x 400 V - Δ	78,5	E3
	55	250M	3 x 400 V - Δ	96	E3
	75	280S	3 x 400 V - Δ	130	E3
	90	280M	3 x 400 V - Δ	156	E3
	110	315S	3 x 400 V - Δ	190	E3

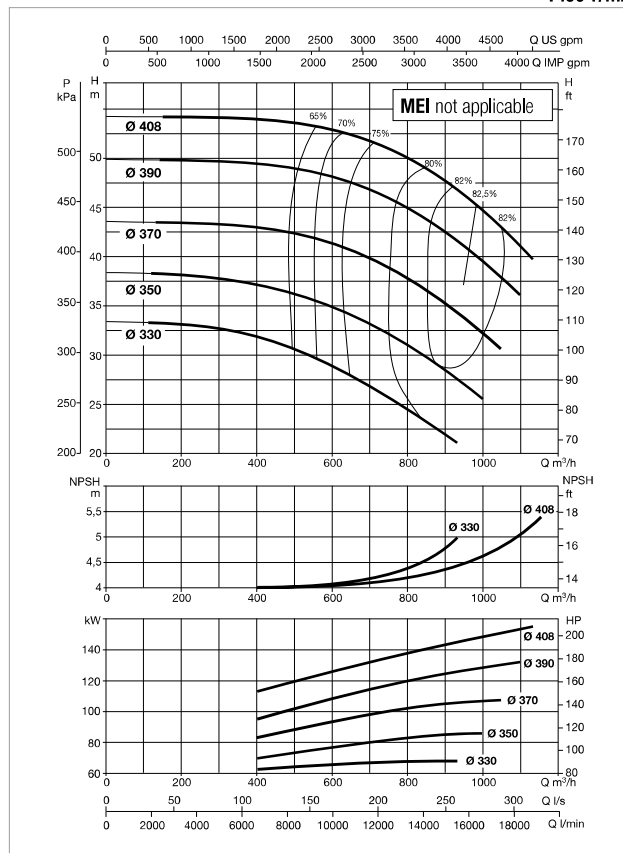
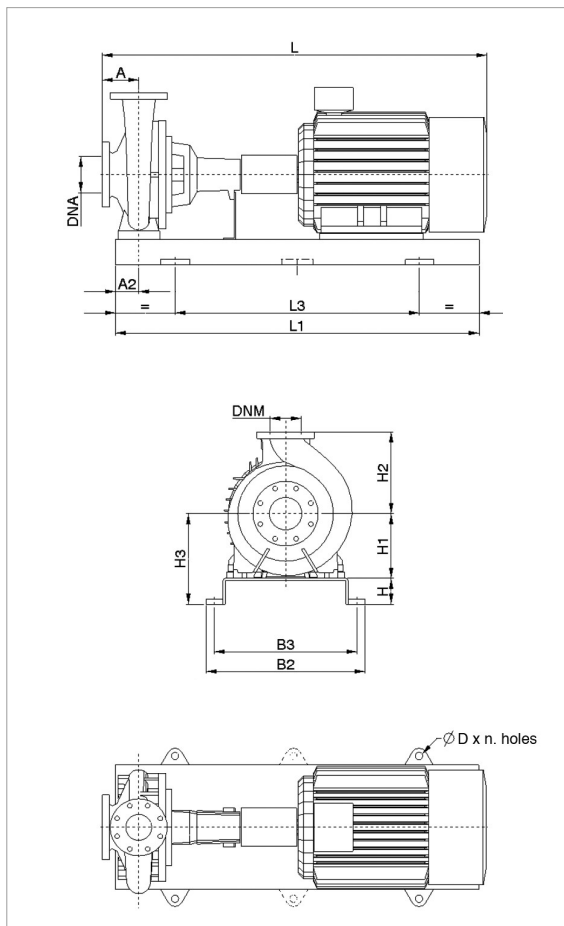
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 250-330	30	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	1744	912	1985	927
	37	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	1810	967	2051	982
	45	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	1840	997	2081	1012
	55	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	1910	1104	2151	1119
	75	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	1965	1206	2206	1221
	90	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	2015	1311	2256	1326
	110	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	2282	1707	2523	1722

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 250-400 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	I <sub>n</sub> A	
KDN 250-400	75	280S	3 x 400 V - Δ	130	E3
	90	280M	3 x 400 V - Δ	156	E3
	110	315S	3 x 400 V - Δ	190	E3
	132	315M	3 x 400 V - Δ	230	E3
	160	315L	3 x 400 V - Δ	275	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 250-400	75	225	135	120	400	600	520	2000	1340	910	830	28x4	300	250	2050	1446	2231	1461
	90	225	135	120	400	600	520	2000	1340	910	830	28x4	300	250	2100	1551	2281	1566
	110	225	135	120	400	600	520	2000	1340	910	830	28x4	300	250	2367	1947	2548	1962
	132	225	155	210	400	600	610	1880	1280	995	950	20x6	300	250	2477	1770	2658	1785
	160	225	155	210	400	600	610	1880	1280	995	950	20x6	300	250	2477	1850	2658	1865

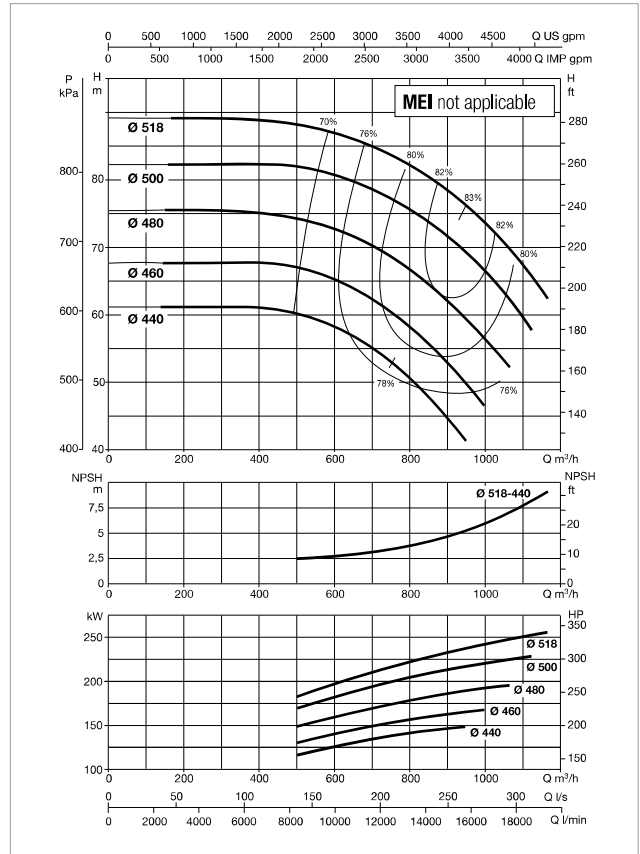
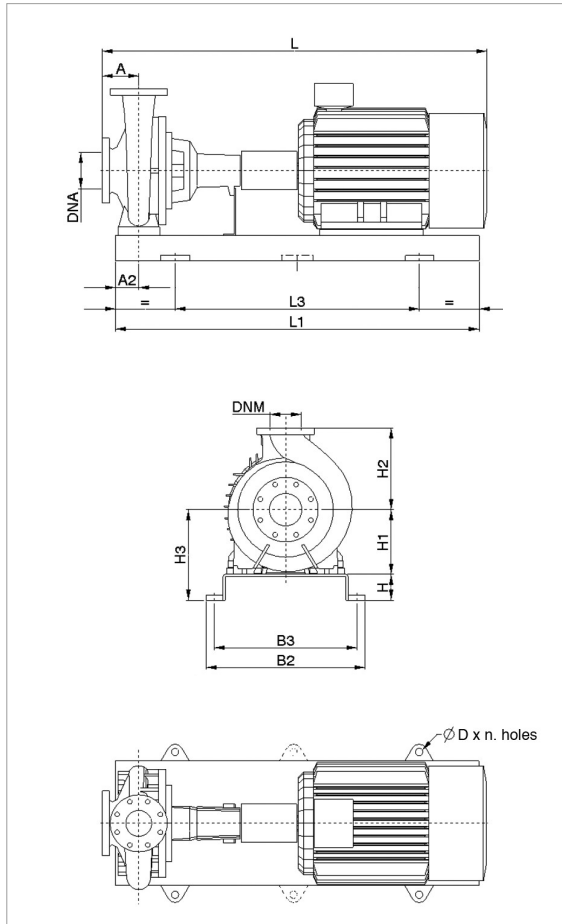
Dimension and electrical data based on sizing definition following the instructions on page 183.



# KDN 250-500A - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 250-500A	132	315M	3 x 400 V - Δ	230	E3
	160	315L	3 x 400 V - Δ	275	E3
	200	315L	3 x 400 V - Δ	340	E3
	250	355	3 x 400 V - Δ	420	E3
	315	355	3 x 400 V - Δ	530	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 250-500A	132	300	155	210	500	500	710	2250	1650	995	950	20x6	300	250	2572	1820	2823	1835
	160	300	155	210	500	500	710	2250	1650	995	950	20x6	300	250	2572	1900	2823	1915
	200	300	155	210	500	500	710	2250	1650	955	950	20x6	300	250	2572	1995	2823	2010
	250	300	155	210	500	500	(*)	(*)	(*)	(*)	(*)	(*)	300	250	(*)	(*)	(*)	(*)
	315	300	155	210	500	500	710	2500	1900	1095	1050	20x6	300	250	(*)	(*)	(*)	(*)

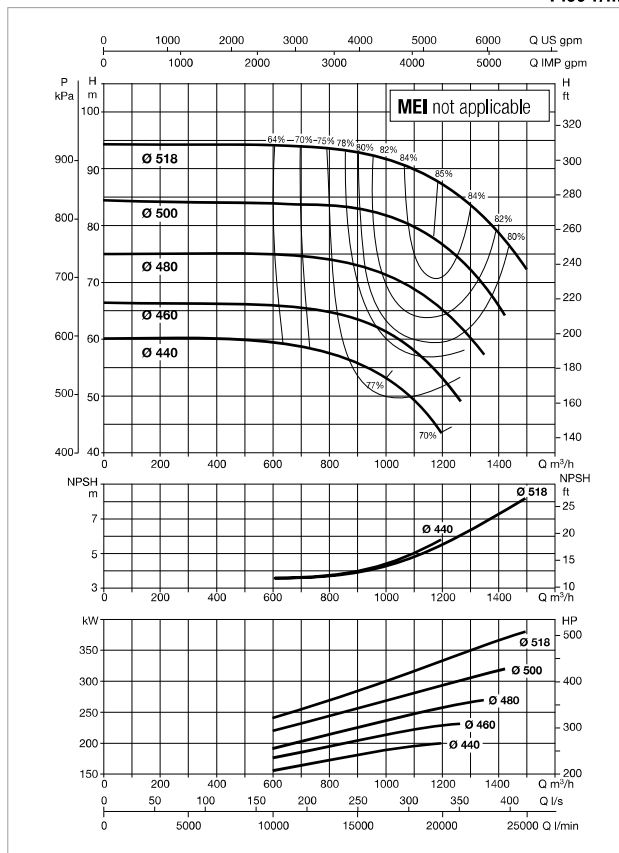
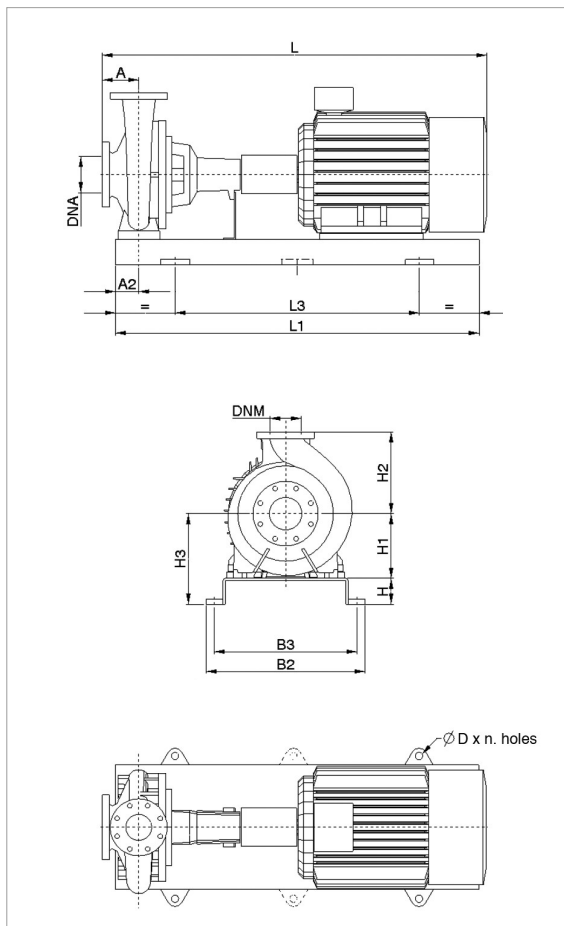
Dimension and electrical data based on sizing definition following the instructions on page 183.

(\*) Data on request.

## KDN 250-500 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 250-500	110	315S	3 x 400 V - Δ	190	E3
	132	315M	3 x 400 V - Δ	230	E3
	160	315L	3 x 400 V - Δ	275	E3
	200	315L	3 x 400 V - Δ	340	E3
	250	355	3 x 400 V - Δ	420	E3
	315	355	3 x 400 V - Δ	530	E3
	355	355	3 x 400 V - Δ	(*)	E3
	400	400	3 x 400 V - Δ	(*)	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 250-500	110	300	155	210	500	500	710	2250	1650	995	950	20x6	300	250	2462	1760	2713	1775
	132	300	155	210	500	500	710	2250	1650	995	950	20x6	300	250	2572	1820	2823	1835
	160	300	155	210	500	500	710	2250	1650	995	950	20x6	300	250	2572	1900	2823	1915
	200	300	155	210	500	500	710	2250	1650	995	950	20x6	300	250	(*)	1995	(*)	2010
	250	300	155	210	500	500	710	2500	1900	1095	1050	20x6	300	250	(*)	(*)	(*)	(*)
	315	300	155	210	500	500	710	2500	1900	1095	1050	20x6	300	250	(*)	(*)	(*)	(*)
	355	300	155	210	500	500	710	2500	1900	1095	1050	20x6	300	250	(*)	(*)	(*)	(*)
	400	300	155	210	500	500	710	2650	2050	1200	1155	20x6	300	250	(*)	(*)	(*)	(*)

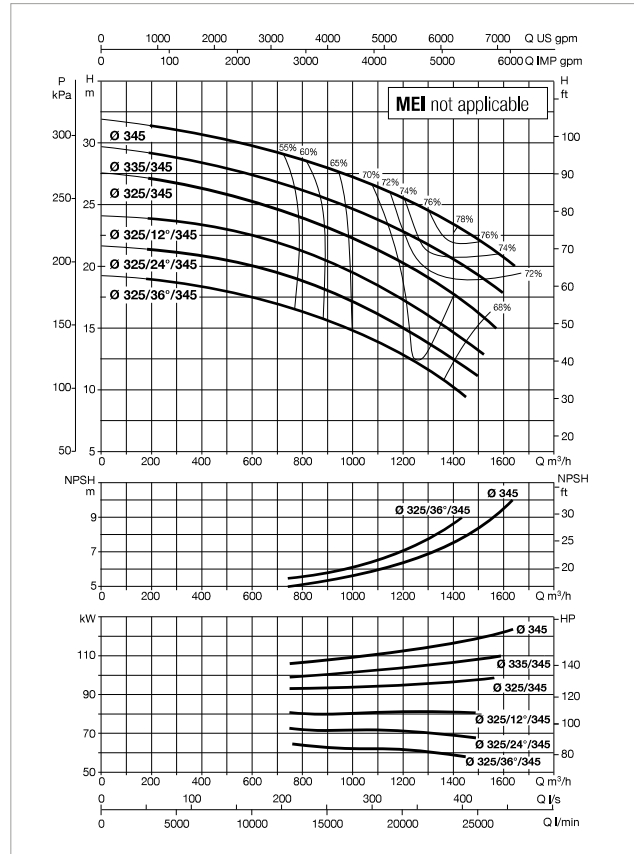
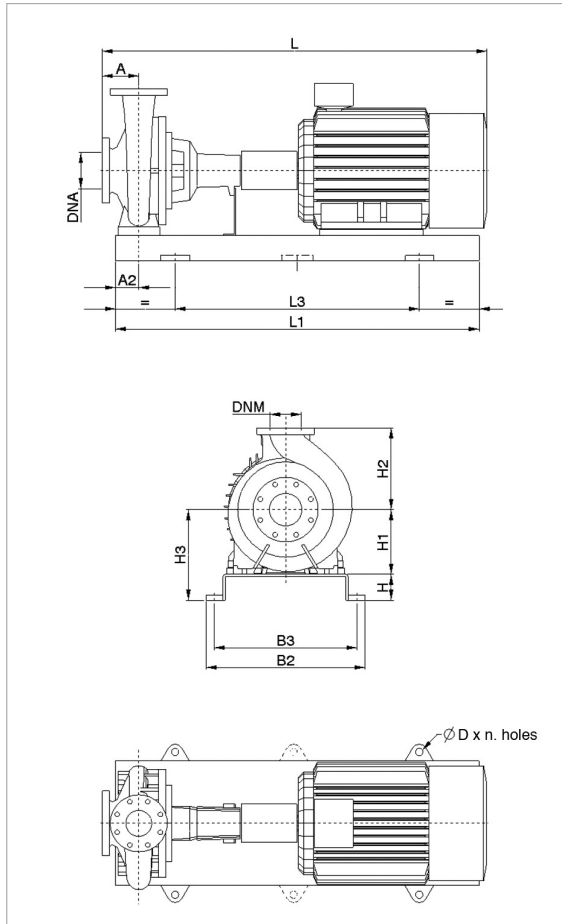
Dimension and electrical data based on sizing definition following the instructions on page 183.

(\*) Data on request.

# KDN 300-330 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 300-330	37	225S	3 x 400 V - Δ	65	E3
	45	225M	3 x 400 V - Δ	78,5	E3
	55	250M	3 x 400 V - Δ	96	E3
	75	280S	3 x 400 V - Δ	130	E3
	90	280M	3 x 400 V - Δ	156	E3
	110	315S	3 x 400 V - Δ	190	E3
	132	315M	3 x 400 V - Δ	230	E3

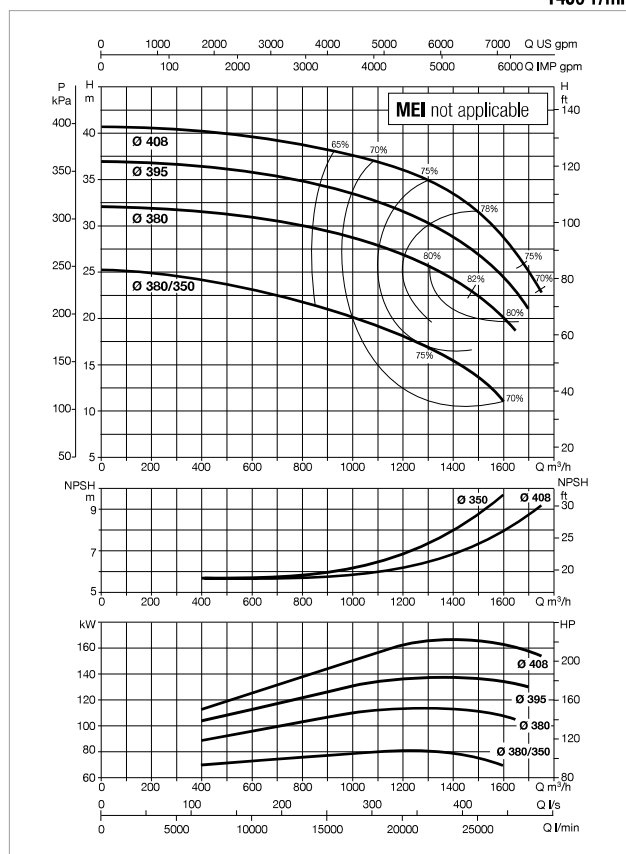
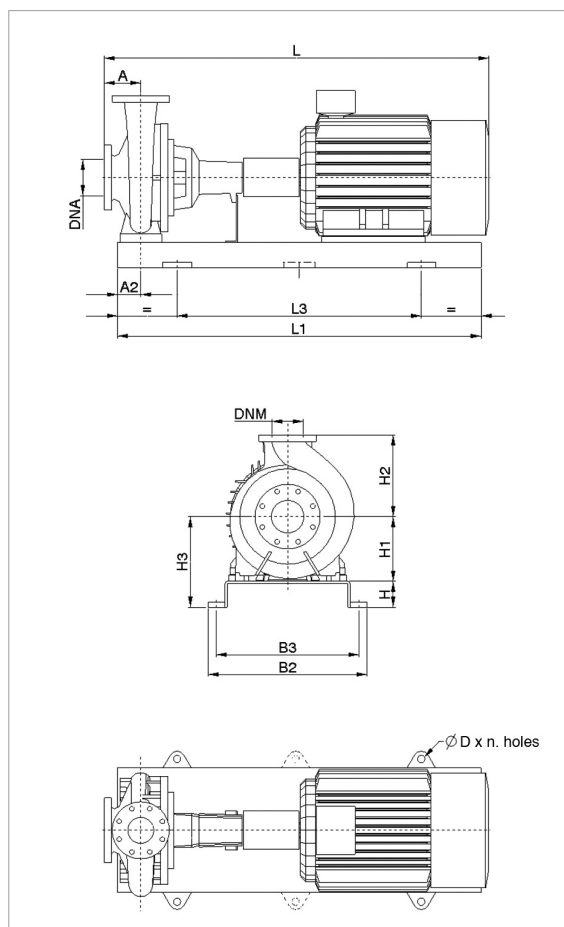
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 300-330	37	300	230	185	500	670	685	1650	1050	960	915	16x4	350	300	1910	1100	2151	1115
	45	300	230	185	500	670	685	1650	1050	960	915	16x4	350	300	1940	1130	2181	1145
	55	300	230	185	500	670	685	1700	1100	960	915	16x4	350	300	2010	1237	2251	1252
	75	300	230	185	500	670	685	1800	1200	960	915	20x4	350	300	2065	1339	2306	1354
	90	300	230	185	500	670	685	1800	1200	960	915	20x4	350	300	2115	1444	2356	1459
	110	300	230	205	500	670	705	1930	1330	960	915	20x4	350	300	2382	1840	2623	1855
	132	300	230	205	500	670	705	1930	1330	960	915	20x4	350	300	2492	1900	2733	1915

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 300-400M - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 300-400M	110	315S	3 x 400 V - Δ	190	IE3
	132	315M	3 x 400 V - Δ	230	IE3
	160	315L	3 x 400 V - Δ	275	IE3
	200	315L	3 x 400 V - Δ	340	IE3

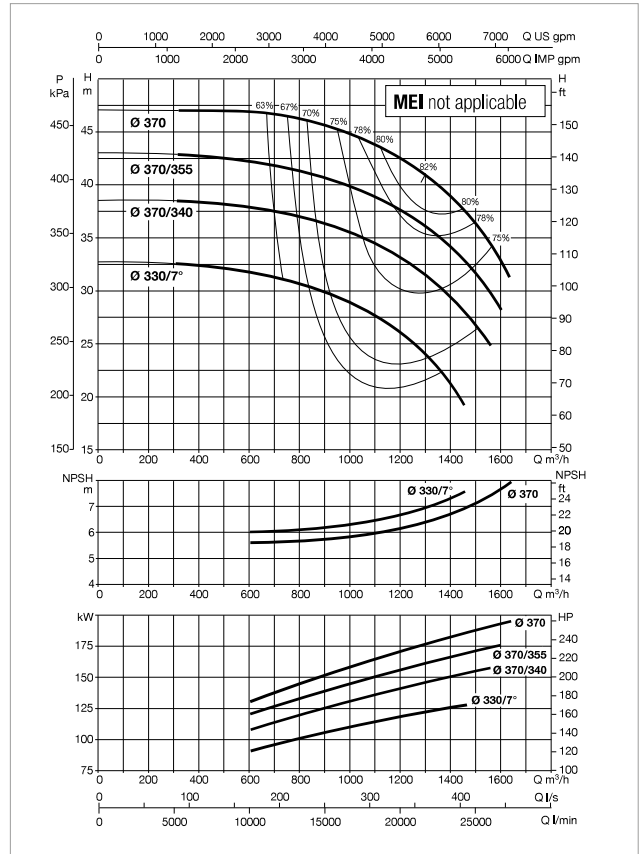
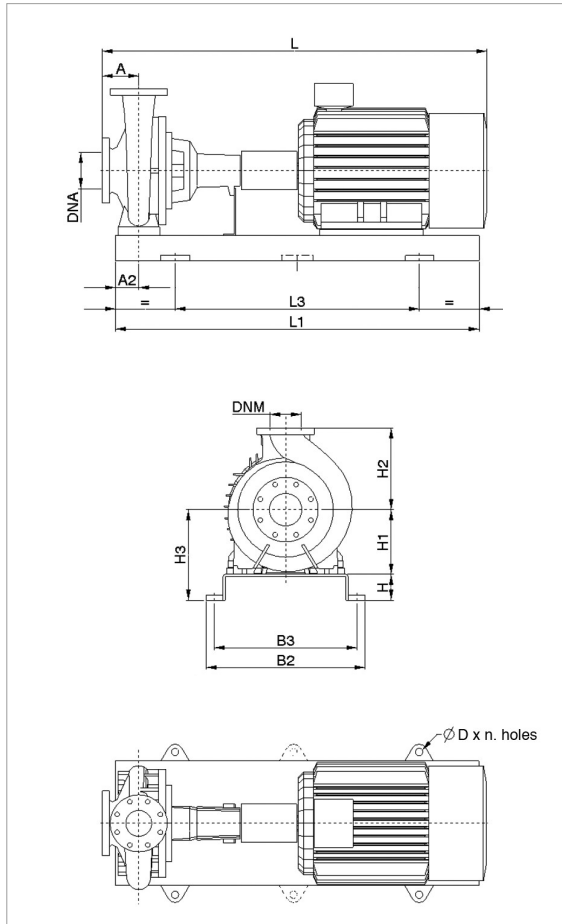
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)											FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 300-400M	110	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	2477	1860	2718	1875
	132	325	145	210	400	640	610	1880	1280	995	950	20x6	350	300	2587	1920	2828	1935
	160	325	145	210	400	640	610	1880	1280	995	950	20x6	350	300	2587	2000	2828	2015
	200	325	145	210	400	640	610	1880	1280	995	950	20x6	350	300	2587	2095	2828	2110

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 300-400A - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 300-400A	110	315S	3 x 400 V - Δ	190	E3
	132	315M	3 x 400 V - Δ	230	E3
	160	315L	3 x 400 V - Δ	275	E3
	200	315L	3 x 400 V - Δ	340	E3
	250	355	3 x 400 V - Δ	420	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 300-400A	110	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	2477	1860	2718	1875
	132	325	145	210	400	640	610	1880	1280	995	950	20x6	350	300	2587	1920	2828	1935
	160	325	145	210	400	640	610	1880	1280	995	950	20x6	350	300	2587	2000	2828	2015
	200	325	145	210	400	640	610	1880	1280	995	950	20x6	350	300	2587	2095	2828	2110
	250	325	145	210	400	640	610	2250	1650	1095	1050	20x6	350	300	(*)	(*)	(*)	(*)

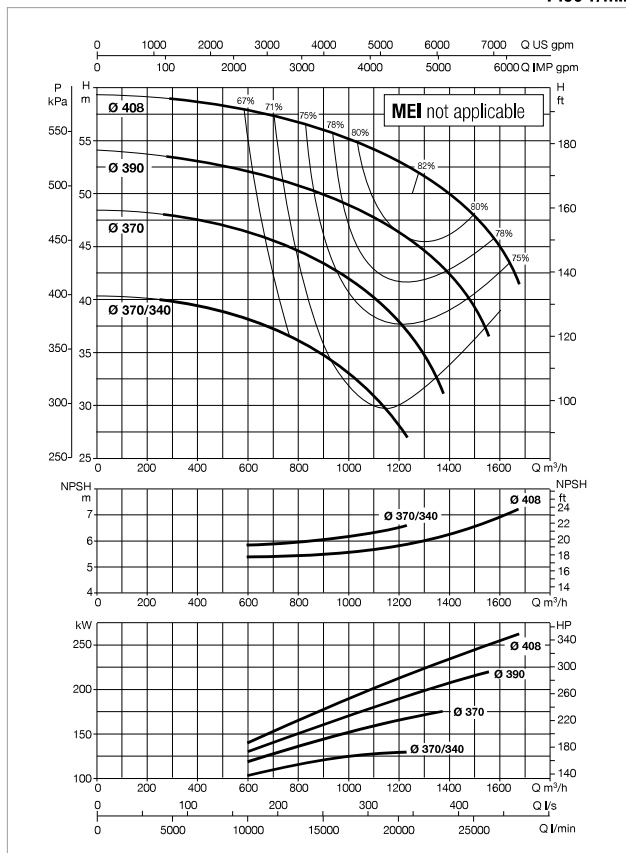
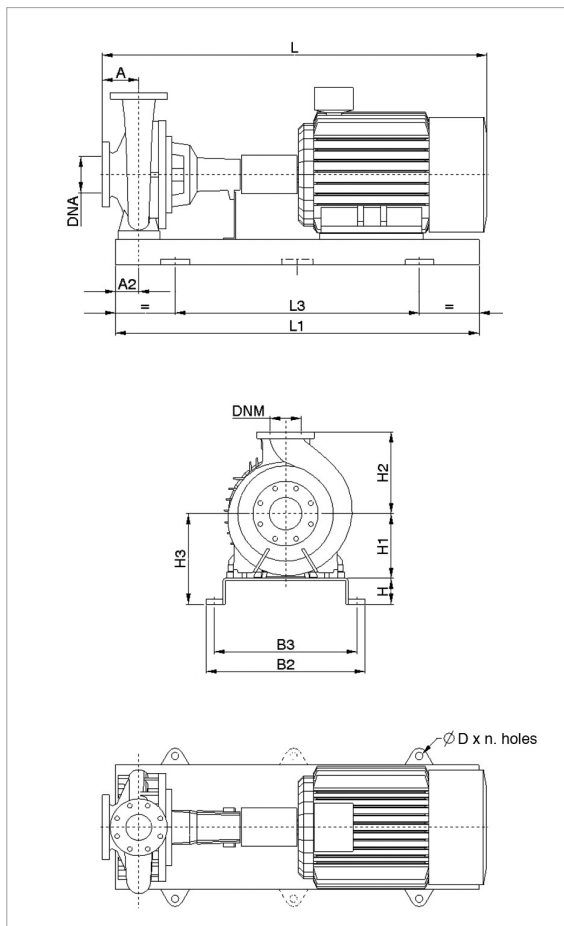
Dimension and electrical data based on sizing definition following the instructions on page 183.

(\*) Data on request.

## KDN 300-400 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	I <sub>n</sub> A	
KDN 300-400	110	315S	3 x 400 V - Δ	190	E3
	132	315M	3 x 400 V - Δ	230	E3
	160	315L	3 x 400 V - Δ	275	E3
	200	315L	3 x 400 V - Δ	340	E3
	250	355	3 x 400 V - Δ	420	E3
	315	355	3 x 400 V - Δ	530	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)											FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 300-400	110	325	135	120	400	640	520	2000	1340	910	830	28x6	350	300	2477	1860	2718	1875
	132	325	145	210	400	640	610	1880	1280	995	950	20x6	350	300	2587	1920	2828	1935
	160	325	145	210	400	640	610	1880	1280	995	950	20x6	350	300	2587	2000	2828	2015
	200	325	145	210	400	640	610	1880	1280	995	950	20x6	350	300	2587	2095	2828	2110
	250	325	145	210	400	640	610	2250	1660	1095	1060	20x6	350	300	(*)	(*)	(*)	(*)
	315	325	145	210	400	640	610	2250	1660	1095	1060	20x6	350	300	(*)	(*)	(*)	(*)

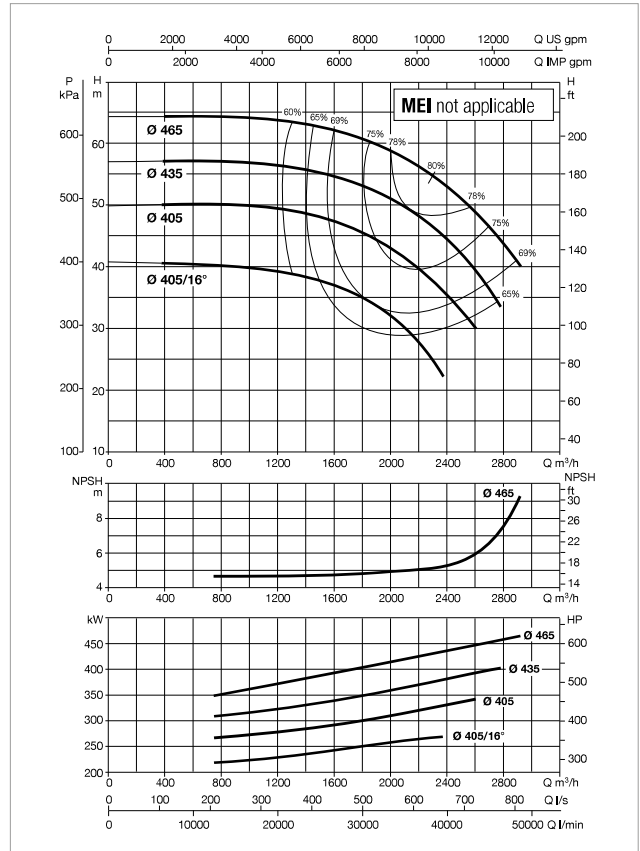
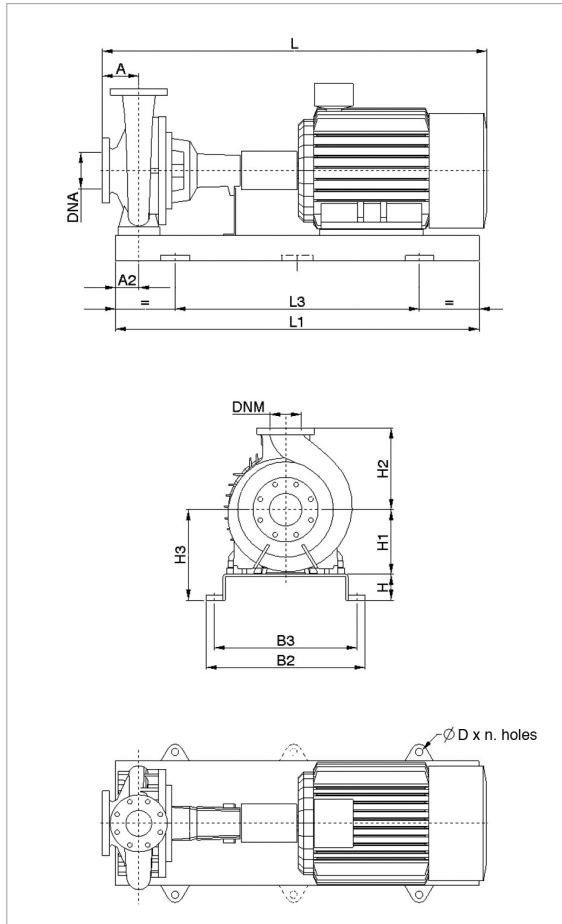
Dimension and electrical data based on sizing definition following the instructions on page 183.

(\*) Data on request.

# KDN 350-500A - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 1450 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 350-500A	315	355	3 x 400 V - Δ	530	IE3
	355	355	3 x 400 V - Δ	(*)	IE3
	400	355	3 x 400 V - Δ	(*)	IE3
	500	355	3 x 400 V - Δ	(*)	IE3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 350-500A	315	380	295	240	600	600	840	2700	2100	1305	1260	20x6	400	350	(*)	1080	(*)	1095
	355	385	300	240	600	615	840	3000	2100	1305	1260	(*)	400	350	(*)	4250	(*)	4250
	400	380	(*)	(*)	600	600	600	(*)	(*)	(*)	(*)	(*)	400	350	(*)	(*)	(*)	(*)
	500	380	(*)	(*)	600	600	600	(*)	(*)	(*)	(*)	(*)	400	350	(*)	(*)	(*)	(*)

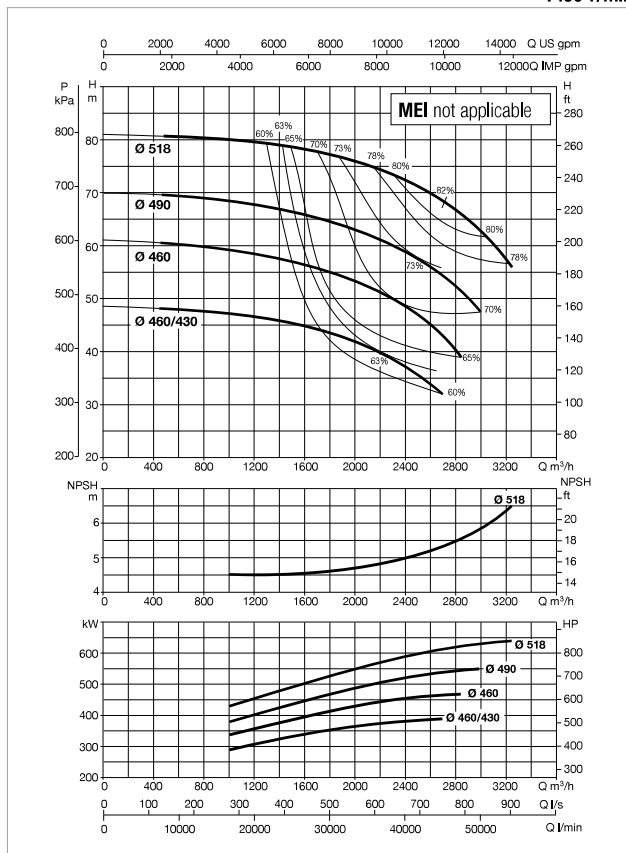
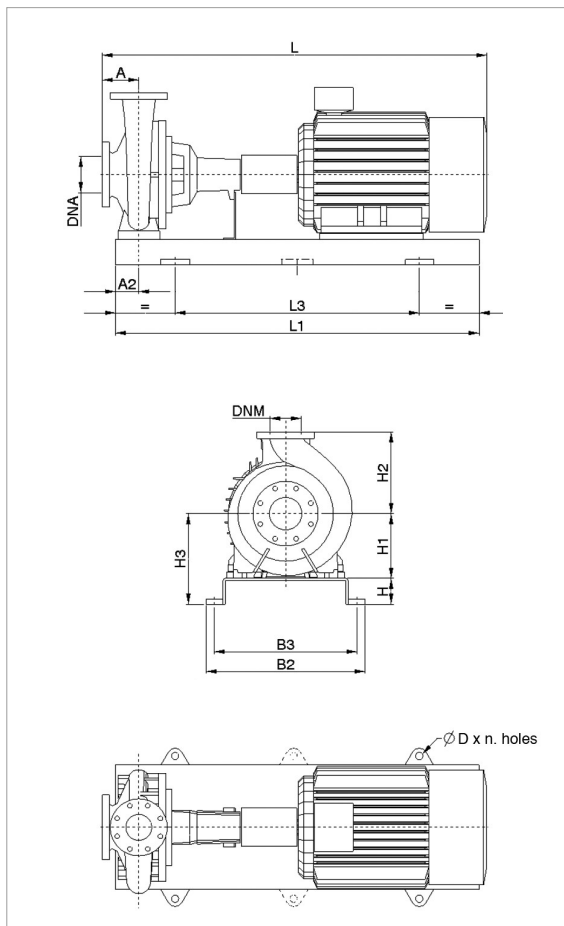
Dimension and electrical data based on sizing definition following the instructions on page 183.

(\* ) Data on request.

## KDN 350-500 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

**= 1450 1/min**



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 350-500	355	355	3 x 400 V - Δ	(*)	E3
	400	355	3 x 400 V - Δ	(*)	E3
	500	355	3 x 400 V - Δ	(*)	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)											FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 350-500	355	380	(*)	(*)	600	600	600	(*)	(*)	(*)	(*)	(*)	400	350	(*)	(*)	(*)	(*)
	400	380	(*)	(*)	600	600	600	(*)	(*)	(*)	(*)	(*)	400	350	(*)	(*)	(*)	(*)
	500	380	(*)	(*)	600	600	600	(*)	(*)	(*)	(*)	(*)	400	350	(*)	(*)	(*)	(*)

Dimension and electrical data based on sizing definition following the instructions on page 183.

(\*) Data on request.



# KDN OVERSIZE - 4 POLES

STANDARDISED PUMPS

## IE3 STANDARD MOTOR ELECTRIC DATA

=1450 1/min

MOTOR TYPE	P2 NOMINAL KW	SPEED rpm	YELD %	POWER FACTOR COS φ	POWER INPUT 50 Hz	In A			Start-up current Ia/In	Start-up torque Ma/Mn	Maximum torque M/k/Mn	POLES
						230V	400V	690V				
MEC 71	0,25	1400	60,00	0,710	3x230/400	1,56	0,90		2,88	2,15	2,26	4
MEC 71	0,37	1340	67,00	0,780	3x230/400	1,70	0,98		4,75	2,84	2,64	4
MEC 80	0,55	1410	71,00	0,720	3x230/400	2,60	1,50		5,33	2,78	2,89	4
MEC 80	0,75	1435	82,50	0,740	3x230/400	3,12	1,80		5,50	2,70	2,80	4
MEC 90S	1,1	1440	84,10	0,750	3x230/400	4,33	2,50		7,10	4,30	4,30	4
MEC 90L	1,5	1430	85,30	0,720	3x230/400	6,24	3,60		6,60	4,30	4,40	4
MEC 100L	2,2	1455	86,70	0,630	3x230/400	24,94	14,40		5,90	3,70	3,90	4
MEC 100L	3	1440	87,70	0,730	3x400 Δ		6,80	3,93	8,10	4,10	4,10	4
MEC 112M	4	1450	88,60	0,800	3x400 Δ		8,20	4,73	8,50	2,70	3,50	4
MEC 132S	5,5	1450	89,60	0,840	3x400 Δ		10,60	6,12	8,70	3,70	4,30	4
MEC 132M	7,5	1465	90,40	0,780	3x400 Δ		15,30	8,83	8,20	4,40	5,10	4
MEC 160M	11	1465	91,40	0,770	3x400 Δ		22,40	12,93	10,10	2,50	3,10	4
MEC 160L	15	1465	92,10	0,780	3x400 Δ		30,50	17,61	8,90	3,20	2,80	4
MEC 180M	18,5	1470	92,60	0,840	3x400 Δ		34,30	19,80	7,50	2,20	2,30	4
MEC 180L	22	1470	93,00	0,850	3x400 Δ		40,20	23,21	7,70	2,20	2,30	4
MEC 200L	30	1475	93,60	0,860	3x400 Δ		53,70	31,00	7,80	2,20	2,30	4
MEC 225S	37	1485	93,90	0,860	3x400 Δ		66,10	38,16	7,20	2,20	2,30	4
MEC 225M	45	1485	94,20	0,870	3x400 Δ		79,10	45,67	7,30	2,20	2,30	4
MEC 250M	55	1485	94,60	0,870	3x400 Δ		96,20	55,54	7,40	2,20	2,30	4
MEC 280S	75	1486	95,00	0,870	3x400 Δ		131,00	75,63	7,40	2,00	2,30	4
MEC 280M	90	1486	95,20	0,870	3x400 Δ		157,00	90,64	6,70	2,00	2,30	4
MEC 315S	110	1488	95,40	0,880	3x400 Δ		189,00	109,12	6,90	2,20	2,20	4
MEC 315M	132	1488	95,60	0,880	3x400 Δ		226,00	130,48	6,90	2,20	2,20	4
MEC 315L	160	1488	95,80	0,880	3x400 Δ		274,00	158,19	6,90	2,20	2,20	4
MEC 315L	200	1490	96,00	0,880	3x400 Δ		342,00	197,45	6,90	2,20	2,20	4
MEC 355M	250	1490	96,00	0,890	3x400 Δ		420,00	242,77	7,70	2,60	2,70	4
MEC 355L	315	1490	96,00	0,890	3x400 Δ		530,00	306,36	7,80	2,80	2,70	4

# KDN OVERSIZE - 6 POLES RANGE

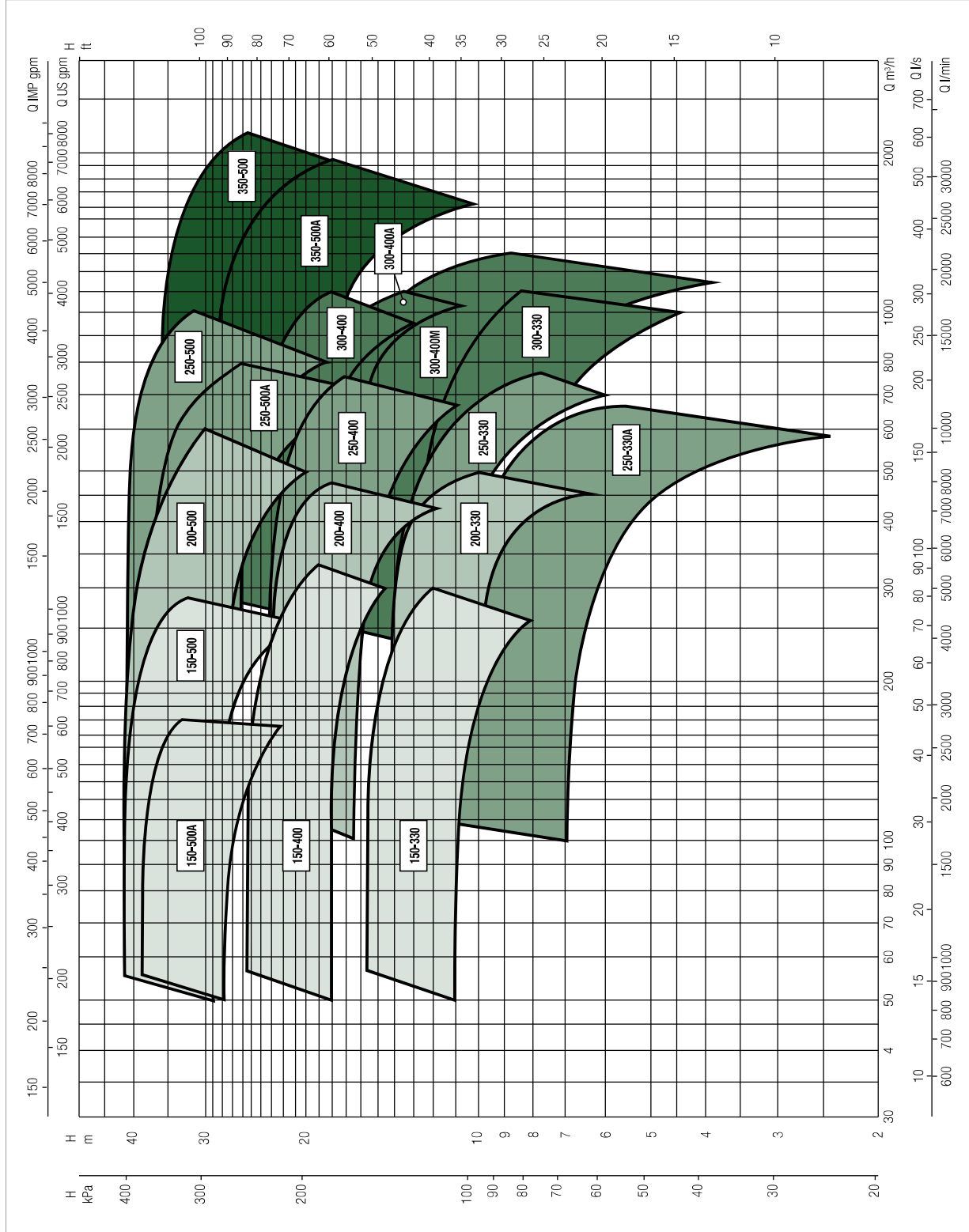
STANDARDISED PUMPS

## PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

### GRAPHIC SELECTION TABLE

= 970 1/min



# KDN OVERSIZE - 6 POLES

STANDARDISED PUMPS

## SELECTION TABLE - KDN 150

MODEL	Q=m³/h	0	50	100	150	200	250	300
	Q=l/min	0	833	1667	2500	3333	4167	5000
KDN 150-330 / 280	H (m)	11	11	11	11	10	8	
KDN 150-330 / 300		13	13	13	12	12	10	
KDN 150-330 / 315		14	14	14	14	13	12	
KDN 150-330 / 328		16	16	16	15	15	14	12
KDN 150-400 / 350		18	18	18	18	17	16	14
KDN 150-400 / 370		20	20	20	20	19	18	16
KDN 150-400 / 390		23	23	23	23	22	21	18
KDN 150-400 / 408		25	25	25	25	25	23	21
KDN 150-500 / 440		29	29	29	28	24		
KDN 150-500 / 480		35	35	35	33	31	27	
KDN 150-500 / 518		41	41	41	40	39	35	
KDN 150-500A / 440		28	28	27	24			
KDN 150-500A / 480		33	33	32	29			
KDN 150-500A / 518		39	39	39	36			

## SELECTION TABLE - KDN 200

MODEL	Q=m³/h	0	50	100	150	200	250	300	400	450	500	600
	Q=l/min	0	833	1667	2500	3333	4167	5000	6667	7500	8334	10000
KDN 200-330 / 290	H (m)	10		10	10	10	10	10	8	6		
KDN 200-330 / 310		12		12	12	12	12	12	11	8		
KDN 200-330 / 328		14		14	14	14	14	14	13	12	10	
KDN 200-400 / 350		16		16	16	16	16	16	13			
KDN 200-400 / 370		18		18	18	18	18	18	16			
KDN 200-400 / 390		21		21	21	21	20	20	19	17		
KDN 200-400 / 408		23		23	23	23	23	23	22	20		
KDN 200-500 / 430		28		28	28	28	27	27	24	22	20	
KDN 200-500 / 470		34		34	34	34	33	33	30	28	26	
KDN 200-500 / 508		41		41	41	41	40	40	37	36	34	30

## SELECTION TABLE - KDN 250

MODEL	Q=m³/h	0	50	100	150	200	250	300	400	450	500	600	700	800	1000
	Q=l/min	0	833	1667	2500	3333	4167	5000	6667	7500	8334	10000	11667	13334	16667
KDN 250-330 / 310	H (m)	13		12	12	12	12	11	11	10	10	8	6		
KDN 250-330 / 320		14		13	13	13	13	13	12	12	11	10	8		
KDN 250-330 / 328		15		15	15	14	14	14	13	13	13	11	10		
KDN 250-330 / 275/32°		7		7	7	7	6	6	5	5	4	2			
KDN 250-330 / 275		10		10	9	9	9	9	8	7	7				
KDN 250-330 / 295		12		12	12	11	11	11	10	9	9	7			
KDN 250-400 / 350		16		16	16	16	16	16	15	15	14	12			
KDN 250-400 / 370		19		19	19	19	18	18	18	18	17	15	13		
KDN 250-400 / 390		22		22	22	21	21	21	21	21	20	18			
KDN 250-400 / 408		23		23	23	23	23	23	23	23	22	21	18		
KDN 250-500 / 440		26				26	26	26	25	25	25	24	22	19	
KDN 250-500 / 480		32				32	32	32	32	32	32	31	30	28	
KDN 250-500 / 518		40				40	40	40	40	40	40	40	39	38	31
KDN 250-500A / 440		27				27	27	26	25	24	23	20			
KDN 250-500A / 480		33				33	33	33	32	31	30	27	23		
KDN 250-500A / 518		39				39	39	38	38	37	36	34	31	26	

# KDN OVERSIZE - 6 POLES

## STANDARDISED PUMPS

### SELECTION TABLE - KDN 300

MODEL	Q=m <sup>3</sup> /h	0	50	100	150	200	250	300	400	450	500	600	700	800	1000	1200	
	Q=l/min	0	833	1667	2500	3333	4167	5000	6667	7500	8334	10000	11667	13334	16667	20000	
KDN 300-330 / 325/24°	H (m)	9				9	9	9	9	9	8	8	7	6	5		
KDN 300-330 / 325		12					11	11	11	11	11	10	10	9	9	7	
KDN 300-330 / 345		14					13	13	13	13	13	12	12	12	11	9	
KDN 300-400 / 370		20					20	20	20	20	20	20	19	18	16		
KDN 300-400 / 390		23					23	23	23	22	22	22	21	21	20	17	
KDN 300-400 / 408		26					25	25	25	25	25	25	24	24	23	20	
KDN 300-400A / 340		17						17	16	16	16	16	16	15	14	11	
KDN 300-400A / 355		18					x	18	18	18	18	18	18	17	16	13	
KDN 300-400A / 370		20					x	20	20	20	20	20	20	19	18	16	
KDN 300-400M / 380/350		10					x	10	10	10	10	10	9	9	8	6	
KDN 300-400M / 380		14					x	14	14	14	14	14	13	13	12	10	6
KDN 300-400M / 395		16					x	16	16	16	16	16	15	15	14	12	9
KDN 300-400M / 408		18					x	18	18	18	18	18	17	17	16	15	11

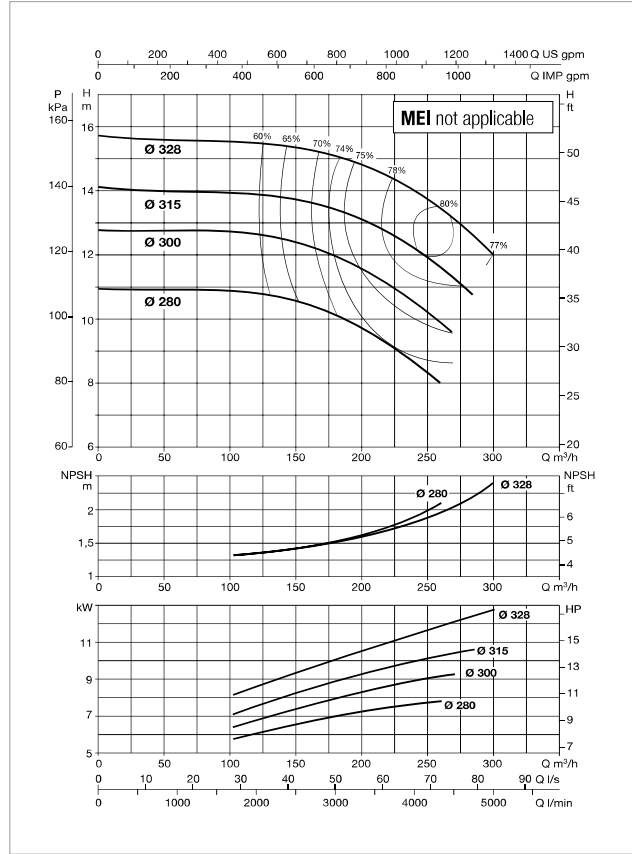
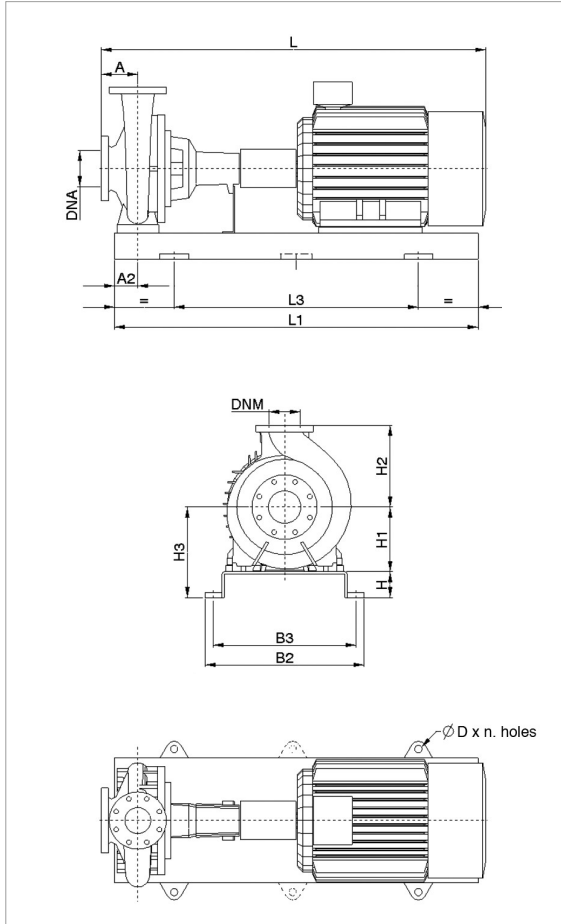
### SELECTION TABLE - KDN 350

MODEL	Q=m <sup>3</sup> /h	0	50	100	150	200	250	300	400	450	500	600	700	800	1000	1200	1600	1700	1800	1900	2000	
	Q=l/min	0	833	1667	2500	3333	4167	5000	6667	7500	8334	10000	11667	13334	16667	20000	26667	28334	30001	31667	33334	
KDN 350-500 / 460/430	H (m)	22							22	22	21	21	21	21	20	20	17	16	14			
KDN 350-500 / 460		27								27	27	27	27	26	26	26	25	22	21	19		
KDN 350-500 / 490		31								31	31	31	31	31	30	30	29	26	26	24	23	21
KDN 350-500 / 518		36								36	36	36	36	36	36	35	35	33	32	31	30	28
KDN 350-500A / 405/16°		18								18	18	18	18	18	18	17	16	9				
KDN 350-500A / 405/435		22								22	22	22	22	22	22	22	20	16	14			
KDN 350-500A / 435		26								26	26	26	26	25	25	25	24	20	18	16		
KDN 350-500A / 465		29								29	29	29	29	29	29	29	28	27	24	23	21	19

# KDN 150-330 - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 150-330	7,5	160M	3 x 400 V - Δ	15,8	IE3
	11	160L	3 x 400 V - Δ	23,1	IE3
	15	180M	3 x 400 V - Δ	29,7	IE3

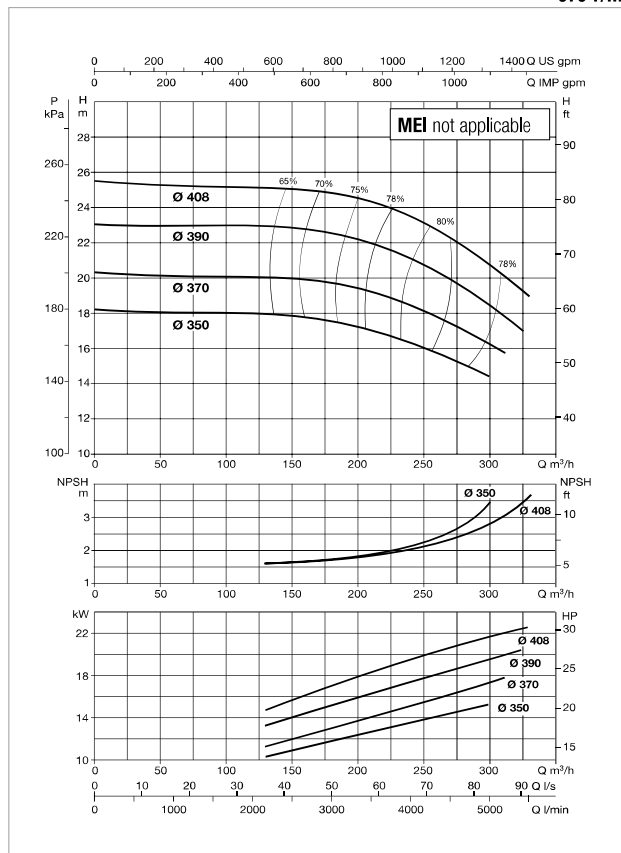
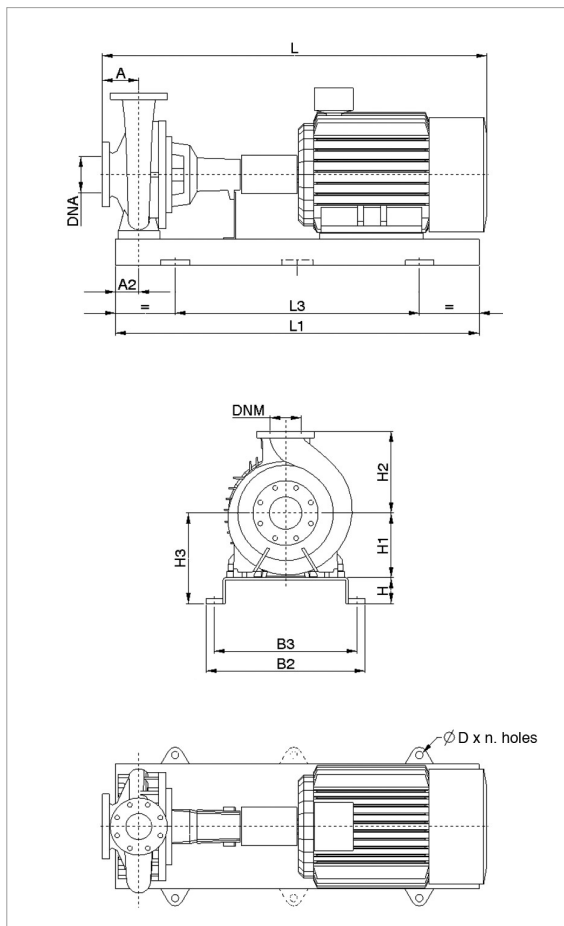
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 150-330	7,5	160	110	100	315	400	415	1800	1200	730	670	28x4	200	150	1554	438	1735	453
	11	160	110	100	315	400	415	1800	1200	730	670	28x4	200	150	1554	438	1735	453
	15	160	110	100	315	400	415	1800	1200	730	670	28x4	200	150	1612	438	1793	453

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 150-400 - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 150-400	18,5	200L	3 x 400 V - Δ	36	IE3
	22	200L	3 x 400 V - Δ	42,5	IE3
	30	225M	3 x 400 V - Δ	54,8	IE3

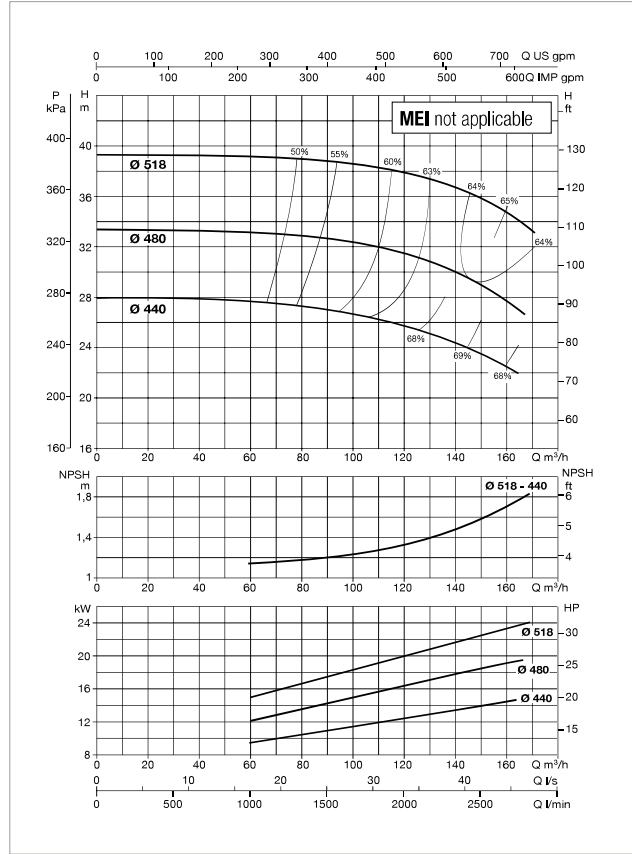
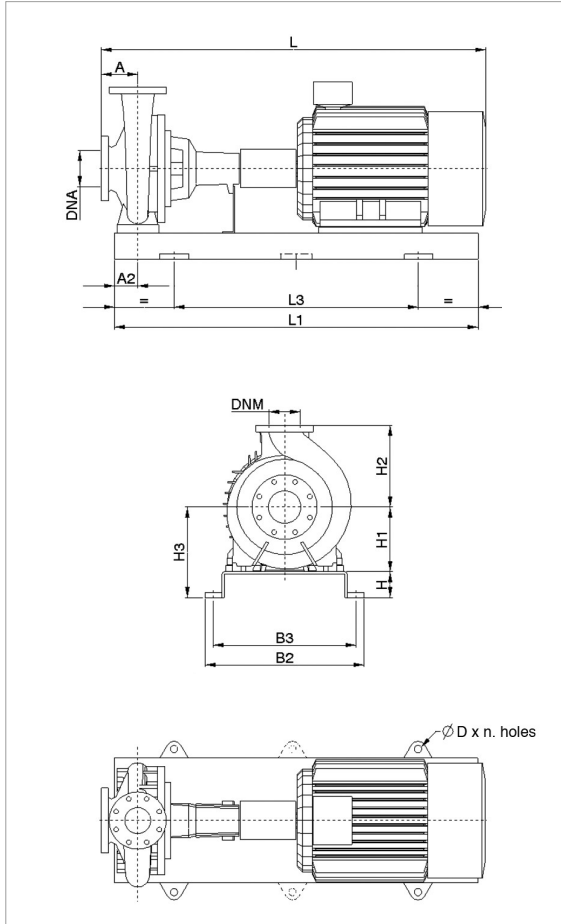
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 150-400	18,5	160	110	100	315	450	415	1800	1200	730	670	28x4	200	150	1654	481	1835	496
	22	160	110	100	315	450	415	1800	1200	730	670	28x4	200	150	1654	481	1835	496
	30	160	110	100	315	450	415	1800	1200	730	670	28x4	200	150	1729	481	1910	496

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 150-500A - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 150-500A	11	160L	3 x 400 V - Δ	23,1	E3
	15	180L	3 x 400 V - Δ	29,7	E3
	18,5	200L	3 x 400 V - Δ	36	E3
	22	200L	3 x 400 V - Δ	42,5	E3
	30	225M	3 x 400 V - Δ	54,8	E3

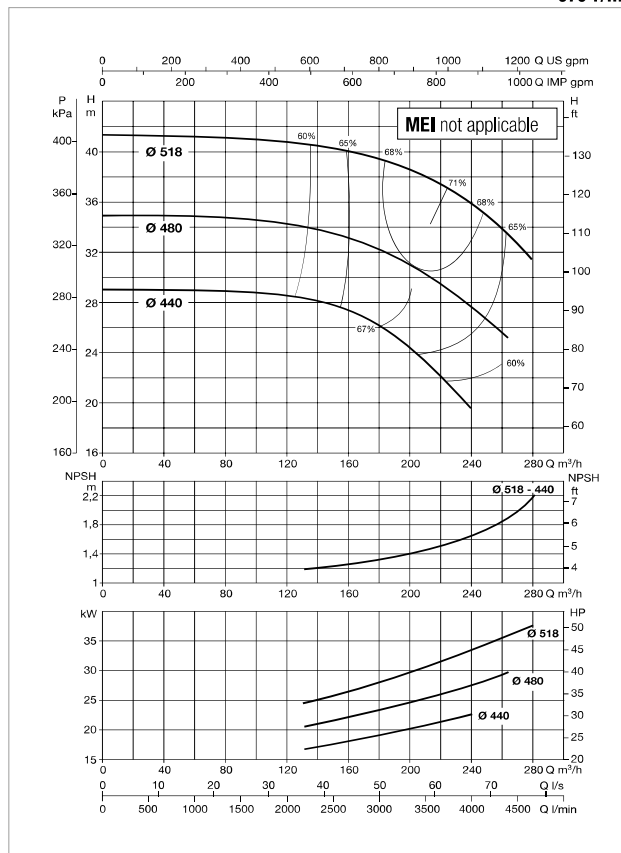
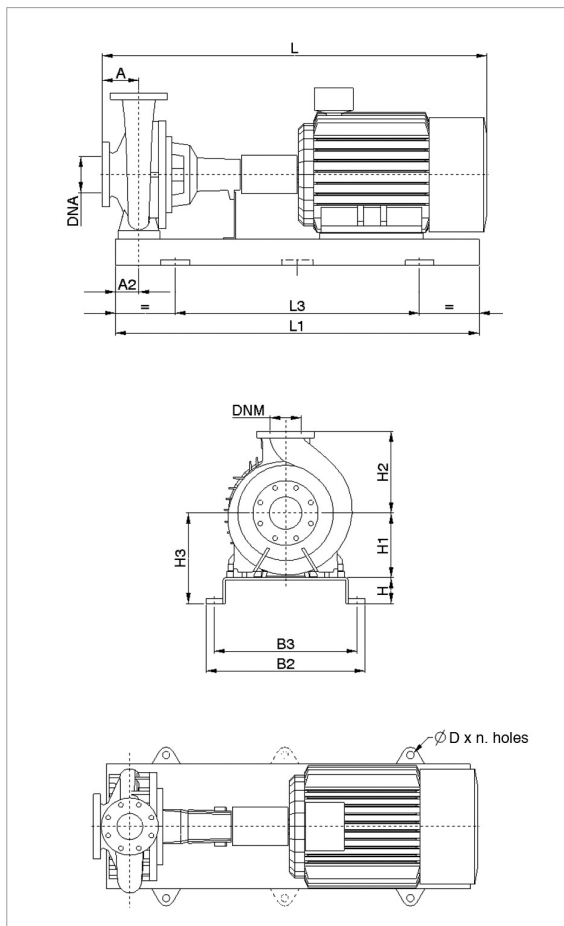
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 150-500A	11	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1574	593	1755	608
	15	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1632	593	1813	608
	18,5	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1674	593	1855	608
	22	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1674	593	1855	608
	30	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1749	593	1930	608

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 150-500 - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	I <sub>n</sub> A	
KDN 150-500	22	200L	3 x 400 V - Δ	42,5	E3
	30	225M	3 x 400 V - Δ	54,8	E3
	37	250M	3 x 400 V - Δ	66,6	E3
	45	280S	3 x 400 V - Δ	80,6	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 150-500	22	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1674	593	1855	608
	30	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1749	593	1930	608
	37	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1840	593	2021	608
	45	180	110	100	355	500	455	1800	1200	730	670	28x4	200	150	1895	593	2076	608

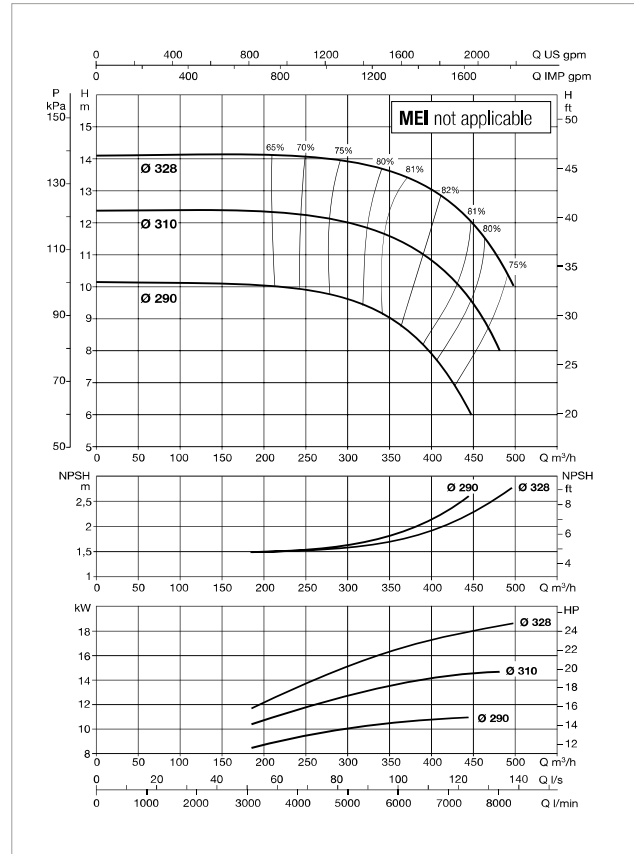
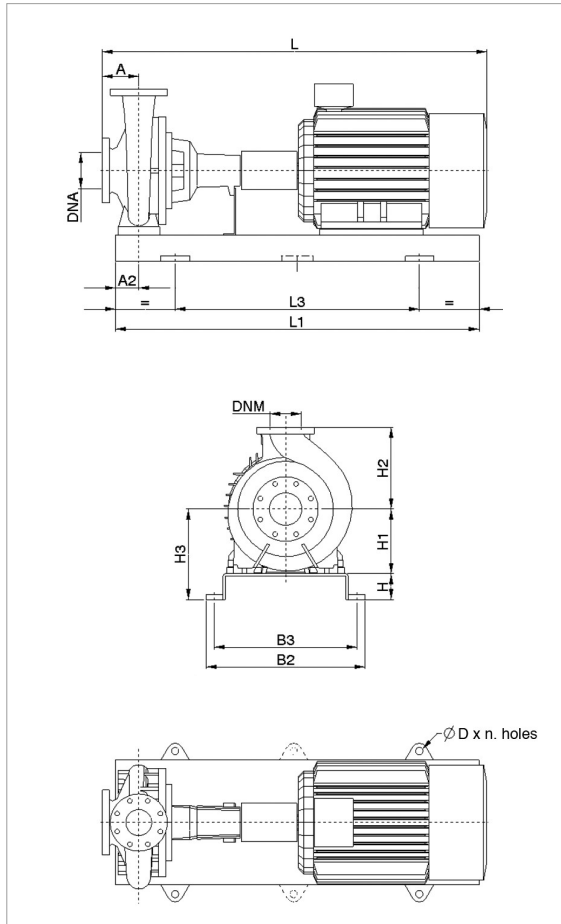
Dimension and electrical data based on sizing definition following the instructions on page 183.



# KDN 200-330 - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 200-330	11	160L	3 x 400 V - Δ	23,1	E3
	15	180L	3 x 400 V - Δ	29,7	E3
	18,5	200L	3 x 400 V - Δ	36	E3
	22	200L	3 x 400 V - Δ	42,5	E3
	30	225M	3 x 400 V - Δ	54,8	E3

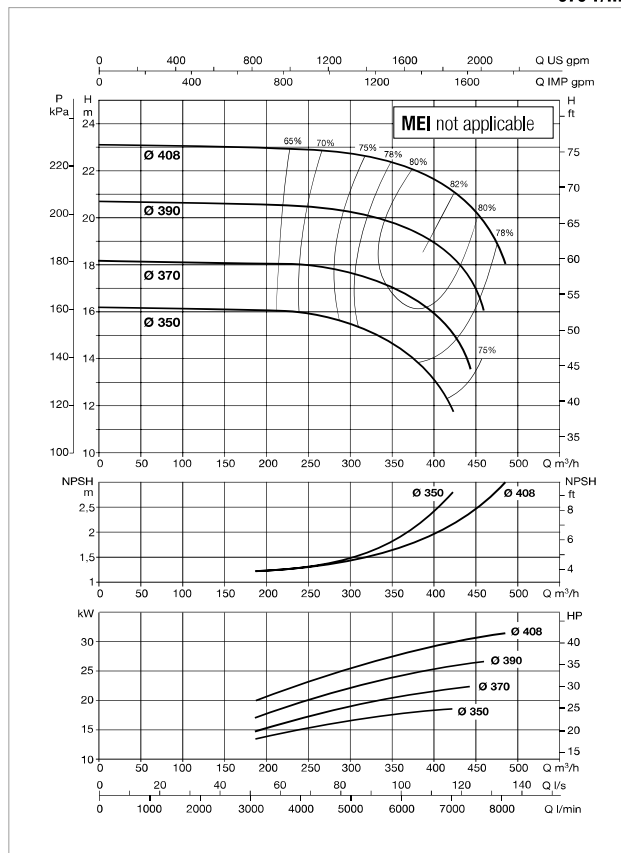
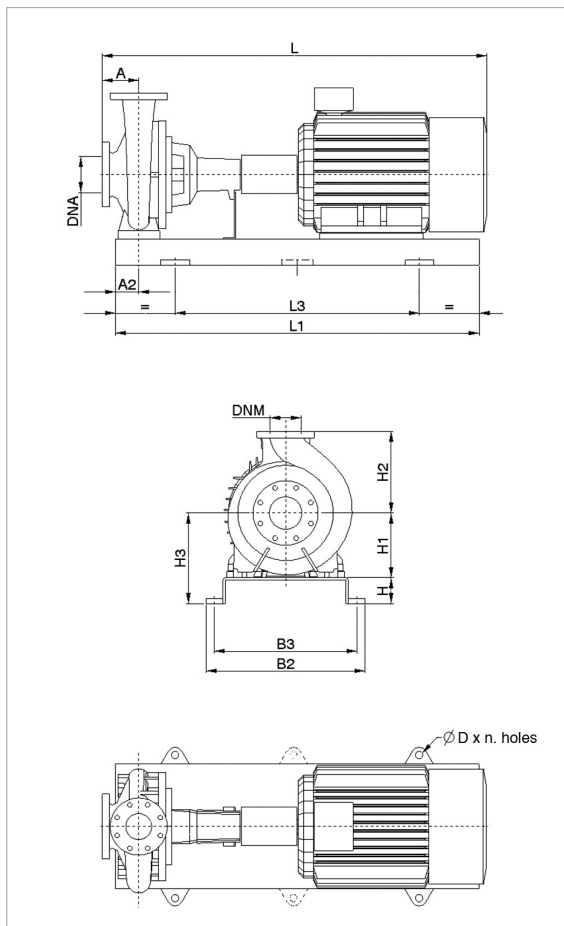
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 200-330	11	200	110	100	355	450	455	1800	1200	730	670	28x4	250	200	1594	543	1775	558
	15	200	110	100	355	450	455	1800	1200	730	670	28x4	250	200	1652	543	1833	558
	18,5	200	110	100	355	450	455	1800	1200	730	670	28x4	250	200	1694	543	1875	558
	22	200	110	100	355	450	455	1800	1200	730	670	28x4	250	200	1694	543	1875	558
	30	200	110	100	355	450	455	1800	1200	730	670	28x4	250	200	1769	543	1950	558

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 200-400 - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 200-400	15	180L	3 x 400 V - Δ	29,7	E3
	18,5	200L	3 x 400 V - Δ	36	E3
	22	200L	3 x 400 V - Δ	42,5	E3
	30	225M	3 x 400 V - Δ	54,8	E3
	37	250M	3 x 400 V - Δ	66,6	E3

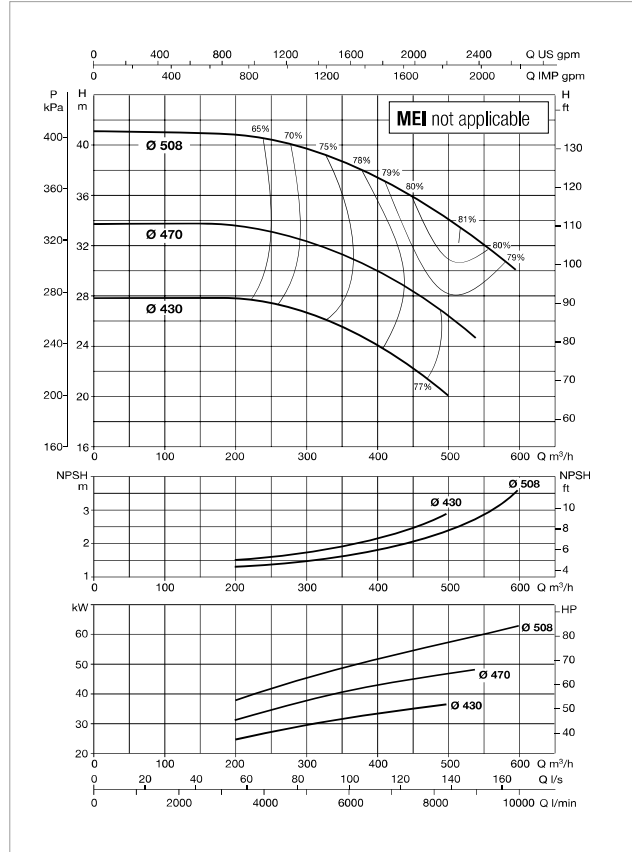
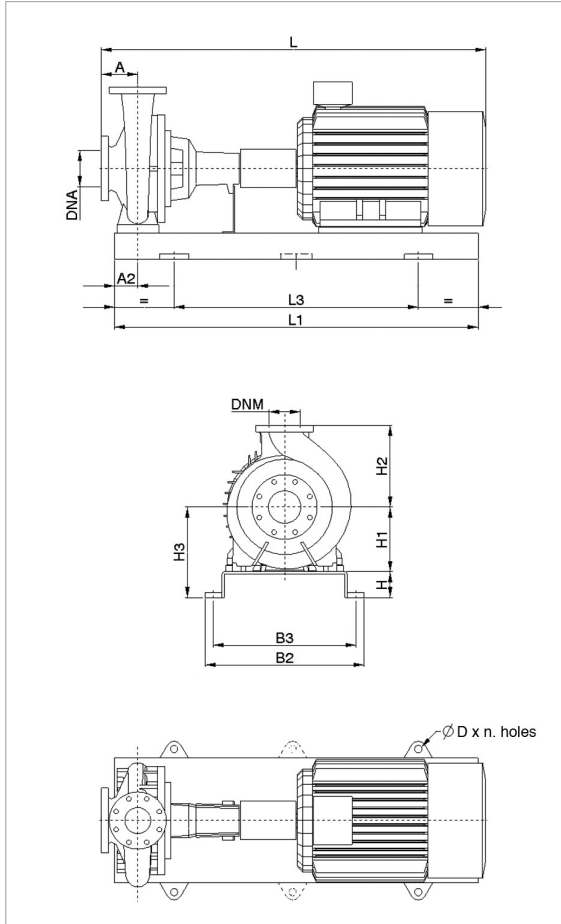
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 200-400	15	185	110	100	355	500	455	1800	1200	730	670	28x4	250	200	1637	573	1818	588
	18,5	185	110	100	355	500	455	1800	1200	730	670	28x4	250	200	1679	573	1860	588
	22	185	110	100	355	500	455	1800	1200	730	670	28x4	250	200	1679	573	1860	588
	30	185	110	100	355	500	455	1800	1200	730	670	28x4	250	200	1754	573	1935	588
	37	185	110	100	355	500	455	1800	1200	730	670	28x4	250	200	1845	573	2026	588

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 200-500 - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 200-500	22	200L	3 x 400 V - Δ	42,5	E3
	30	225M	3 x 400 V - Δ	54,8	E3
	37	250M	3 x 400 V - Δ	66,6	E3
	45	280S	3 x 400 V - Δ	80,6	E3
	55	280M	3 x 400 V - Δ	98,1	E3
	75	315S	3 x 400 V - Δ	135	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 200-500	22	185	145	185	400	580	(*)	(*)	(*)	(*)	(*)	(*)	250	200	1985	1010	2165	1037
	30	185	145	185	400	580	(*)	(*)	(*)	(*)	(*)	(*)	250	200	1985	1070	2165	1097
	37	185	145	185	400	580	(*)	(*)	(*)	(*)	(*)	(*)	250	200	2006	1105	2186	1132
	45	185	145	185	400	580	585	1650	1050	960	915	20x4	250	200	2006	1120	2186	1135
	55	185	145	185	400	580	585	1650	1050	960	915	20x4	250	200	2006	1120	2186	1135
	75	185	145	205	400	580	605	1800	1200	960	915	20x4	250	200	2096	1600	2276	1615

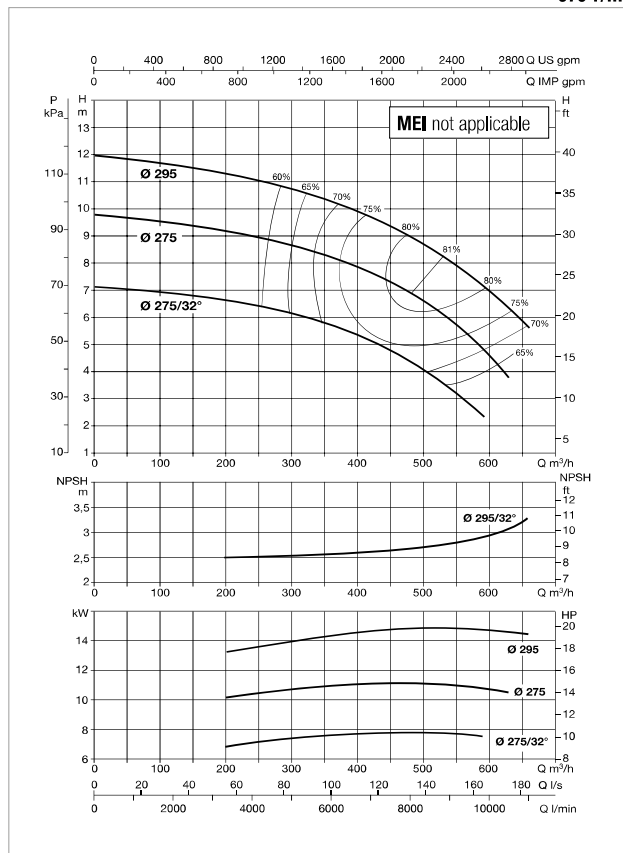
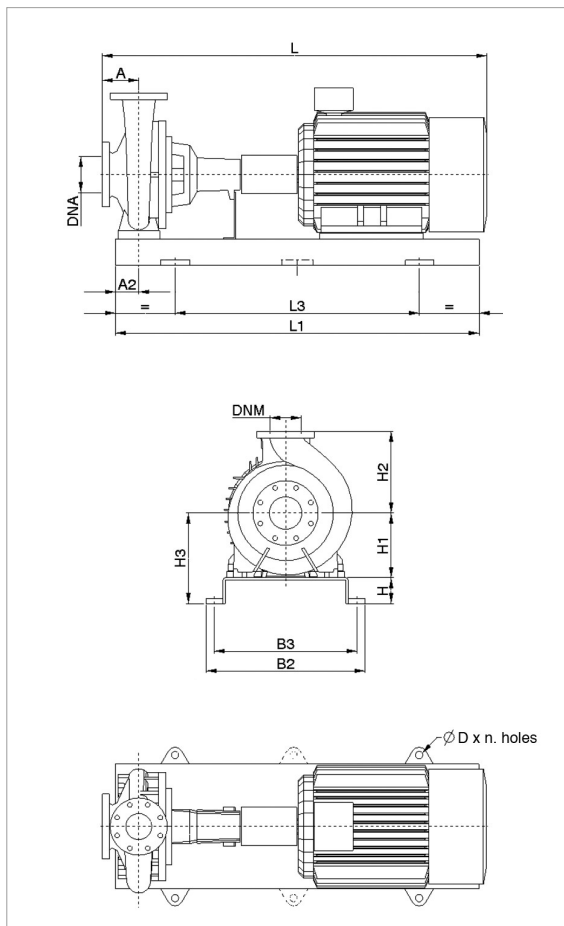
Dimension and electrical data based on sizing definition following the instructions on page 183.

(\*) Data on request.

## KDN 250-330A - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 250-330A	7,5	160M	3 x 400 V - Δ	15,8	E3
	11	160L	3 x 400 V - Δ	23,1	E3
	15	180L	3 x 400 V - Δ	29,7	E3

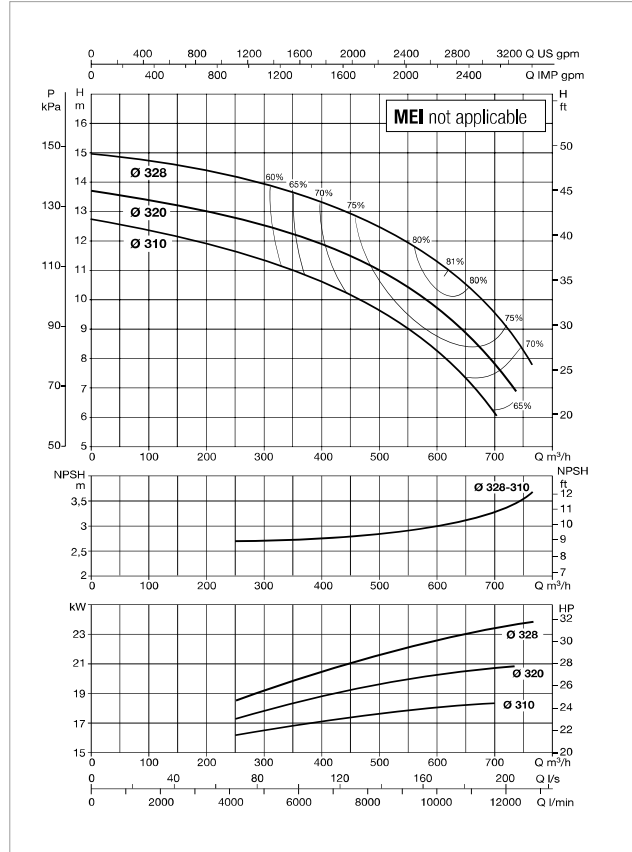
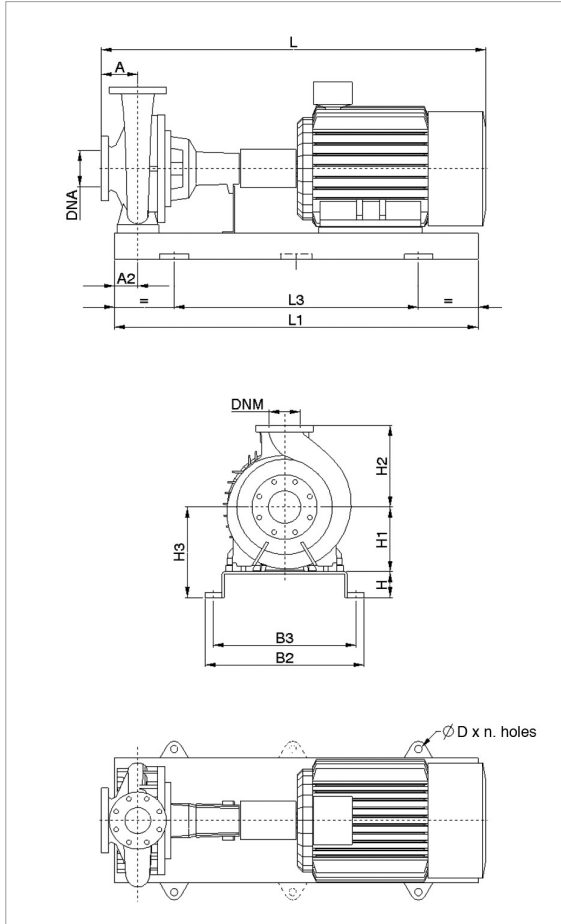
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 250-330A	7,5	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	974	647	1215	662
	11	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	974	647	1215	662
	15	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	974	647	1215	662

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 250-330 - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

CENTRIFUGAL PUMPS

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 250-330	15	180L	3 x 400 V - Δ	29,7	IE3
	18,5	200L	3 x 400 V - Δ	36	IE3
	22	200L	3 x 400 V - Δ	42,5	IE3
	30	225M	3 x 400 V - Δ	54,8	IE3

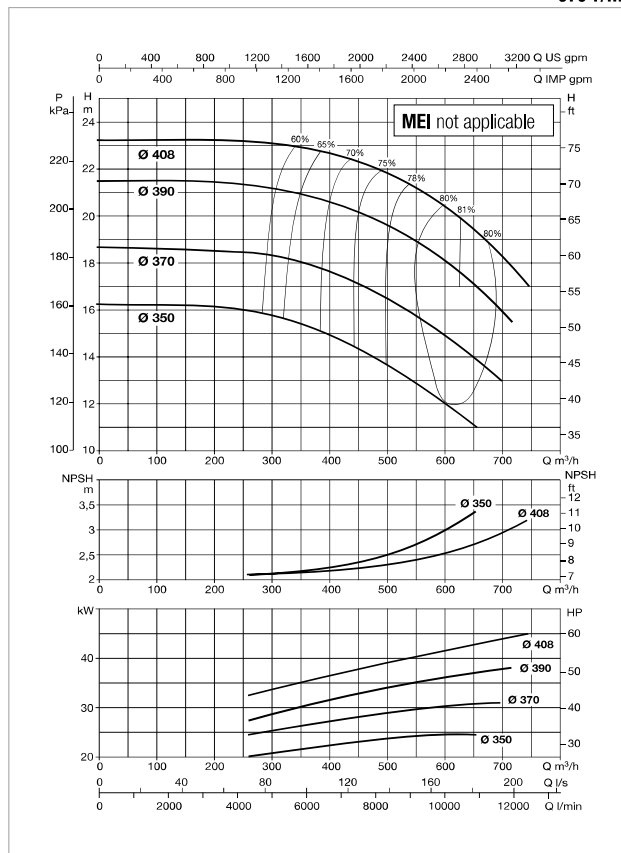
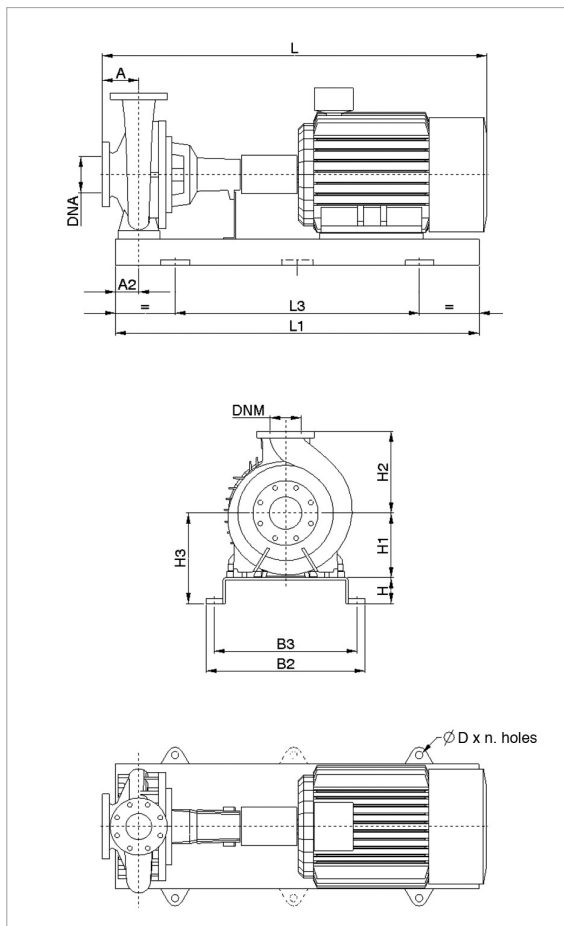
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)											FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 250-330	15	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	974	647	1215	662
	18,5	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	974	647	1215	662
	22	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	974	647	1215	662
	30	250	135	120	400	525	520	2000	1340	910	830	28x4	300	250	974	647	1215	662

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 250-400 - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

**= 970 1/min**



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 250-400	37	250M	3 x 400 V - Δ	66,6	IE3
	45	280S	3 x 400 V - Δ	80,6	IE3
	55	280M	3 x 400 V - Δ	98,1	IE3
	75	315S	3 x 400 V - Δ	135	IE3

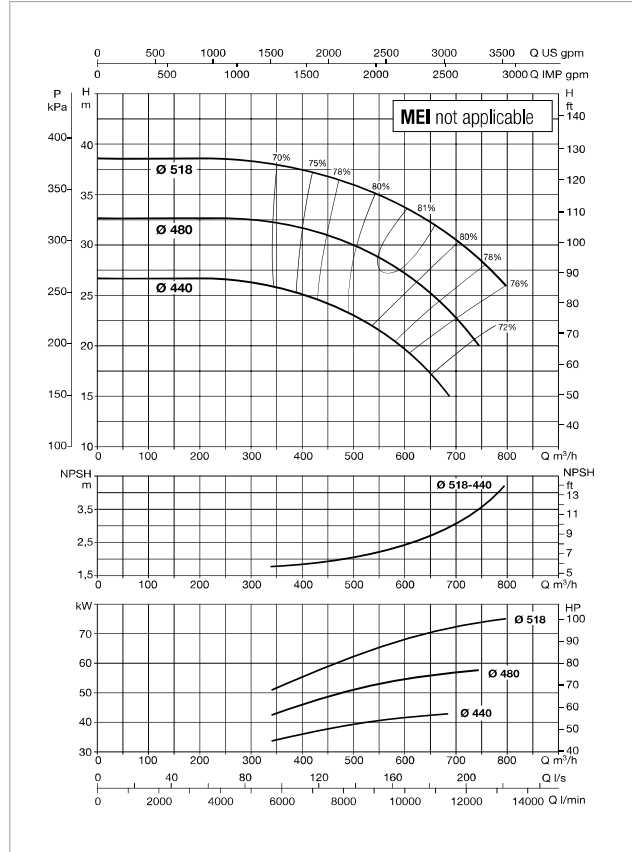
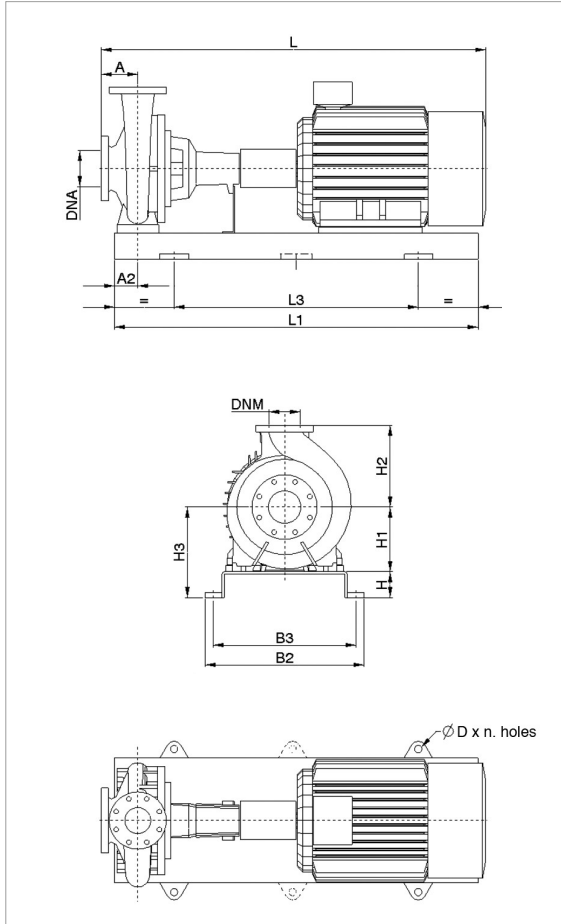
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)											FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 250-400	37	225	135	120	400	600	520	2000	1340	910	830	28x4	300	250	1080	887	1261	902
	45	225	135	120	400	600	520	2000	1340	910	830	28x4	300	250	1080	887	1261	902
	55	225	135	120	400	600	520	2000	1340	910	830	28x4	300	250	1080	887	1261	902
	75	225	135	120	400	600	520	2000	1340	910	830	28x4	300	250	1080	887	1261	902

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 250-500A - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 250-500A	37	250M	3 x 400 V - Δ	66,6	E3
	45	280S	3 x 400 V - Δ	80,6	E3
	55	280M	3 x 400 V - Δ	98,1	E3
	75	315S	3 x 400 V - Δ	135	E3
	90	315M	3 x 400 V - Δ	159	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 250-500A	37	300	155	210	500	500	(*)	(*)	(*)	(*)	(*)	(*)	300	250	(*)	(*)	(*)	(*)
	45	300	155	210	500	500	(*)	(*)	(*)	(*)	(*)	(*)	300	250	(*)	(*)	(*)	(*)
	55	300	155	210	500	500	(*)	(*)	(*)	(*)	(*)	(*)	300	250	(*)	(*)	(*)	(*)
	75	300	155	210	500	500	(*)	(*)	(*)	(*)	(*)	(*)	300	250	(*)	(*)	(*)	(*)
	90	300	155	210	500	500	(*)	(*)	(*)	(*)	(*)	(*)	300	250	(*)	(*)	(*)	(*)

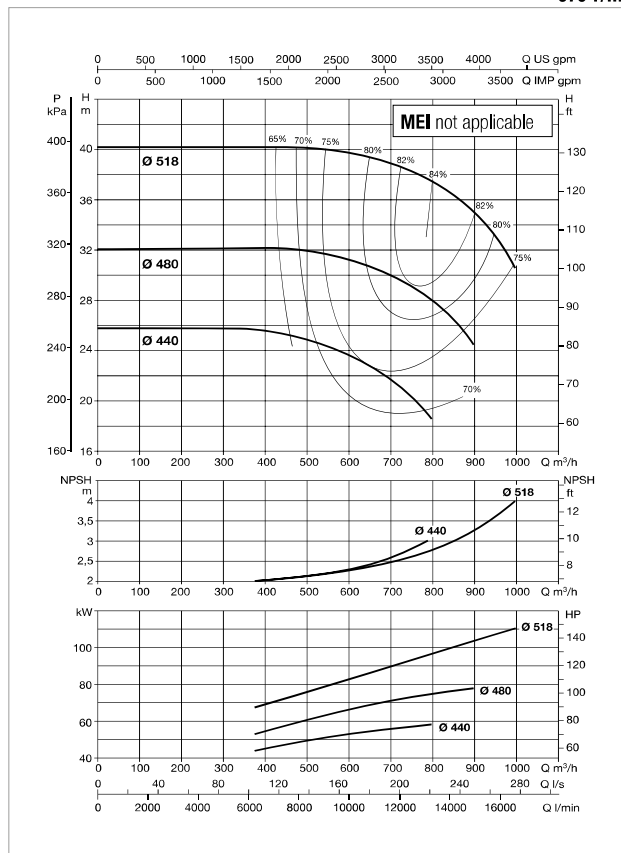
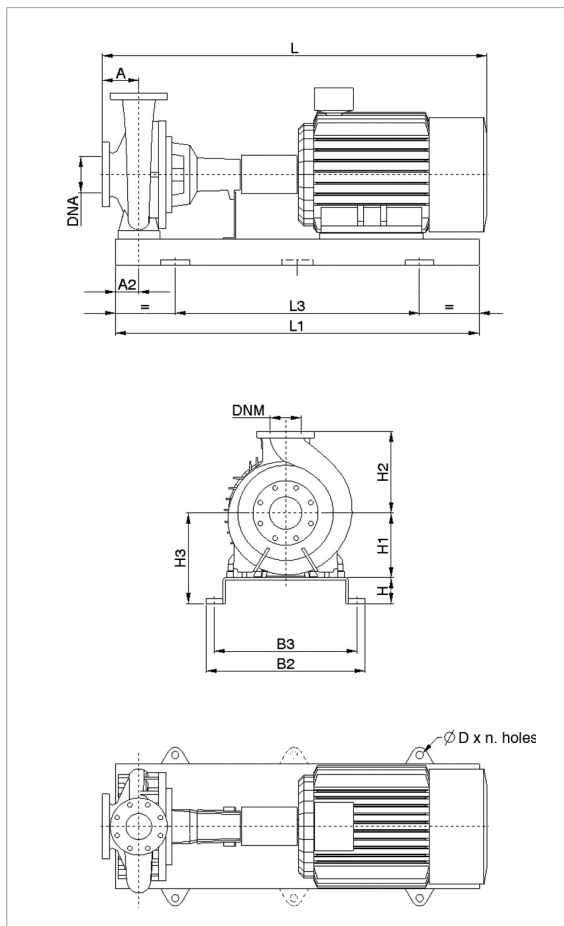
Dimension and electrical data based on sizing definition following the instructions on page 183.

(\* ) Data on request.

## KDN 250-500 - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 250-500	45	280S	3 x 400 V - Δ	80,6	E3
	55	280M	3 x 400 V - Δ	98,1	E3
	75	315S	3 x 400 V - Δ	135	E3
	90	315M	3 x 400 V - Δ	159	E3
	110	315M	3 x 400 V - Δ	192	E3
	132	315L	3 x 400 V - Δ	(*)	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 250-500	45	300	155	210	500	500	(*)	(*)	(*)	(*)	(*)	(*)	300	250	(*)	(*)	(*)	(*)
	55	300	155	210	500	500	(*)	(*)	(*)	(*)	(*)	(*)	300	250	(*)	(*)	(*)	(*)
	75	300	155	210	500	500	(*)	(*)	(*)	(*)	(*)	(*)	300	250	(*)	(*)	(*)	(*)
	90	300	155	210	500	500	(*)	(*)	(*)	(*)	(*)	(*)	300	250	(*)	(*)	(*)	(*)
	110	300	155	210	500	500	710	2250	825	995	950	20x4	300	250	2368	(*)	2618	(*)
	132	300	155	210	500	500	(*)	(*)	(*)	(*)	(*)	(*)	300	250	(*)	(*)	(*)	(*)

Dimension and electrical data based on sizing definition following the instructions on page 183.

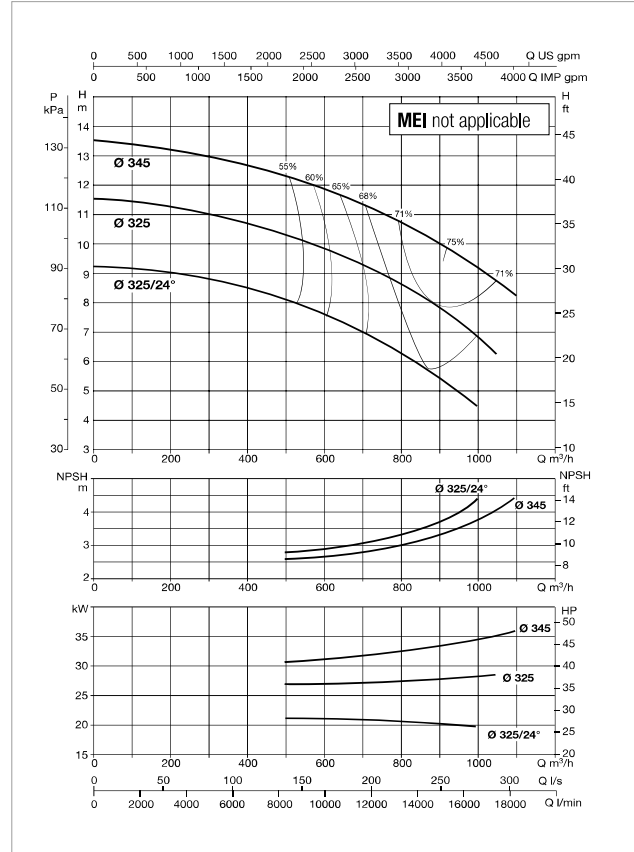
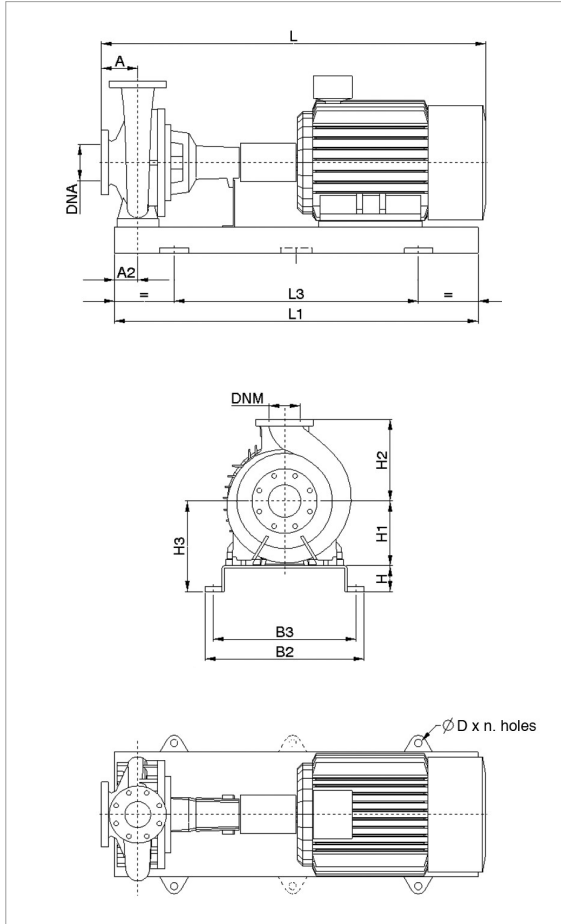
(\*) Data on request.



# KDN 300-330 - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	I <sub>n</sub> A	
KDN 300-330	22	200L	3 x 400 V - Δ	42,5	E3
	30	225M	3 x 400 V - Δ	54,8	E3
	37	250M	3 x 400 V - Δ	66,6	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 300-330	22	300	230	185	500	670	(*)	(*)	(*)	(*)	(*)	(*)	350	300	(*)	(*)	(*)	(*)
	30	300	230	185	500	670	(*)	(*)	(*)	(*)	(*)	(*)	350	300	(*)	(*)	(*)	(*)
	37	300	230	185	500	670	(*)	(*)	(*)	(*)	(*)	(*)	350	300	(*)	(*)	(*)	(*)

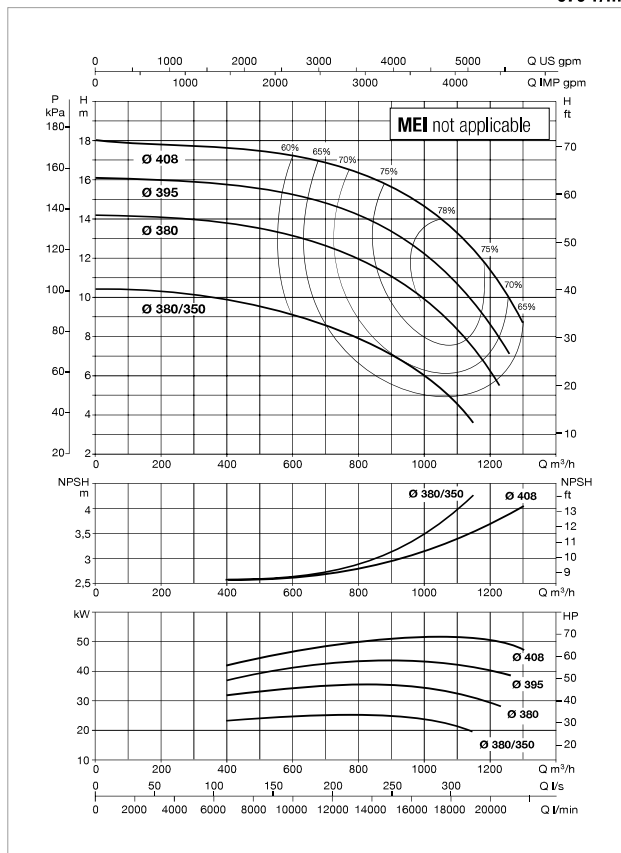
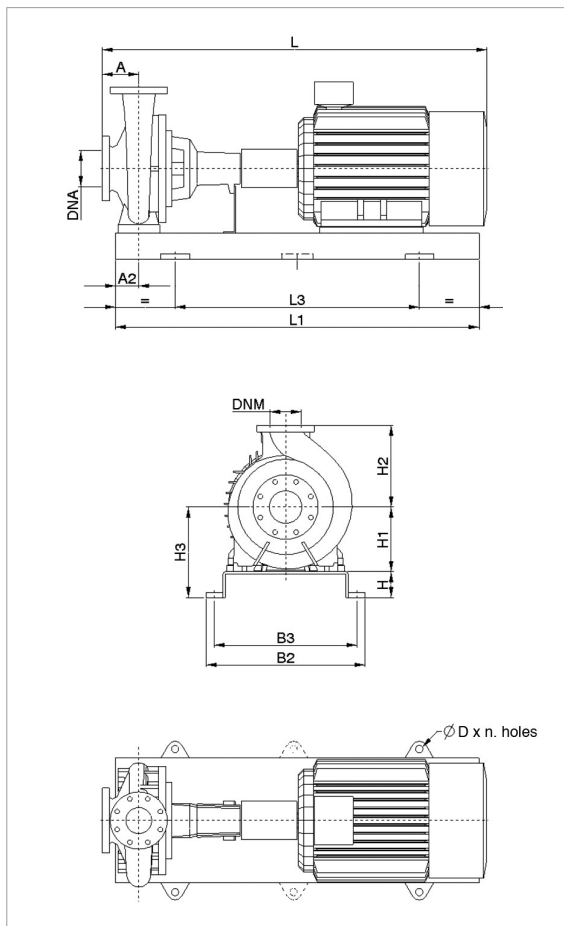
Dimension and electrical data based on sizing definition following the instructions on page 183.

(\*) Data on request.

## KDN 300-400M - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 300-400M	45	280S	3 x 400 V - Δ	80,6	IE3
	55	280M	3 x 400 V - Δ	98,1	IE3
	75	315S	3 x 400 V - Δ	135	IE3
	90	315M	3 x 400 V - Δ	159	IE3

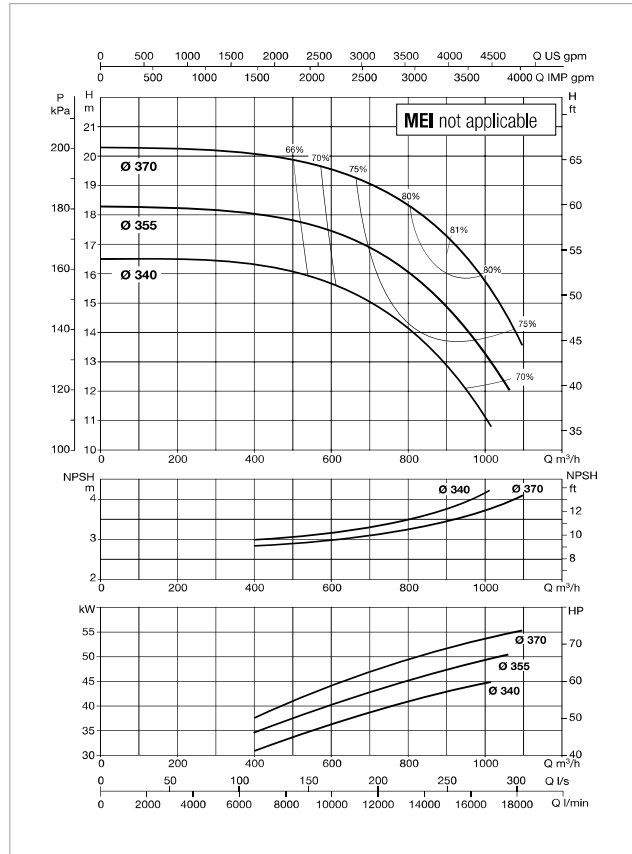
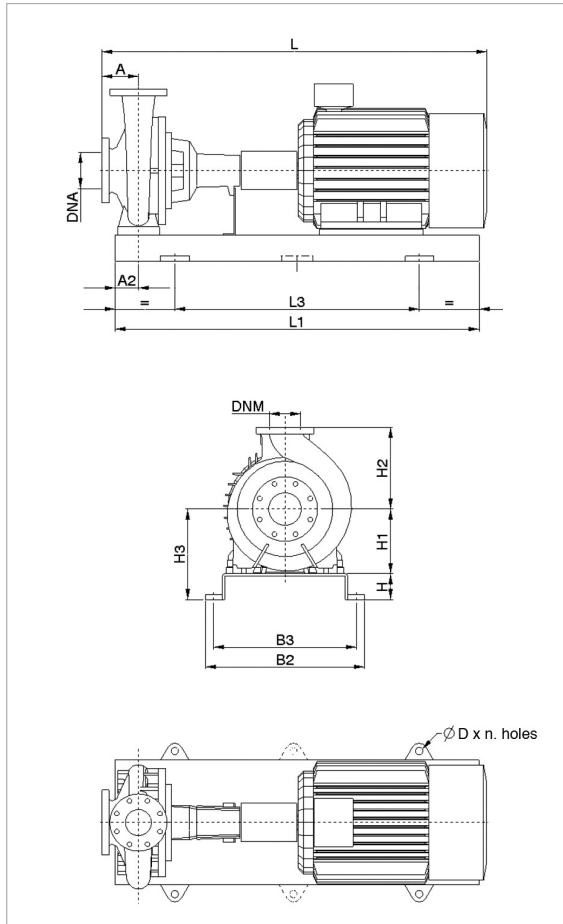
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)											FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 300-400M	45	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1190	800	1431	815
	55	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1190	800	1431	815
	75	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1190	800	1431	815
	90	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1190	800	1431	815

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 300-400A - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 300-400A	45	280S	3 x 400 V - Δ	80,6	IE3
	55	280M	3 x 400 V - Δ	98,1	IE3
	75	315S	3 x 400 V - Δ	135	IE3
	90	315M	3 x 400 V - Δ	159	IE3

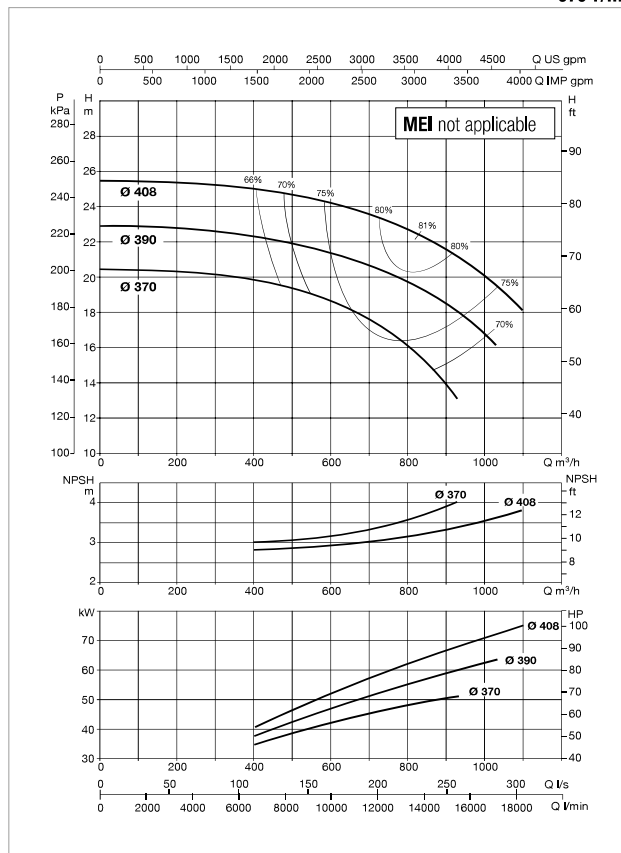
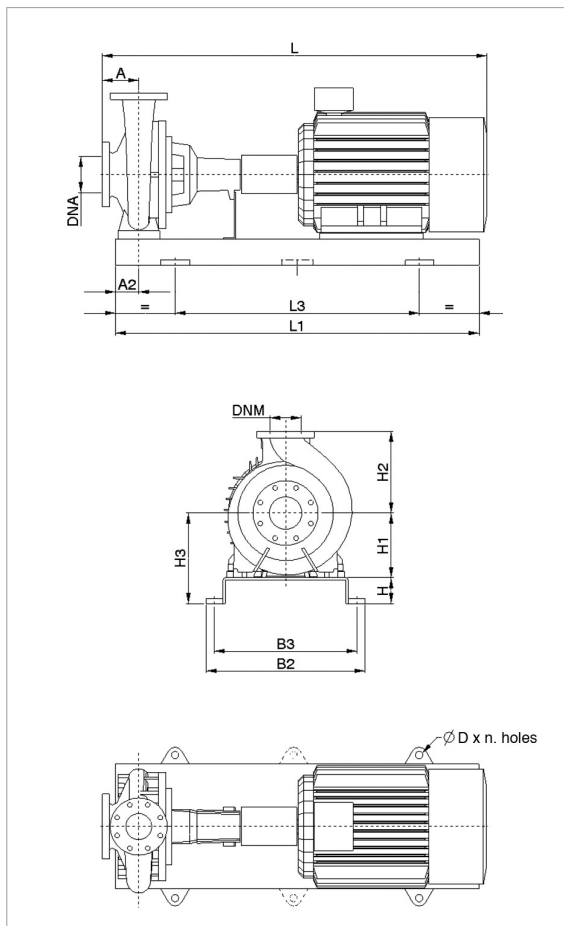
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)											FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 300-400A	45	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1190	800	1431	815
	55	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1190	800	1431	815
	75	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1190	800	1431	815
	90	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1190	800	1431	815

Dimension and electrical data based on sizing definition following the instructions on page 183.

## KDN 300-400 - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 300-400	45	280S	3 x 400 V - Δ	80,6	E3
	55	280M	3 x 400 V - Δ	98,1	E3
	75	315S	3 x 400 V - Δ	135	E3
	90	315M	3 x 400 V - Δ	159	E3
	110	315M	3 x 400 V - Δ	192	E3

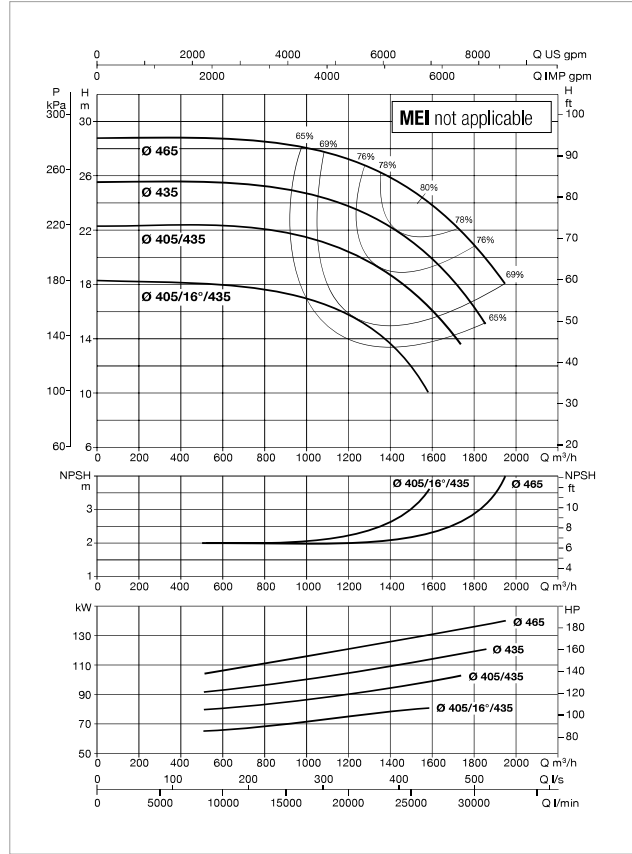
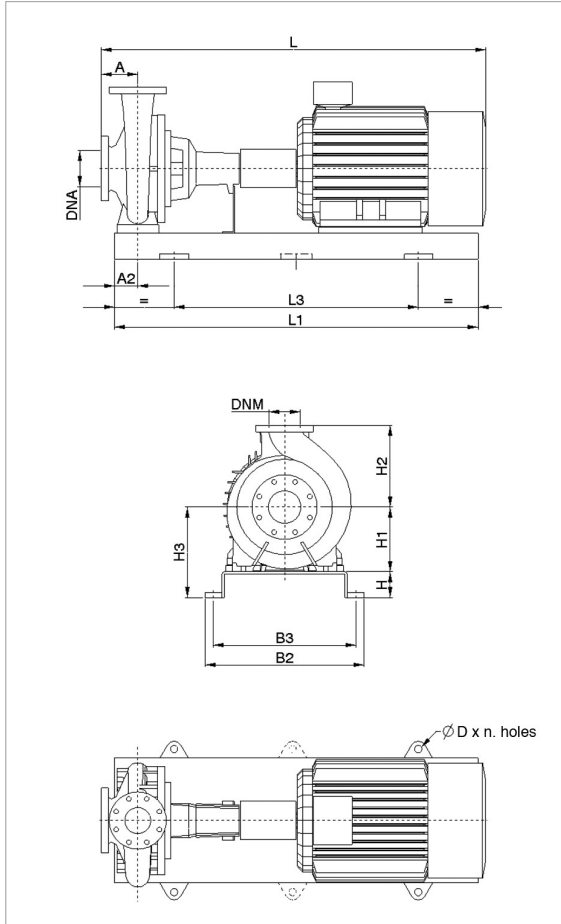
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)											FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 300-400	45	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1190	800	1431	815
	55	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1190	800	1431	815
	75	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1190	800	1431	815
	90	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1190	800	1431	815
	110	325	135	120	400	640	520	2000	1340	910	830	28x4	350	300	1207	800	1448	815

Dimension and electrical data based on sizing definition following the instructions on page 183.

# KDN 350-500A - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.  
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	In A	
KDN 350-500A	90	315M	3 x 400 V - Δ	159	IE3
	110	315M	3 x 400 V - Δ	192	IE3
	132	315L	3 x 400 V - Δ	(*)	IE3
	160	315L	3 x 400 V - Δ	(*)	IE3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 350-500A	90	380	295	240	600	600	840	2490	1890	1305	1260	20x6	400	350	2658	1080	2659	1095
	110	380	295	240	600	600	840	2490	1890	1305	1260	20x6	400	350	2675	1080	2676	1095
	132	380	295	240	600	600	840	2490	1890	1305	1260	20x6	400	350	2675	1080	2676	1095
	160	380	295	240	600	600	840	2700	2100	1305	1260	20x6	400	350	3202	1080	3203	1095

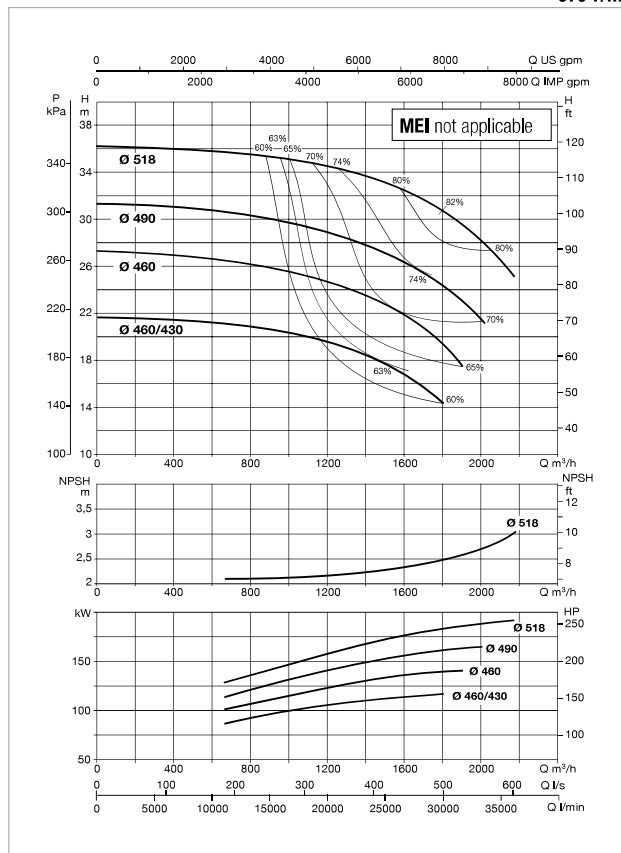
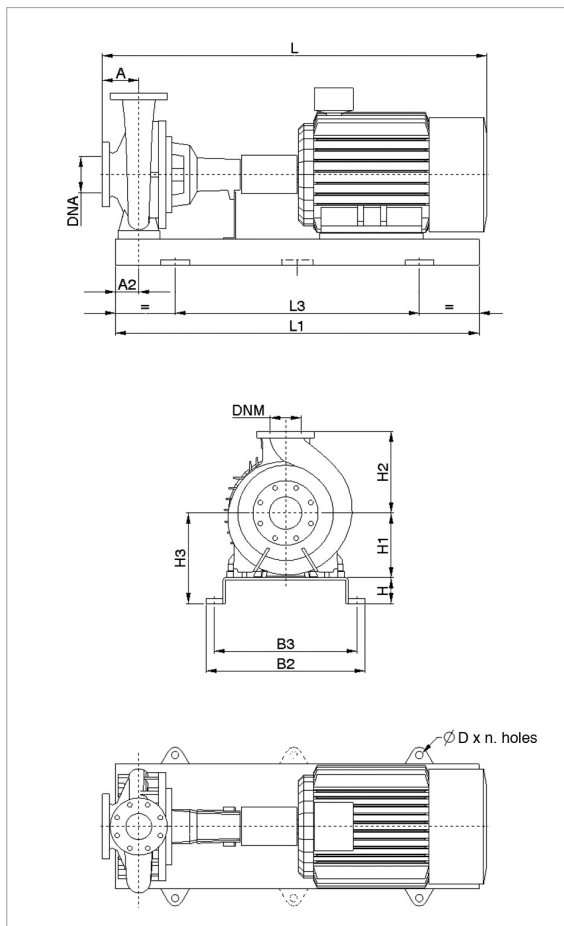
Dimension and electrical data based on sizing definition following the instructions on page 183.

(\*) Data on request.

## KDN 350-500 - 6 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +120°C - Maximum ambient temperature: +40°C

= 970 1/min



For MEI index refer to the hydraulic efficiency section.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	POWER (kW)	MOTOR SIZE	ELECTRICAL DATA		MOTOR TYPE
			POWER INPUT 50 Hz	I <sub>n</sub> A	
KDN 350-500	110	315M	3 x 400 V - Δ	192	E3
	132	315L	3 x 400 V - Δ	(*)	E3
	160	315L	3 x 400 V - Δ	(*)	E3
	200	355L	3 x 400 V - Δ	(*)	E3
	250	355L	3 x 400 V - Δ	(*)	E3

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING		
		A	A2	H	H1	H2	H3	L1	L3	B2	B3	D	DNA	DNM	L (mm)	WEIGHT Kg	L (mm)	WEIGHT Kg
KDN 350-500	110	380	295	240	600	600	840	2490	1890	1305	1260	20x6	400	350	2675	1080	2676	1095
	132	380	295	240	600	600	840	2490	1890	1305	1260	20x6	400	350	2675	1080	2676	1095
	160	380	295	240	600	600	840	2490	1890	1305	1260	20x6	400	350	2675	1080	2676	1095
	200	380	(*)	(*)	600	600	600	(*)	(*)	(*)	(*)	(*)	400	350	(*)	(*)	(*)	(*)
	250	380	(*)	(*)	600	600	600	(*)	(*)	(*)	(*)	(*)	400	350	(*)	(*)	(*)	(*)

Dimension and electrical data based on sizing definition following the instructions on page 183.

(\*) Data on request.

# KDN OVERSIZE - 6 POLES

STANDARDISED PUMPS

## IE3 STANDARD MOTOR ELECTRIC DATA

=970 1/min

MOTOR TYPE	P2 NOMINAL kW	SPEED rpm	YIELD %	POWER FACTOR COS $\phi$	POWER INPUT 50 Hz	In A		Start-up current Ia/In	Start-up torque Ma/Mn	Maximum torque M/k/Mn	POLES
						400	690				
MEC 132M	5,50	975	88,00	0,640	3x400 $\Delta$	14,2	8,19	5,40	2,10	2,90	6
MEC 160M	7,50	970	89,10	0,770	3x400 $\Delta$	15,80	9,13	6,00	2,40	2,40	6
MEC 160L	11,00	975	90,30	0,760	3x400 $\Delta$	23,10	13,35	6,80	2,90	2,60	6
MEC 180L	15,00	980	91,20	0,800	3x400 $\Delta$	29,70	17,17	7,80	2,90	3,30	6
MEC 200L	18,50	980	91,70	0,810	3x400 $\Delta$	36,00	20,81	7,30	2,80	2,80	6
MEC 200L	22,00	980	92,20	0,810	3x400 $\Delta$	42,50	24,57	7,70	3,00	2,90	6
MEC 225M	30,00	985	92,90	0,850	3x400 $\Delta$	54,80	31,68	6,20	2,10	2,20	6
MEC 250M	37,00	985	93,30	0,860	3x400 $\Delta$	66,60	38,50	8,30	2,90	3,40	6
MEC 280S	45,00	990	93,70	0,860	3x400 $\Delta$	80,60	46,59	7,80	2,70	3,10	6
MEC 280M	55,00	990	94,10	0,860	3x400 $\Delta$	98,10	56,71	8,20	2,90	3,20	6
MEC 315S	75,00	990	94,60	0,850	3x400 $\Delta$	135,00	78,03	7,70	2,40	3,10	6
MEC 315M	90,00	990	94,90	0,860	3x400 $\Delta$	159,00	91,91	7,40	2,30	3,00	6
MEC 315L	110,00	990	95,10	0,870	3x400 $\Delta$	192,00	110,98	6,50	2,00	2,60	6

# DWA

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On-line product selection



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