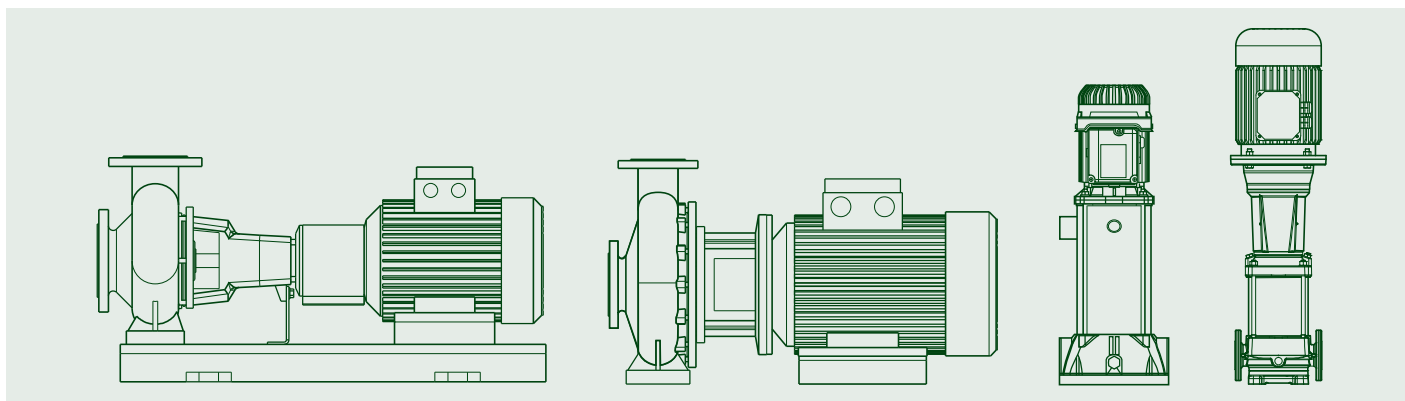
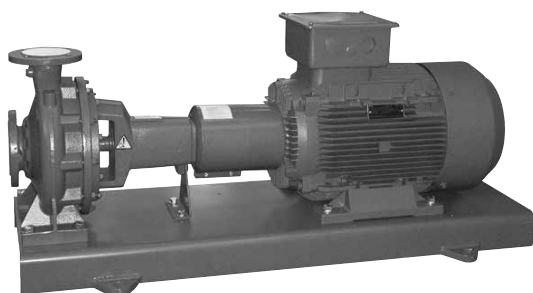


CENTRIFUGAL PUMPS



**TECHNICAL
CATALOGUE**



IE3 $\geq$ 0,75 kW

TECHNICAL DATA

Rotation speed: 1450 - 2900 1/min

Operating range:

from 1 to 470 m³/h with head up to 143 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 -10°C to +140°C

Maximum ambient temperature: +40 °C

Maximum operating pressure:

16 bar - 1600 kPa (for DN 200 max 10 bar)

Flanging: PN 16 DIN 2533

PN 10 DIN 2532 for DN 200

Installation: normally in the horizontal position

Special executions on requests: pumps for liquids other than water

Packing (also externally powered)

Other voltages and/or frequencies

APPLICATIONS

Standardised centrifugal single-stage pumps, designed for a wide range of applications, such as:

Water supply.

Hot water circulation for the heating system.

Circulation of cold water for air conditioning and refrigeration systems.

Transfer of liquids in agricultural, horticultural, and industrial environments.

Installation of pumping assemblies.

They can be coupled, using an elastic joint (standard or spacer), to a 2-pole or 4-pole electric motor, and installed on a formed metal sheet base in accordance with UNI EN 23661.

CONSTRUCTION FEATURES OF THE PUMP

Cast iron single stage spiral body complying with DIN-EN 733 (formerly DIN 24255), seal holder cover and cast iron motor support, flanges complying with DIN 2533 (DIN 2532 for DN 200). Cast iron impeller, closed and dynamically balanced, with compensation of the axial thrust through balancing holes, operation on interchangeable wear rings (on request). Stainless steel pump shaft supported by two permanently lubricated oversized ball bearings, housed inside an appropriate chamber in the support.

Standard seal device: standardised mechanical seal according to DIN 24960 in carbon/silicon carbide with EPDM OR rings.

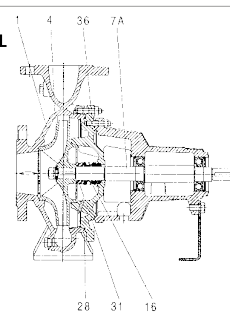
Packing with lubricating hydraulic ring and stuffing box in two easily removable parts available on request.

MATERIALS

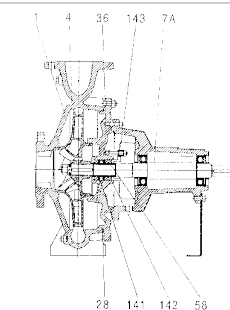
No.	PARTS	MATERIALS
1	PUMP BODY	CAST IRON 250 UNI ISO 185
4	IMPELLER	CAST IRON 200 UNI ISO 185
7A	PUMP SHAFT	AISI 420 STAINLESS STEEL UNI 6900/71
28	OR RING	VITON
36	SEAL HOLDING DISC	CAST IRON 250 UNI ISO 185
16	MECHANICAL SEAL	CARBON/SILICON CARBIDE
31	SEAL SPACER	AISI 304 STAINLESS STEEL UNI 6900/71

No.	PARTS	MATERIALS
58	SEAL BUSHING	AISI 420 STAINLESS STEEL UNI 6900/71
141	HYDRAULIC RING	AISI 304 STAINLESS STEEL UNI 6900/71
142	STUFFING BOX	RAMIE IMPREGNATED PTFE

**STANDARD VERSION
WITH MECHANICAL SEAL**



**VERSION ON REQUEST
WITH PACKING**



DENOMINATION INDEX

In the description of the bare shaft pump no mention is made of the coupling or motor data.

In the description of the pumps mounted on a base without a motor, the motor data are not mentioned.

The example given describes an NK 100-200 type pump with a cast iron 198 Ø impeller, with BAQE type mechanics, standard coupling and 4-poles 5,5 kW motor running on 380-415 V 50 Hz.

	KDN 100 - 200 / 198	A	W / BAQE / 1	5.5	4
Type					
Nominal diameter of the delivery port					
Nominal diameter of the impeller					
Actual diameter of the impeller					
Material codes: A (01): Cast iron B (03): Cast iron with bronze impeller					
Wear rings (only if present)					
Seal code					
Type of pump/motor coupling 0 = Without coupling (bare shaft pump) 1 = With standard elastic coupling 2 = With elastic spacer coupling					
Motor power in kW					
Number of poles of the motor					

PUMP MATERIAL CODES

Component	VERSION	
	A (01) cast iron	B (03) cast iron with bronze impeller
Pump body	GG25	GG25
SEAL HOLDER DISC	GG25	GG25
Stuffing box	OT Cu 62 Si1	OT Cu 62 Si1
Impeller	GG25	GCuSn5Zn5Pb5 UNI 7013/8a-72
Wear rings*	GG20	GG20
Pump shaft	AISI 420 UNI 6900/71	
Shaft sleeve*	AISI 420 UNI 6900/71	

PACKING CODES

Position	Code	Description of the packing
1	S	Stuffing box type
Position	Code	Cooling
2	N	Stuffing box not cooled
	K	Stuffing box cooled
Position	Code	Sealing liquid
3	E	With internal liquid
	F	With external liquid
	O	Without hydraulic ring

* On request

** Only for packing or balanced mechanical seal.

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
	M	Rubber bellows seal
	X	Metal bellows seal
Position	Code	Materials
2 & 3	A	Impregnated carbon/metal
	B	Impregnated carbon/resin
	C	Other carbon types
	S	Chromium steel
	U	Tungsten carbide
	Q	Silicon carbide
	V	Aluminium oxide (ceramic)
	X	Other ceramic types
Position	Code	Materials
4	P	Nitrile rubber (NBR)
	S	Silicon rubber
	T	Teflon (PTFE)
	E	EPDM
	V	Viton
	M	PTFE coated O-ring
Position	Code	Materials
5	v	Reinforced

PRODUCT CODE DESCRIPTION

NOMINAL DIAMETER OF THE IMPELLER	Cod.
125	1
160	2
200	3
250	4
315	5
125.1	K
160.1	L
200.1	M

PUMP TYPE	Cod.
KDN 32	1
KDN 40	2
KDN 50	3
KDN 65	4
KDN 80	5
KDN 100	6
KDN 125	7
KDN 150	8

IDENTIFICATION	Cod.
DAB PUMPS S.p.A.	D

	Cod.
DAB PUMPS S.p.A.	1

Cod.	PUMP/IMPELLER MATERIALS
1	A (01) = cast iron/cast iron
2	B (03) = cast iron/bronze
3	
4	
5	A (01) + Wr*
6	B (03) + Wr*
7	
8	

Cod.	SEAL DEVICE
1	BAQE
2	BAQE-RMG12
5	BQQV*
7	BAQV*
A	SNE*
B	SNO*
C	SNF*
G	BQQE*

* On request

Cod.	JOINT
0	Without joint
1	With standard elastic coupling
2	With elastic spacer coupling

* Bare shaft pump

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

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
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
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

Product code

1	D	1	1	1	1	1	1	1	1
---	---	---	---	---	---	---	---	---	---

← Bare shaft pump → 0 0 0
 ← Pump with base without motor → 0
 ← Complete electric pump with base →

GENERAL DATA

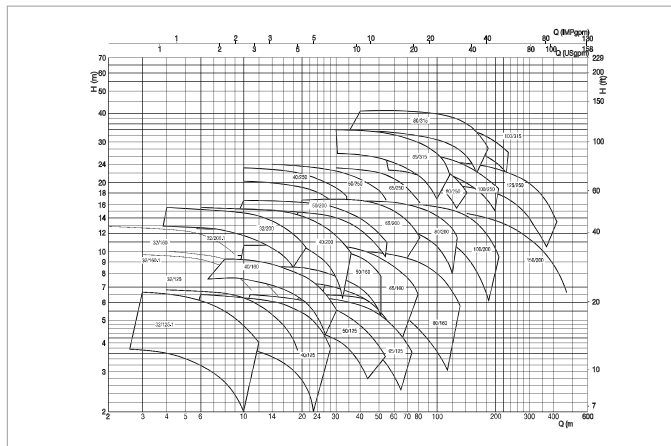
Supplied with closed asynchronous type motor, external ventilation cooling, 2 or 4 poles.

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

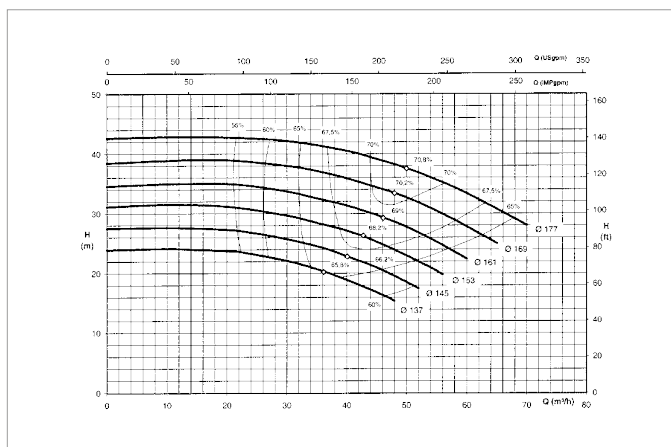
Electrical protection: in compliance with the EEC 89/336 ELECTROMAGNETIC COMPATIBILITY DIRECTIVE and subsequent amendments, the EEC 73/23 LOW VOLTAGE DIRECTIVE and subsequent amendments, as well as CEI 2-3 standards.

INSTRUCTIONS FOR THE IDENTIFICATION OF THE PUMP AND MOTOR REQUIRED.

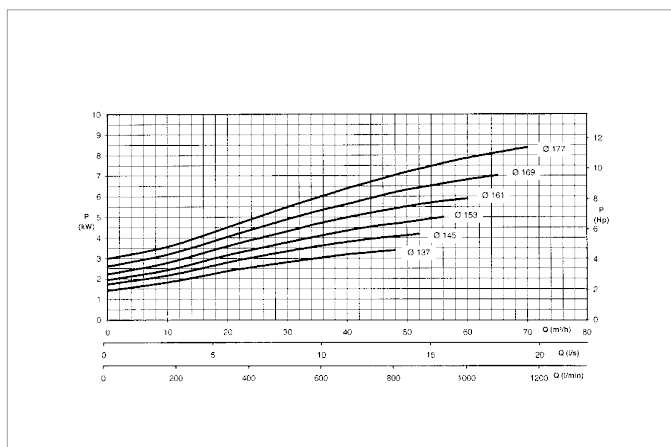
1. On the general chart supplied, find the family pump that indicatively offers the required flow rate and head characteristics.



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

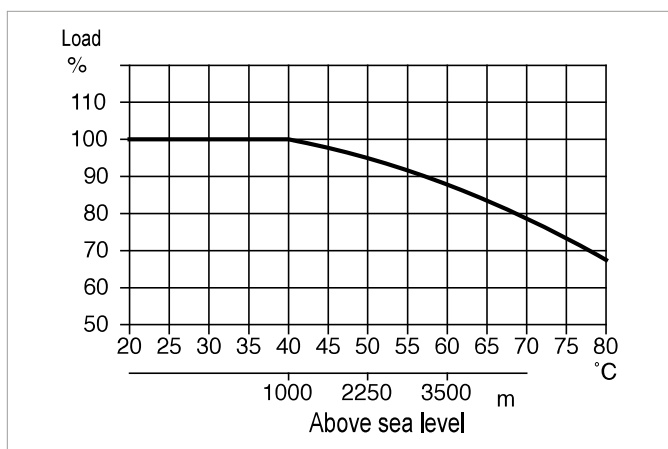
If the pump is to be used with liquids with fairly high specific weight and viscosity values, apply any required corrections to the power of the motor to be installed (check the suitability of the construction materials in contact with the liquid).

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).

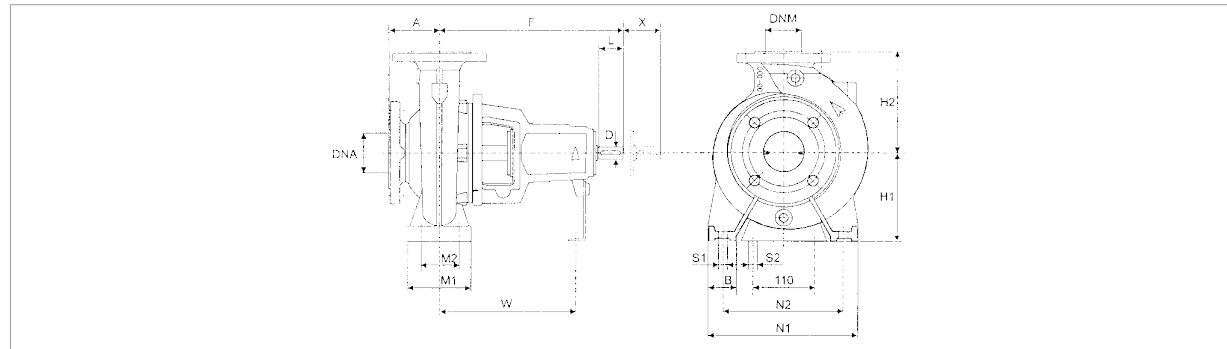
Ambient temperature

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.

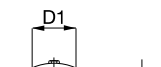


DIMENSIONS OF BARE SHAFT PUMPS



MODEL	η MAX 1450 min ⁻¹		η MAX 2900 min ⁻¹		FLANGE DIMENSIONS		PUMP DIMENSIONS				BASE DIMENSIONS						BOLT HOLES		SHAFT END		X	WEIGHT kg
	Q m³/h	H m	Q m³/h	H m	DNA	DNM	A	F	H1	H2	B	M1	M2	N1	N2	W	S1	S2	D	L		
KDN 32-125.1	10.5	5.5	20.9	22	50	32	80	360	112	140	50	100	70	190	140	260	M12	M12	24	50	100	37
KDN 32-125	13.6	5.8	28	22.8	50	32	80	360	112	140	50	100	70	190	140	260	M12	M12	24	50	100	36
KDN 32-160.1	8.7	8.3	17.5	33	50	32	80	360	132	160	50	100	70	240	190	260	M12	M12	24	50	100	38
KDN 32-160	15.9	8.6	31	34	50	32	80	360	132	160	50	100	70	240	190	260	M12	M12	24	50	100	38
KDN 32-200.1	8.5	11.4	18	45	50	32	80	360	160	180	50	100	70	240	190	260	M12	M12	24	50	100	46
KDN 32-200	17.7	13.2	35.5	52.5	50	32	80	360	160	180	50	100	70	240	190	260	M12	M12	24	50	100	46
KDN 40-125	21.8	5.6	46	21.5	65	40	80	360	112	140	50	100	70	210	160	260	M12	M12	24	50	100	39
KDN 40-160	25.8	9.2	50	37.2	65	40	80	360	132	160	50	100	70	240	190	260	M12	M12	24	50	100	41
KDN 40-200	29	12.6	57	51	65	40	100	360	160	180	50	100	70	265	212	260	M12	M12	24	50	100	49
KDN 40-250	31	19.1	62	77	65	40	100	360	180	225	65	125	95	320	250	260	M12	M12	24	50	100	57
KDN 50-125	41	5.4	83	21.5	65	50	100	360	132	160	50	100	70	240	190	260	M12	M12	24	50	100	42
KDN 50-160	43.3	9.3	87.5	37	65	50	100	360	160	180	50	100	70	265	212	260	M12	M12	24	50	100	44
KDN 50-200	41	14	81	56	65	50	100	360	160	200	50	100	70	265	212	260	M12	M12	24	50	100	51
KDN 50-250	49	19.1	100	76	65	50	100	360	180	225	65	125	95	320	250	260	M12	M12	24	50	100	59
KDN 65-125	57	5.2	114	21	80	65	100	360	160	180	65	125	95	280	212	260	M12	M12	24	50	100	46
KDN 65-160	61	8.6	121	34.5	80	65	100	360	160	200	65	125	95	280	212	260	M12	M12	24	50	100	47
KDN 65-200	62	14.8	123	59	80	65	100	360	180	225	65	125	95	320	250	260	M12	M12	24	50	140	66
KDN 65-250	65.4	20	129	81	80	65	100	470	200	250	80	160	120	360	280	340	M16	M12	32	80	140	93
KDN 65-315	84	31.5	–	–	80	65	125	470	225	280	80	160	120	400	315	340	M16	M12	32	80	140	112
KDN 80-160	101	8.1	195	33.5	100	80	125	360	180	225	65	125	95	320	250	260	M12	M12	24	50	140	55
KDN 80-200	101	14.4	200	57.5	100	80	125	470	180	250	65	125	95	345	280	340	M12	M12	32	80	140	84
KDN 80-250	103	23	215	88	100	80	125	470	200	280	80	160	120	400	315	340	M16	M12	32	80	140	104
KDN 80-315	136	35	–	–	100	80	125	470	250	315	80	160	120	400	315	340	M16	M12	32	80	140	122
KDN 100-200	163	13.4	315	53	125	100	125	470	200	280	80	160	120	360	280	340	M16	M12	32	80	140	96
KDN 100-250	159	21.8	313	87	125	100	140	470	225	280	80	160	120	400	315	340	M16	M12	32	80	140	111
KDN 100-315	187	34.1	–	–	125	100	140	470	250	315	80	160	120	400	315	340	M16	M12	32	80	140	126
KDN 125-250	289	20.5	–	–	150	125	140	470	250	355	80	160	120	400	315	340	M16	M12	32	80	140	135
KDN 150-200	378	10	–	–	200	150	160	470	280	400	100	200	150	550	450	340	M20	M12	32	80	140	178

FLANGE DIMENSIONS (mm)

		Nominal diameter (DN)								
		DIN 2533 PN 16								DIN 2533 PN 10
		32	40	50	65	80	100	125	150	200
	D(	32	40	50	65	80	100	125	150	200
	D)	100	110	125	145	160	180	210	240	295
	D[	140	150	165	185	200	220	250	285	340
	S	18	18	18	18	18	18	18	22	22
	NO. OF HOLES	4	4	4	4	8	8	8	8	8

KDN - 2 POLE RANGE

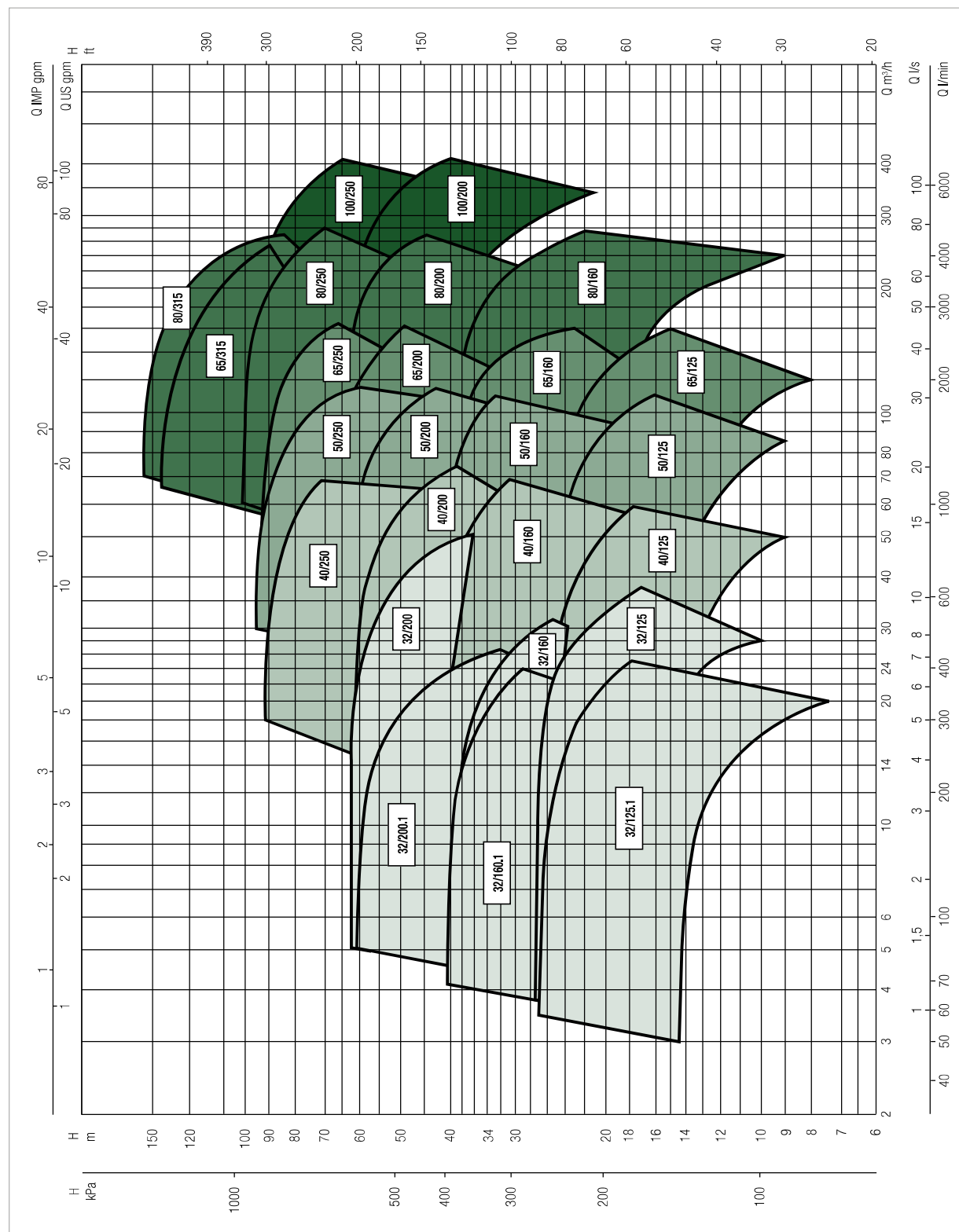
STANDARDISED PUMPS

PERFORMANCE RANGE

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.

GRAPHIC SELECTION TABLE

= 2900 1/min



KDN - 2 POLES

STANDARDISED PUMPS

SELECTION TABLE - KDN 32

MODEL	Q=m³/h	0	6	12	18	24	30	36	42	48
	Q=l/min	0	100	200	300	400	500	600	700	800
KDN 32-125.1/105	H (m)	13,8	13,6	12,3	9,7					
KDN 32-125.1/110		15,5	15,2	13,9	11,5					
KDN 32-125.1/115		17,1	16,8	15,5	13,2					
KDN 32-125.1/120		18,8	18,5	17,3	15,1					
KDN 32-125.1/125		20,5	20,3	19,1	17					
KDN 32-125.1/130		22,3	22,2	21,3	19					
KDN 32-125.1/135		24,4	24,1	23,3	21,1	17,8				
KDN 32-125.1/140		26,5	26,4	25,6	23,4	20,1				
KDN 32-125/115		17,3		16,5	15,1	12,9				
KDN 32-125/120		19		18,2	17	14,9	11,1			
KDN 32-125/125		20,9		20,1	18,9	16,9	13,5			
KDN 32-125/130		22,9		22	21	19,1	16,2			
KDN 32-125/135		24,9		24	22,1	21,5	18,5	14,7		
KDN 32-125/142		27,8		27	26,1	24,5	21,7	18		
KDN 32-160.1/137		21,5	21,2	19,3						
KDN 32-160.1/145		24,7	24,5	22,3	16,5					
KDN 32-160.1/153		28,3	28	26	20,5					
KDN 32-160.1/161		32	31,8	30	25					
KDN 32-160.1/169		36	35,7	34,4	29,5					
KDN 32-160.1/177		39,5	39,3	38,2	34,5	26				
KDN 32-160/137		23,7		22,6	20,7	17,6				
KDN 32-160/145		27		25,8	23,9	21,2	16,9			
KDN 32-160/153		30,4		29,5	27,7	25,8	21,2			
KDN 32-160/161		34		33	31,7	29,1	25,5			
KDN 32-160/169		38		37,3	36	33,6	35,7	26,5		
KDN 32-160/177		41,8		41,5	40,5	38,4	35,3	31,4		
KDN 32-200.1/170		34,3	34,2	31,9	23,5					
KDN 32-200.1/180		39,4	39,2	36,7	30					
KDN 32-200.1/190		45,3	44,7	41,5	35,5					
KDN 32-200.1/200		51,5	51	47,3	41	35				
KDN 32-200.1/207		55,3	55	51,8	46,4	37				
KDN 32-200/170		34		33	31	27	21			
KDN 32-200/180		39		38,5	36,5	32,5	28			
KDN 32-200/190		45		43,5	42	39	34	28,5		
KDN 32-200/200		51		49	48	45	40,5	35		
KDN 32-200/210		57		56	55	52,5	48,5	43	36	
KDN 32-200/219		63		62	61	59	56,5	52,5	46,5	39,5

SELECTION TABLE - KDN 40

MODEL	Q=m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72
	Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200
KDN 40-125/115	H (m)	16,8		13,3	15,6	15	14,3	13,2	12,6	9,8				
KDN 40-125/120		18,5		18	17,5	17	16	15	13,5	11,8				
KDN 40-125/125		20,4		20	19,5	19	18	16,7	15,3	13,5				
KDN 40-125/130		22		21,8	21,5	21	20	19	17,5	15,7	14			
KDN 40-125/135		24,1		24	23,9	23,4	22,5	21,5	20	18,3	16,4			
KDN 40-125/142		26,8		26,6	26,4	26	25,3	24,4	23	21,4	19,4	17		
KDN 40-160/137		23,9			23,8	23	22	20,5	18	15				
KDN 40-160/145		27,5			27,4	27	25,7	24,2	22,1	19,5				
KDN 40-160/153		31,1			31	30,5	29,5	28	26,5	24	21			
KDN 40-160/161		34,5			34,5	34,4	33,7	32,3	30,5	28,5	25,8	22,5		
KDN 40-160/169		38,4			38,4	38,2	38	37	35	33,5	31	28		
KDN 40-160/177		42,6			42,5	42,4	42	41,5	40	38,5	35	33	30	
KDN 40-200/170		33,6			33	32,6	32	30	26,5	22,5				
KDN 40-200/180		38,8			38,5	38	37	35	32,5	29	25			
KDN 40-200/190		43,4			43,1	43	42,7	41	38	35	31,5	27		
KDN 40-200/200		48,7			48,4	48,2	47,5	46,5	44	41,5	38,5	34,5		
KDN 40-200/210		54,3			54,1	54	53,6	53	51	48,5	46	42,5	38	
KDN 40-200/219		60			59,8	59,7	59,4	59	57	55	52,5	49,5	46	40
KDN 40-250/220		63,1			62,8	62,5	61	59	57	55	52	48		
KDN 40-250/230		69,5			69,3	68,5	67,8	66	63,5	61	58	55	51	
KDN 40-250/240		76,3			76	75,8	75	73	70,5	68	65	62	58,5	
KDN 40-250/250		82,8			82,5	82	81,8	80	78	75,5	72,5	69	66	
KDN 40-250/260		91			90,5	90	89,5	88,5	86,5	84	81	78	74	

KDN - 2 POLES

STANDARDISED PUMPS

SELECTION TABLE - KDN 50

MODEL	Q=m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114
	Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900
KDN 50-125/115	H (m)	17,1					15,9	15,5	15	14,3	13,6	13	12,2	11,5	10,4	9			
KDN 50-125/120		18,2					17,5	17	16,5	16	15,3	14,7	14	13,2	12	11,2	10		
KDN 50-125/125		19,8					19,4	19	18,5	17,9	17,4	16,6	16	15,1	14	13	11,8		
KDN 50-125/130		21,5					21,1	20,8	20,5	19,8	19,2	18,5	17,8	17	16,5	15,2	14		
KDN 50-125/135		23,2					23	22,6	22,3	21,8	21,2	20,6	19,9	19,3	18,4	17,5	16,3	13,7	
KDN 50-125/139		24,7					24,5	24,3	24	23,5	23	22,4	21,6	20,8	20	19,2	18	15,5	
KDN 50-125/144		25,9					26,5	26,4	26,1	25,6	25,1	24,5	24	23,2	22,3	21,5	20,5	17,8	15
KDN 50-160/137		24,2					23,8	23,7	23,5	22,5	22	21	20,3	19	18	16,8	15		
KDN 50-160/145		27,2					27	26,9	26,6	26,4	25,5	25	23,8	23	21,5	20,5	19		
KDN 50-160/153		30,3					30,3	30,2	30	29,9	29,5	28,5	27,7	26,5	25,5	24,5	23		
KDN 50-160/161		33,8					33,7	33,7	33,6	33,6	33,3	32,5	31,8	31	29,8	28,5	27,5		
KDN 50-160/169		37,7					37,7	37,5	37,5	37,4	37	36,2	35,7	35,5	34,2	33	31,5	29	
KDN 50-160/177		41,6					41,5	41,5	41,3	41,2	41	40,6	40,5	39,5	38,8	38	36,7	33,5	
KDN 50-200/170		37,9					37	36,8	36,4	35	34	32	30	27	25				
KDN 50-200/180		42,5					42	41,7	41,4	40,5	39,5	38	36	34	32	29			
KDN 50-200/190		47,2					46,8	46,6	46	45,7	44,5	43,5	42	40	38	35,5	33		
KDN 50-200/200		52,4					52,2	52	18	51,5	50,5	49	47,5	46	44,5	42	40		
KDN 50-200/210		58,4					58,4	58,2	58	57,5	56,5	55,5	54	52,5	51	49	46,5	41,5	
KDN 50-200/219		64					64	64	64	63,5	62,5	61,5	60	58,5	57	55	53	48,5	
KDN 50-250/220		63,7					63,3	63,1	63	62	61	59	57,5	55	53	50	46,5	36	
KDN 50-250/230		69,6					69,3	69	68,8	68,5	68	66	64	62	60	57	54	45	
KDN 50-250/240		76					75,8	75,5	75,3	75	74,5	73	71,5	69	67	65	62	55	
KDN 50-250/250		83,2					83	82,9	82,8	83,5	82	80,5	78,5	77	75	72,5	70	64	
KDN 50-250/263		92,1					92	91,8	91,6	91,5	91,3	89,9	88,5	86,5	84,5	82,5	80	75	61

KDN - 2 POLES

STANDARDISED PUMPS

SELECTION TABLE - KDN 65

MODEL	Q=m³/h	0	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240
	Q=l/min	0	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000
KDN 65-125/120/110	H (m)	16	14,4	14	13,6	13,1	12,8	12,2	11,9	11,4	10,2	8,7	8				
KDN 65-125/120		17,8	16	15,8	15,3	17,9	14,4	13,9	13,4	13	11,5	10,3	9,4				
KDN 65-125/125		19,4	17,8	17,5	17,1	16,8	16,4	16	15,4	15	13,5	12,2	11,4				
KDN 65-125/130		21	19,6	19,5	19,1	18,9	18,5	18	17,5	17	15,7	14,2	13,2				
KDN 65-125/135		22,6	21,8	21,5	21,3	21	20,5	20,1	19,6	19,2	18	16,5	15,6				
KDN 65-125/140		24	23,6	23,6	23,4	23	22,8	22,3	22	21,4	20,3	18,9	18	13,8			
KDN 65-125/144		25,6	25,5	25,4	25,2	25	24,6	24,3	24	23,4	22,5	21,1	20,2	16			
KDN 65-160/137		23,1	22,4	22	21,7	21,3	20,5	19,7	19	18	16						
KDN 65-160/145		26,2	25,7	25,5	25	24,6	24	23,5	22,7	22	20	17,8	16,5				
KDN 65-160/153		29,1	28,8	28,5	28,6	28,5	28	27,5	26,6	26	24	22	21				
KDN 65-160/161		32,6	32,5	32,4	32,3	32	31,7	31,3	30,5	30	28,5	26,5	25,5				
KDN 65-160/169		36,4	36,3	36,2	36,1	36	35,7	35,3	34,7	34	32,7	31	30				
KDN 65-160/177		40,1	39,9	39,8	39,7	40	39,8	39,5	39	38,5	37,2	35,5	34,7	28,5			
KDN 65-200/170		37,2	36,8	36,7	36,6	36,5	36	35	34	32,5	30	27	25				
KDN 65-200/180		41,7	41,4	41,3	41,2	41,1	41	40,5	40	39	36,5	34	32				
KDN 65-200/190		48,3	48,2	48,1	48	47,9	47,5	47	41	45	43	40,5	39				
KDN 65-200/200		53,2	53,1	52,9	52,8	52,7	52,5	52,3	52	51,8	50	48	46,5				
KDN 65-200/210		59,2	59,1	59	58,9	58,8	58,7	58,5	58,2	58	56,5	54,5	53,5				
KDN 65-200/219		64,9	64,9	64,8	64,5	64,3	64,1	64	63,8	62,5	62,4	61	60	52,5			
KDN 65-250/220		63,2	62,8	62,5	62	61	60	59,5	58	57	54	50,5	48				
KDN 65-250/230		69,5	69,5	69	68,5	68	67	66	65	64	63	58,5	56,5				
KDN 65-250/240		76	75,7	75,5	75	75	74	73	72	71	69	66	64				
KDN 65-250/250		83	82,3	82,3	82,2	82	81,5	81	80	79	76,5	73,5	72	60			
KDN 65-250/263		92,6	91,8	91,8	91,7	91,5	91,5	91	90	89,5	87,5	85	83	72,5			
KDN 65-315/260		92,8				92,7	91,9	90,9	89,7	88,5	85,5	81,9	79,9	67,8			
KDN 65-315/275		105				104,5	103,9	103,1	102,1	101,1	98,5	95,5	93,8	83,3	69,5		
KDN 65-315/290		117,1				117	116,5	115,9	115,1	114,3	112,2	109,7	108,3	99,4	87,6		
KDN 65-315/305		130				129,5	129,2	128,7	128	127,3	125,5	123,2	121,9	113,8	103	89,6	
KDN 65-315/320		143				142,9	142,6	142,1	171,6	140,9	139,3	137,3	136,2	128,9	119,1	106,8	92

KDN - 2 POLES

STANDARDISED PUMPS

SELECTION TABLE - KDN 80

MODEL	Q=m³/h	0	90	102	114	120	150	180	210	240	270	300
	Q=l/min	0	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000
KDN 80-160/147/127	H (m)	23	21,5	20,7	20	19,5	17	14,5	11,8	8,8		
KDN 80-160/153/136		25,6	24,5	23,8	23	22,5	20,2	17,5	15	11,8		
KDN 80-160/153		29,3	28	27,3	26,5	26	23,5	20,7	16,5	14,5		
KDN 80-160/161		32,8	32	31,5	30,5	30	27,8	25	21,5	18,5		
KDN 80-160/169		36,5	35,7	35,2	34,5	34,2	32	29,5	26,5	22,6	18,5	
KDN 80-160/177		40	39,5	39,2	38,7	38,5	37	34,8	31,8	27,8	23	
KDN 80-200/170		36,6	35,7	35,5	34,5	34	31	27	21,5			
KDN 80-200/180		41	40,6	40,5	40	39,5	37	33	27,5			
KDN 80-200/190		45,7	45,4	45	44,5	44	42	29	34			
KDN 80-200/200		50,8	50,4	50,2	50	49,6	49	46,5	41	35		
KDN 80-200/210		56,3	55,9	55,8	55,7	55,6	54,8	52	48	43		
KDN 80-200/222		63,6	63,4	63,3	63,2	63,1	63	60	56,5	51,5	45	
KDN 80-250/220		62,6	62,5	62,4	62	61,8	60	55,5	49			
KDN 80-250/230		68,3	68,2	68,1	67,9	67,9	67	63	57	50		
KDN 80-250/240		75,5	75,4	75,3	75,2	75	74,5	71	66,5	58,5		
KDN 80-250/250		82,5	82,3	82	81,9	81,7	82	78,5	74	67,5	60,5	
KDN 80-250/260		90	89,7	89,6	86,5	89,3	89	86,5	82	77	70	61,5
KDN 80-250/270		97,9	97,8	97,5	91,3	97	96,3	94	89	84	77	69
KDN 80-315/275		106	106,1	105,3	104,3	103,7	99,4	93,4	85,6	76		
KDN 80-315/290		118	118,4	117,8	117,1	116,6	113,2	108,2	101,5	93,2	83,4	

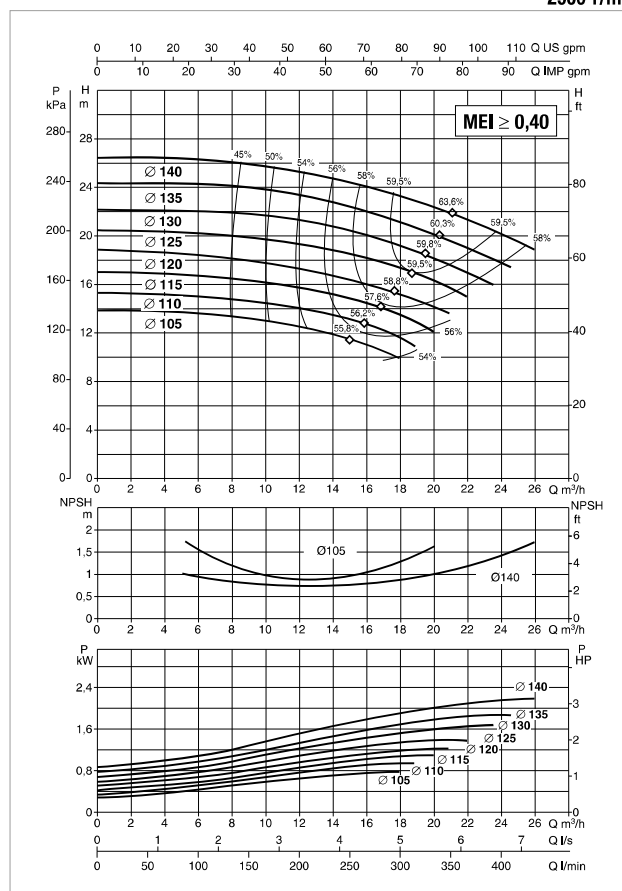
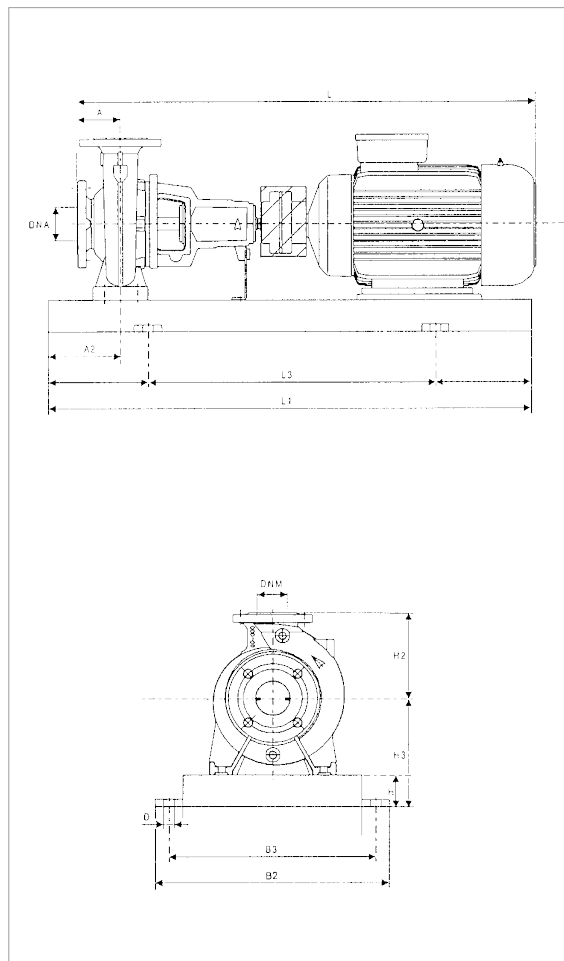
SELECTION TABLE - KDN 100

MODEL	Q=m³/h	0	150	180	210	240	270	300	330	360	390	420
	Q=l/min	0	2500	3000	3500	4000	4500	4500	5500	6000	6500	7000
KDN 100-200/180	H (m)	40,4	40	38	36	33	30,5	28	25			
KDN 100-200/190		46,5	45	44	42	39	37	34,5	31	28		
KDN 100-200/200		51,5	51	50	48,5	46	44	42	39	35	31,5	
KDN 100-200/210		57,5	57	56	55	53	51	49	46	43	39	36
KDN 100-200/219		64	62,5	62	61	60	58	56	53	50	47	43
KDN 100-250/220		61,1	60	59,5	57	54	50,5	46,5	42			
KDN 100-250/230		67,4	66,9	66,5	64	61	58	54	49	44		
KDN 100-250/240		73,5	72,9	71	70,5	69	66	63	58,5	53		
KDN 100-250/250		79,7	79,5	79	78,8	77	74	71	67	62,5		
KDN 100-250/260		88,6	88,2	88,1	88	86	83	79,5	76	71,5	66	

KDN 32-125.1 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 32-125.1	0,75	MEC 80	3 x 230 - 400 V ~	2,9/1,7	E3
	1,1	MEC 80	3 x 230 - 400 V ~	4,2/2,4	E3
	1,5	MEC 90S	3 x 230 - 400 V ~	5,2/3	E3
	2,2	MEC 90L	3 x 230 - 400 V ~	8/4,6	E3
	3	MEC 100L	3 x 400 V ~ ¹	5,6	E3
	4	MEC 112M	3 x 400 V ~ ¹	7	E3

¹ Star start-up possible (Δ)

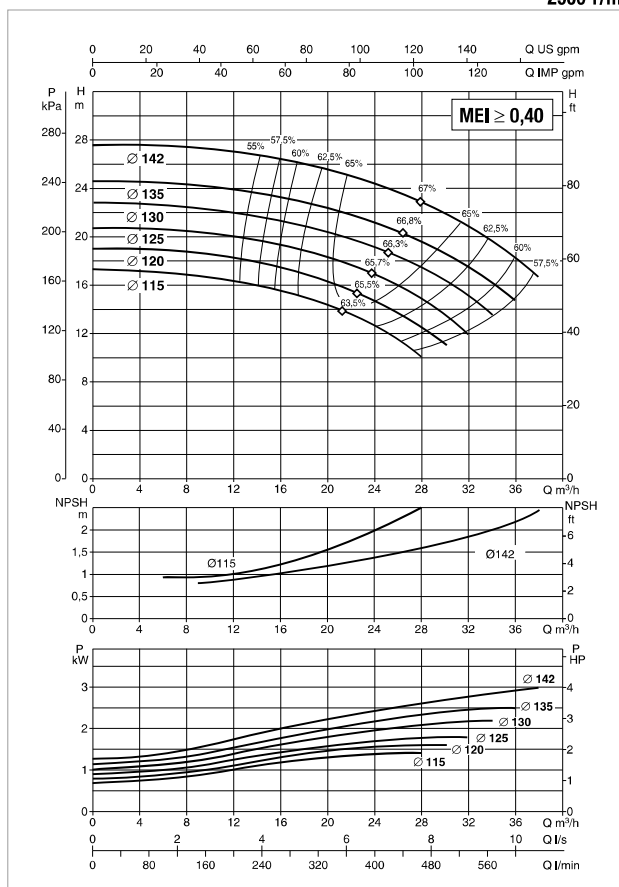
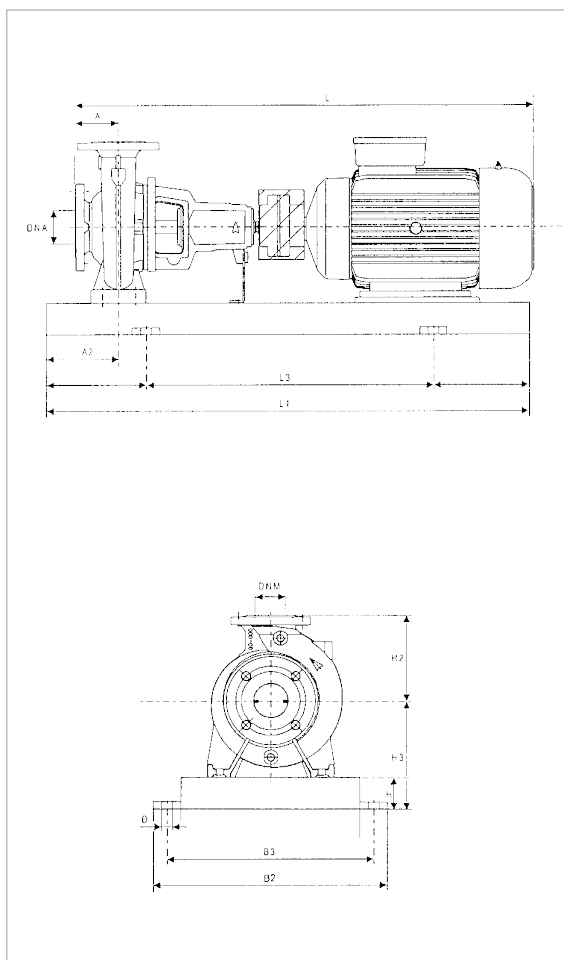
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 32-125.1	0,75	80	60	140	65	177	800	540	360	320	19	50	32	717	79	817	84
	1,1	80	60	140	65	177	800	540	360	320	19	50	32	717	79	817	84
	1,5	80	60	140	65	177	800	540	360	320	19	50	32	762	87	862	92
	2,2	80	60	140	65	177	900	600	390	350	19	50	32	762	92	862	97
	3	80	60	140	65	177	900	600	390	350	19	50	32	811	91	911	96
	4	80	60	140	65	177	900	600	390	350	19	50	32	833	84	933	89

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 32-125 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 32-125	1,1	MEC 80	3 x 230 - 400 V ~	4,2/2,4	IE3
	1,5	MEC 90S	3 x 230 - 400 V ~	5,2/3	IE3
	2,2	MEC 90L	3 x 230 - 400 V ~	8/4,6	IE3
	3	MEC 100L	3 x 400 V ~ ¹	5,6	IE3
	4	MEC 112M	3 x 400 V ~ ¹	7	IE3

¹ Star start-up possible (Δ)

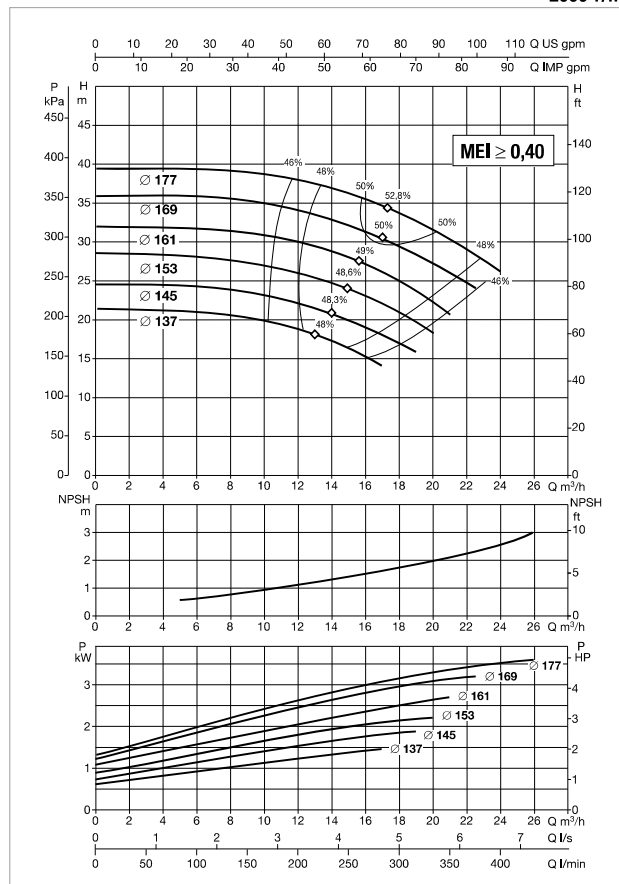
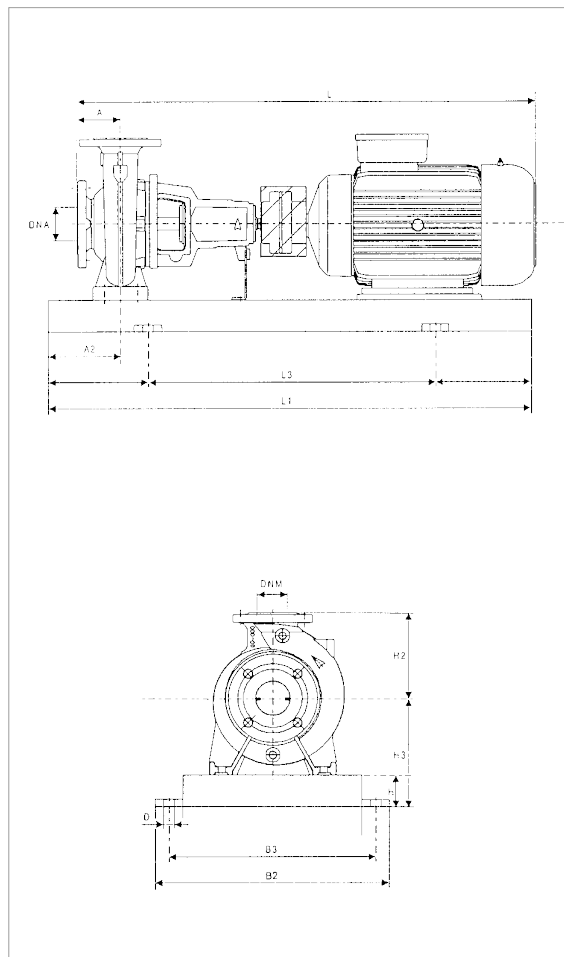
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 32-125	1,1	80	60	140	65	177	800	540	360	320	19	50	32	717	78	817	83
	1.5	80	60	140	65	177	800	540	360	320	19	50	32	762	80	862	85
	2,2	80	60	140	65	177	900	600	390	350	19	50	32	762	85	862	90
	3	80	60	140	65	177	900	600	390	350	19	50	32	811	85	911	90
	4	80	60	140	65	177	900	600	390	350	19	50	32	833	99	933	104

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 32-160.1 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 32-160.1	1,1	MEC 80	3 x 230 - 400 V ~	4,2/2,4	IE3
	1,5	MEC 90S	3 x 230 - 400 V ~	5,2/3	IE3
	2,2	MEC 90L	3 x 230 - 400 V ~	8/4,6	IE3
	3	MEC 100L	3 x 400 V ~ ¹	5,6	IE3
	4	MEC 112M	3 x 400 V ~ ¹	7	IE3
	5,5	MEC 132S	3 x 400 V ~ ¹	10	IE3

¹ Star start-up possible (Δ)

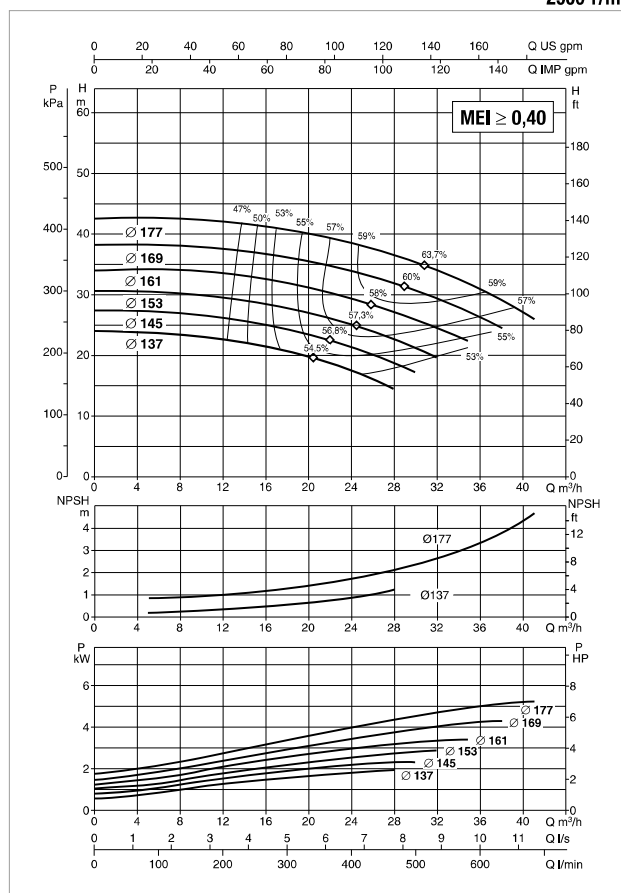
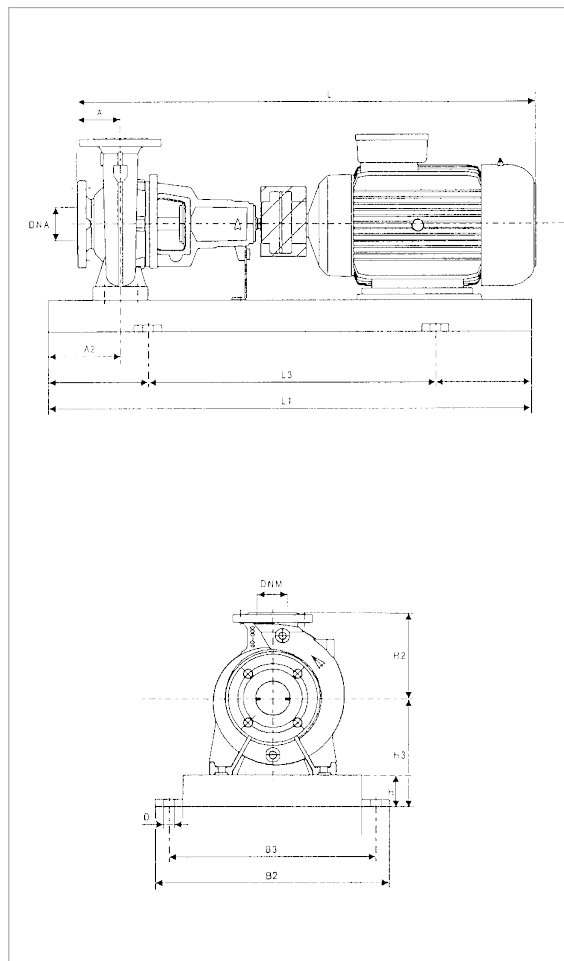
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 32-160.1	1,1	80	60	160	65	197	800	540	360	320	19	50	32	717	81	817	86
	1,5	80	60	160	65	197	800	540	360	320	19	50	32	762	88	862	93
	2,2	80	60	160	65	197	900	600	390	350	19	50	32	762	94	862	99
	3	80	60	160	65	197	900	600	390	350	19	50	32	811	91	911	96
	4	80	60	160	65	197	900	600	390	350	19	50	32	833	86	933	91
	5,5	80	60	160	80	212	1000	660	450	400	24	50	32	890	117	990	122

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 32-160 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 32-160	2,2	MEC 90L	3 x 230 - 400 V ~	8/4,6	IE3
	3	MEC 100L	3 x 400 V ~ ¹	5,6	IE3
	4	MEC 112M	3 x 400 V ~ ¹	7	IE3
	5,5	MEC 132S	3 x 400 V ~ ¹	10	IE3
	7,5	MEC 132S	3 x 400 V ~ ¹	13,1	IE3

¹ Star start-up possible (Δ)

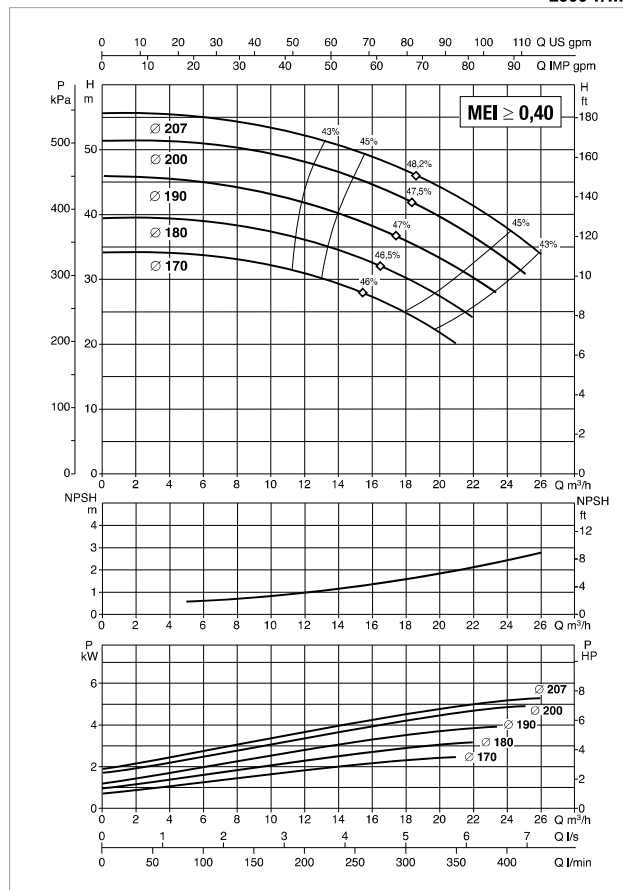
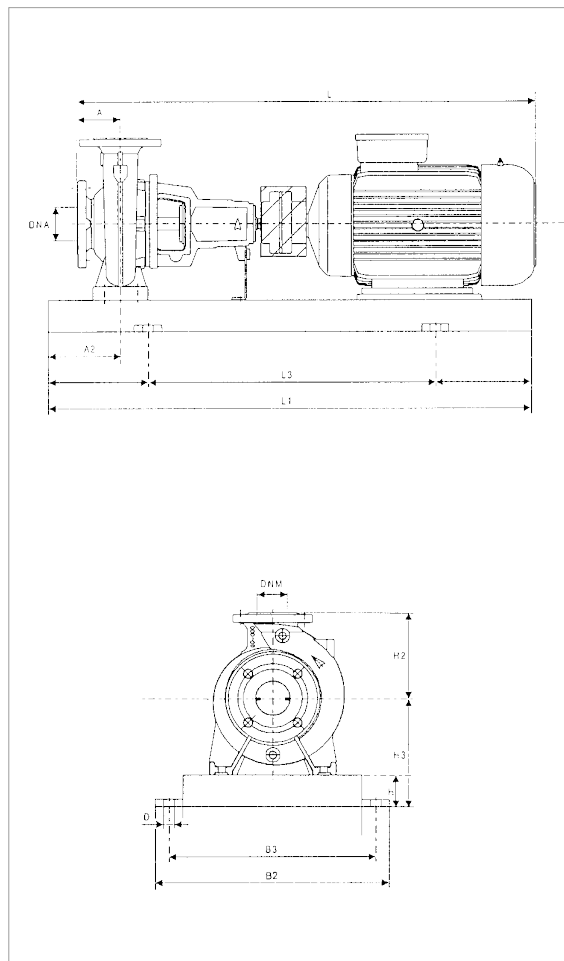
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 32-160	2,2	80	60	160	65	197	900	600	390	350	19	50	32	762	84	862	92
	3	80	60	160	65	197	900	600	390	350	19	50	32	811	91	911	96
	4	80	60	160	65	197	900	600	390	350	19	50	32	833	86	933	91
	5,5	80	60	160	80	212	1000	660	450	400	24	50	32	890	117	990	122
	7,5	80	60	160	80	212	1000	660	450	400	24	50	32	910	140	1010	118

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 32-200.1 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 32-200.1	2,2	MEC 90L	3 x 230 - 400 V ~	8/4,6	IE3
	3	MEC 100L	3 x 400 V ~ ¹	5,6	IE3
	4	MEC 112M	3 x 400 V ~ ¹	7	IE3
	5,5	MEC 132S	3 x 400 V ~ ¹	10	IE3
	7,5	MEC 132S	3 x 400 V ~ ¹	13,1	IE3

¹ Star start-up possible (Δ)

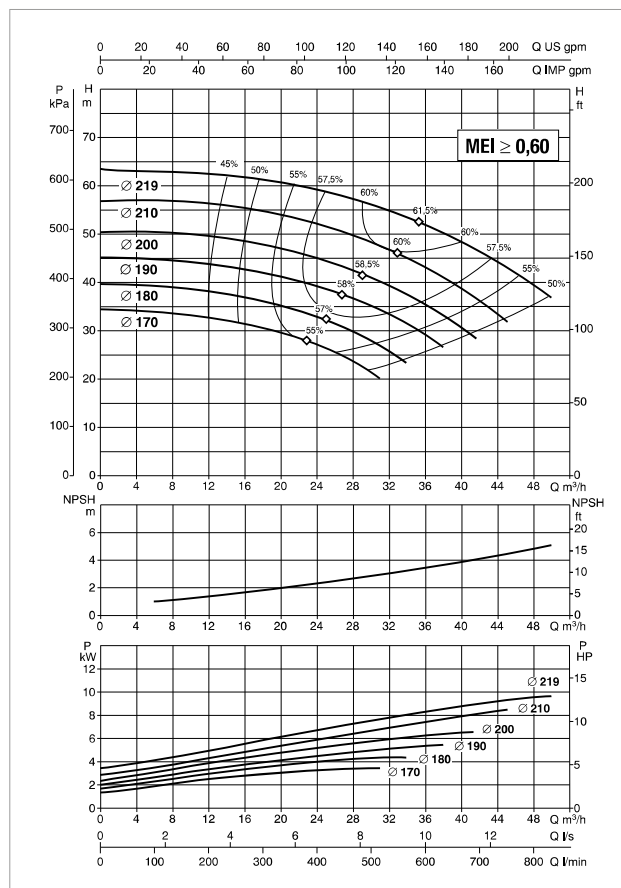
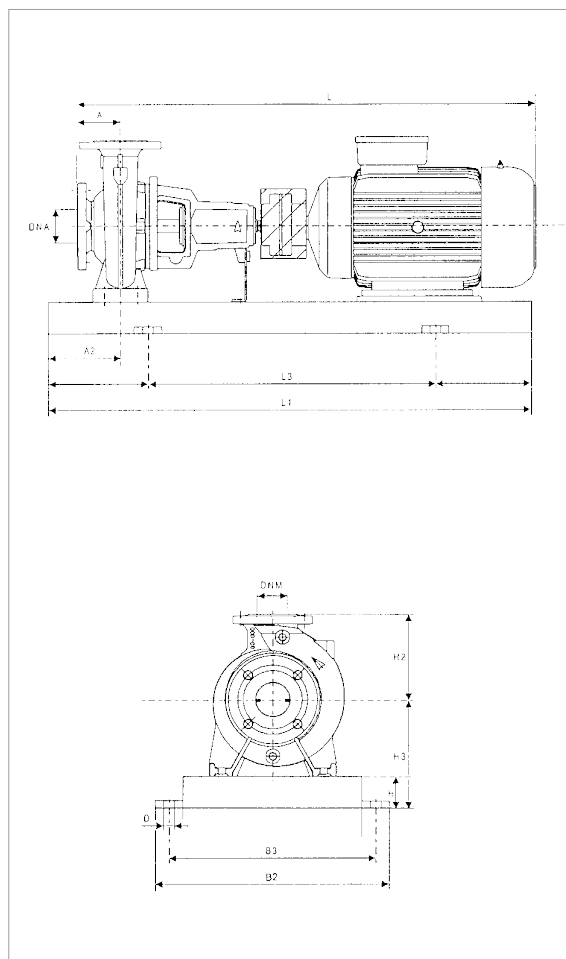
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 32-200.1	2,2	80	60	180	65	225	900	600	390	350	19	50	32	762	98	862	103
	3	80	60	180	65	225	900	600	390	350	19	50	32	811	129	911	134
	4	80	60	180	65	225	900	600	390	350	19	50	32	833	125	933	130
	5,5	80	60	180	80	240	1000	660	450	400	24	50	32	890	124	990	129
	7,5	80	60	180	80	240	1000	660	450	400	24	50	32	910	925 140	1010 1010	145 145

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 32-200 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 32-200	3	MEC 100L	3 x 400 V ~ 1	5,6	E3
	4	MEC 112M	3 x 400 V ~ 1	7	E3
	5,5	MEC 132S	3 x 400 V ~ 1	10	E3
	7,5	MEC 132S	3 x 400 V ~ 1	13,1	E3
	11	MEC 160M	3 x 400 V ~ 1	19,7	E3
	15	MEC 160M	3 x 400 V ~ 1	26,7	E3

¹ Star start-up possible (A)

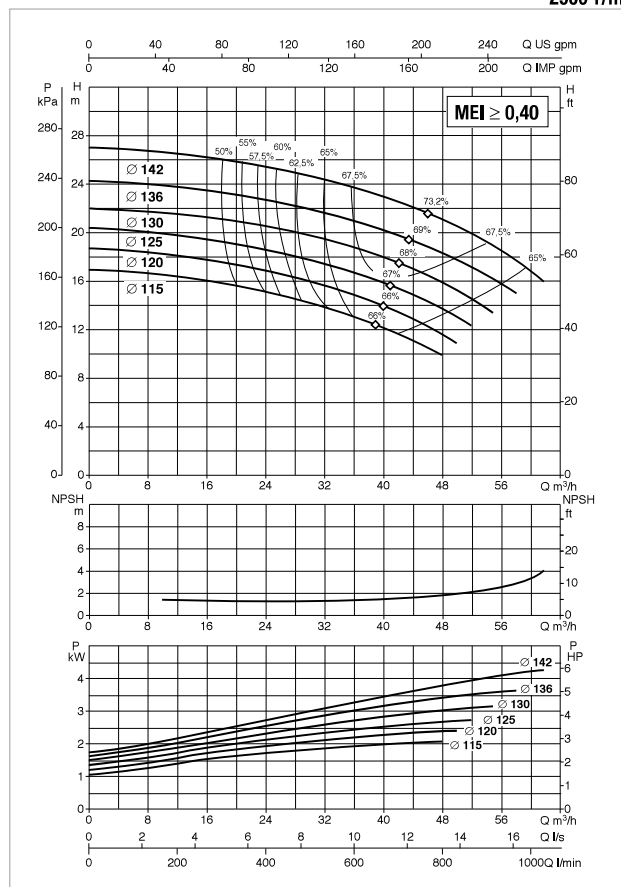
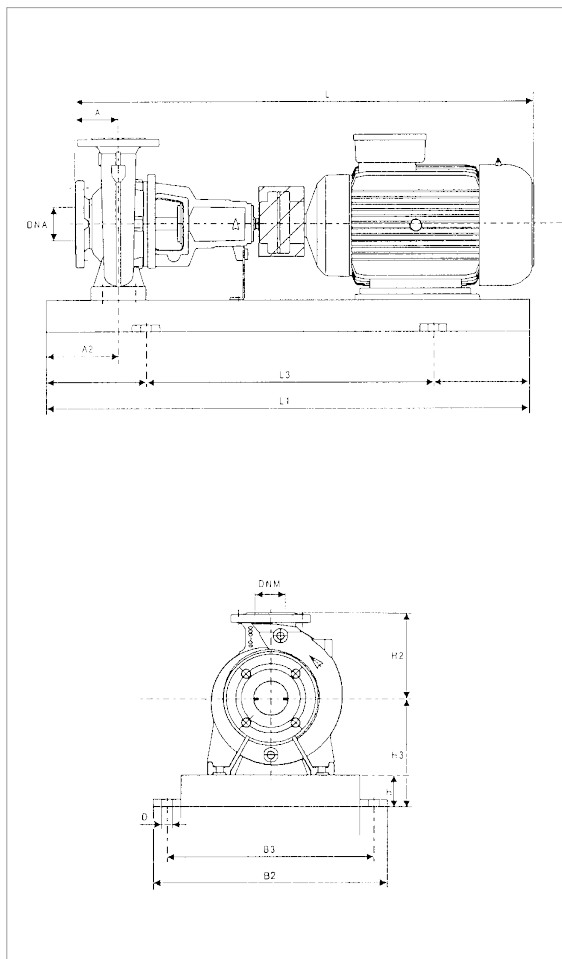
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 32-200	3	80	60	180	65	225	900	600	390	350	19	50	32	811	92	911	97
	4	80	60	180	65	225	900	600	390	350	19	50	32	833	86	933	91
	5,5	80	60	180	80	240	1000	660	450	400	24	50	32	890	124	990	129
	7,5	80	60	180	80	240	1000	660	450	400	24	50	32	910	151	1010	156
	11	80	60	180	80	240	1120	740	490	440	24	50	32	1053	214	1153	219
	15	80	60	180	80	240	1120	740	490	440	24	50	32	1053	221	1153	226

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 40-125 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 40-125	1,5	MEC 90S	3 x 230 - 400 V ~	5,2/3	IE3
	2,2	MEC 90L	3 x 230 - 400 V ~	8/4,6	IE3
	3	MEC 100L	3 x 400 V ~ ¹	5,6	IE3
	4	MEC 112M	3 x 400 V ~ ¹	7	IE3
	5,5	MEC 132S	3 x 400 V ~ ¹	10	IE3
	7,5	MEC 132S	3 x 400 V ~ ¹	13,1	IE3

¹ Star start-up possible (Δ)

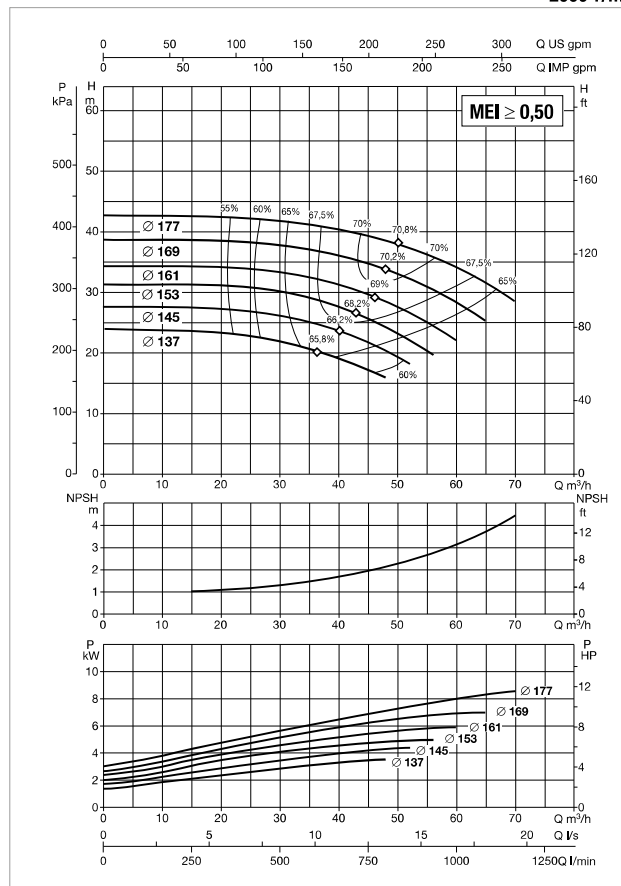
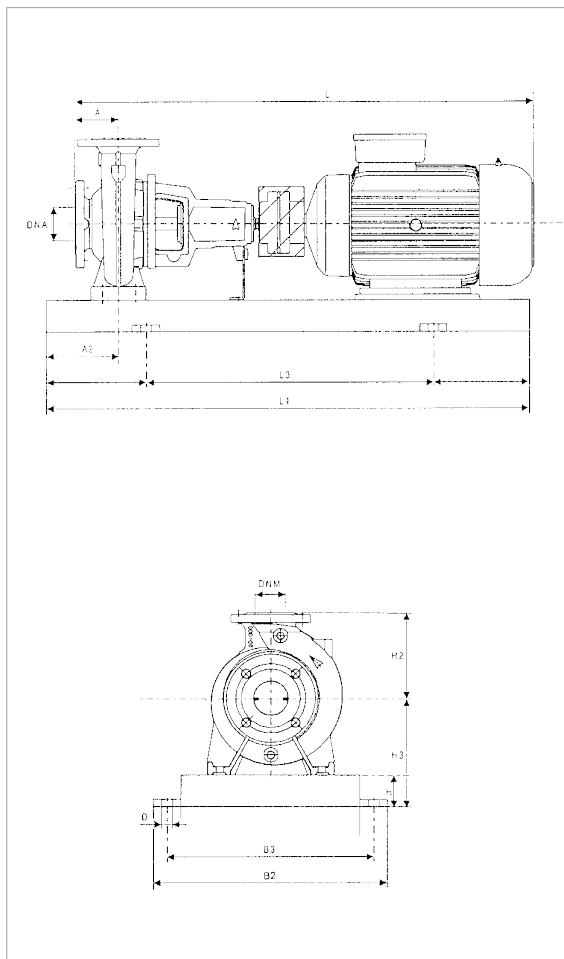
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 40-125	1,5	80	60	140	65	177	800	540	360	320	19	65	40	762	80	862	85
	2,2	80	60	140	65	177	900	600	390	350	19	65	40	762	83	862	88
	3	80	60	140	65	177	900	600	390	350	19	65	40	811	80	911	85
	4	80	60	140	65	177	900	600	390	350	19	65	40	833	84	933	89
	5,5	80	60	140	80	212	1000	660	450	400	24	65	40	890	115	990	120
	7,5	80	60	140	80	212	1000	600	450	400	24	65	40	910	925 111	1010 1010	116 116

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 40-160 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 40-160	3	MEC 100L	3 x 400 V ~ 1	5,6	IE3
	4	MEC 112M	3 x 400 V ~ 1	7	IE3
	5,5	MEC 132S	3 x 400 V ~ 1	10	IE3
	7,5	MEC 132S	3 x 400 V ~ 1	13,1	IE3
	11	MEC 160M	3 x 400 V ~ 1	19,7	IE3
	15	MEC 160M	3 x 400 V ~ 1	26,7	IE3

¹ Star start-up possible (Δ)

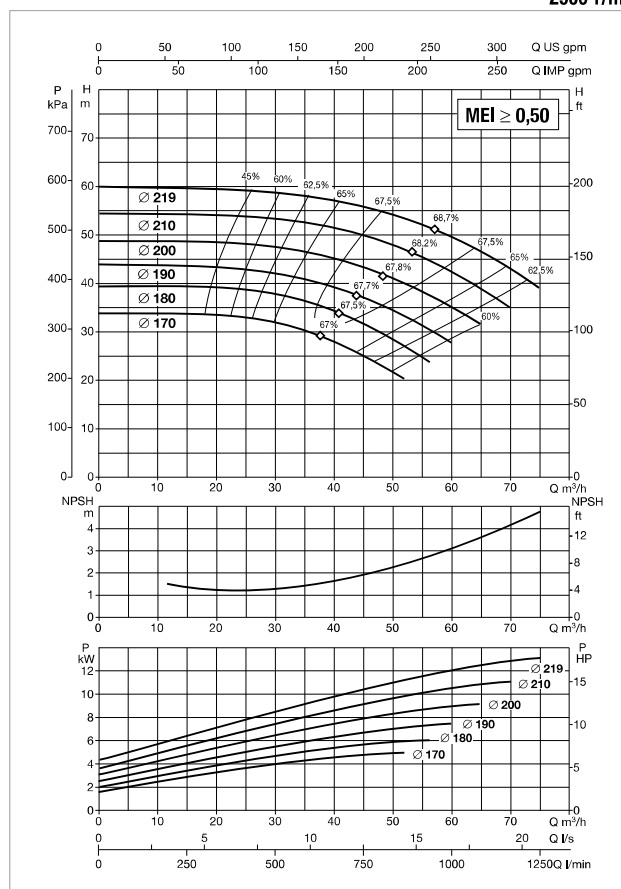
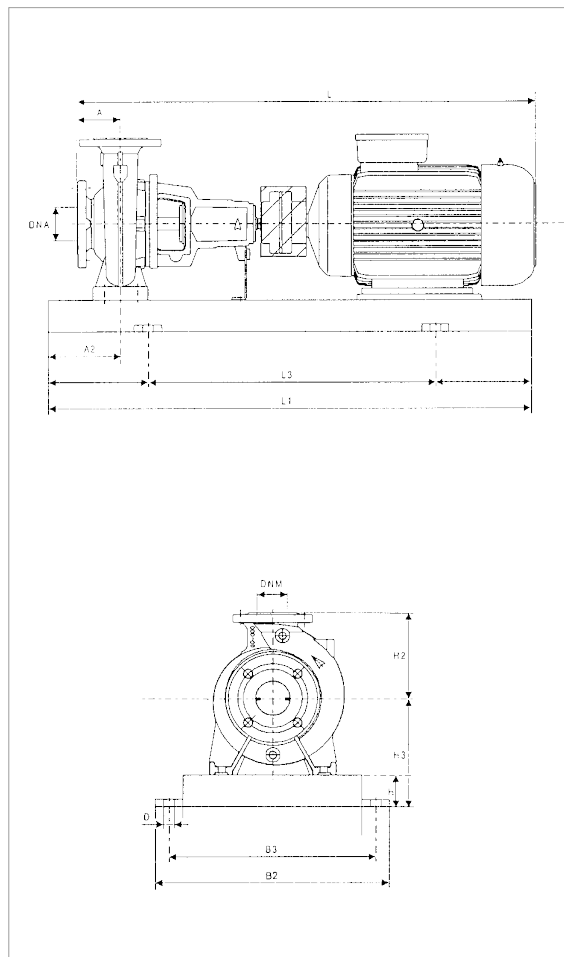
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 40-160	3	80	60	160	65	197	900	600	390	350	19	65	40	811	91	911	96
	4	80	60	160	65	197	900	600	390	350	19	65	40	833	86	933	91
	5,5	80	60	160	80	212	1000	660	450	400	24	65	40	890	141	990	146
	7,5	80	60	160	80	212	1000	660	450	400	24	65	40	910	139	1010	144
	11	80	60	160	80	240	1120	740	490	440	24	65	40	1053	150	1153	155
	15	80	60	160	80	240	1120	740	490	440	24	65	40	1053	146	1153	151

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 40-200 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 40-200	4	MEC 112M	3 x 400 V ~ 1	7	IE3
	5,5	MEC 132S	3 x 400 V ~ 1	10	IE3
	7,5	MEC 132S	3 x 400 V ~ 1	13,1	IE3
	11	MEC 160M	3 x 400 V ~ 1	19,7	IE3
	15	MEC 160M	3 x 400 V ~ 1	26,7	IE3
	18,5	MEC 160L	3 x 400 V ~ 1	33	IE3

¹ Star start-up possible (A)

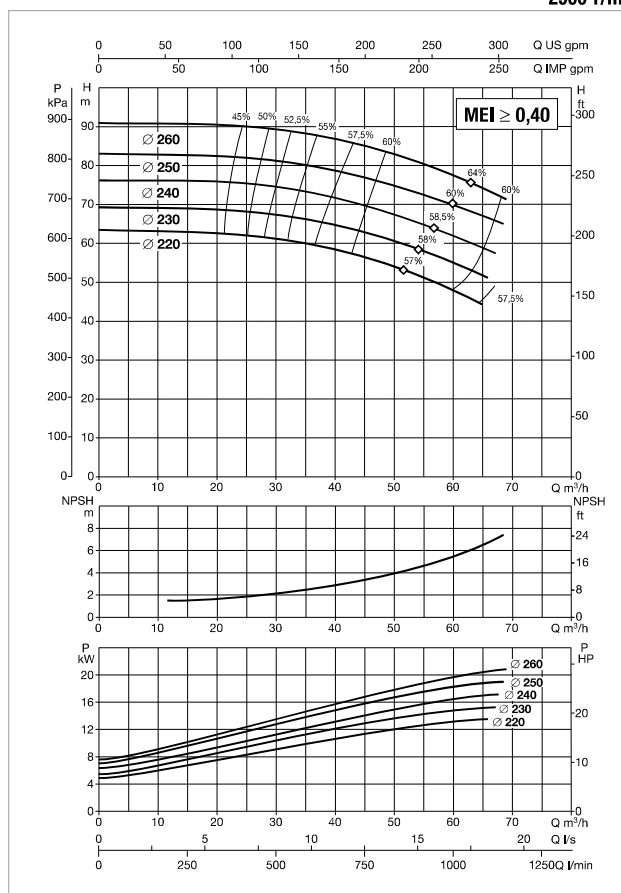
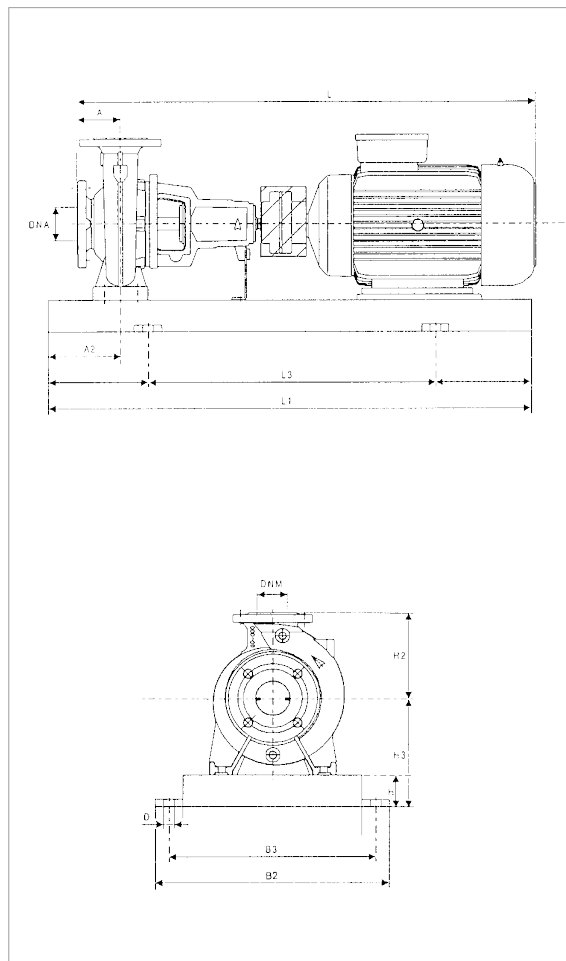
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 40-200	4	100	60	180	65	225	900	600	390	350	19	65	40	853	117	953	122
	5,5	100	60	180	80	240	1000	660	450	400	24	65	40	910	127	1010	132
	7,5	100	60	180	80	240	1000	660	450	400	24	65	40	930	121	1030	126
	11	100	60	180	80	240	1120	740	490	440	24	65	40	1073	198	1173	203
	15	100	60	180	80	240	1120	740	490	440	24	65	40	1073	204	1173	209
	18,5	100	60	180	80	240	1120	740	490	440	24	65	40	1117	199	1217	204

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 40-250 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 40-250	11	MEC 160M	3 x 400 V ~ 1	19,7	IE3
	15	MEC 160M	3 x 400 V ~ 1	26,7	IE3
	18,5	MEC 160L	3 x 400 V ~ 1	33	IE3
	22	MEC 180M	3 x 400 V ~ 1	38,1	IE3
	30	MEC 200L	3 x 400 V ~ 1	52,1	IE3

¹ Star start-up possible (A)

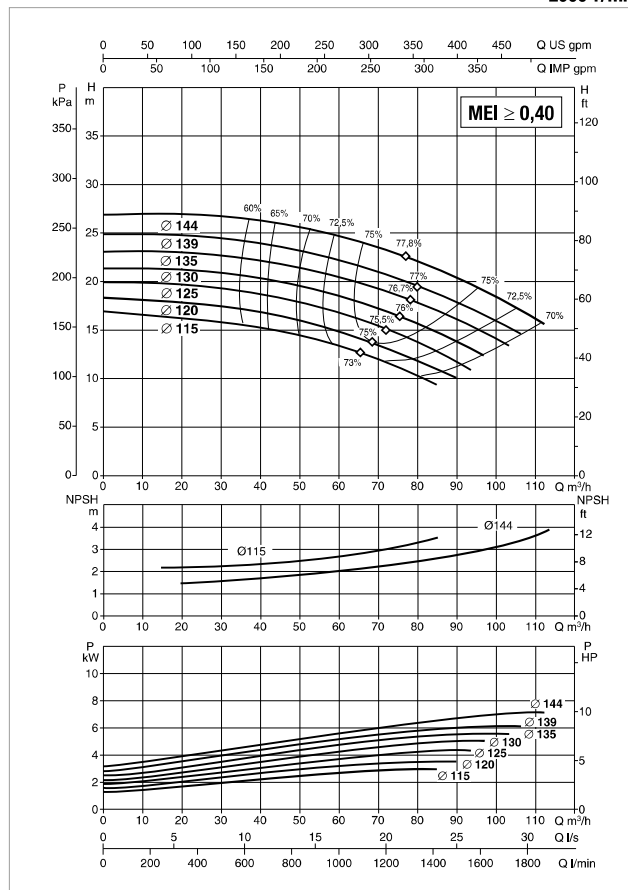
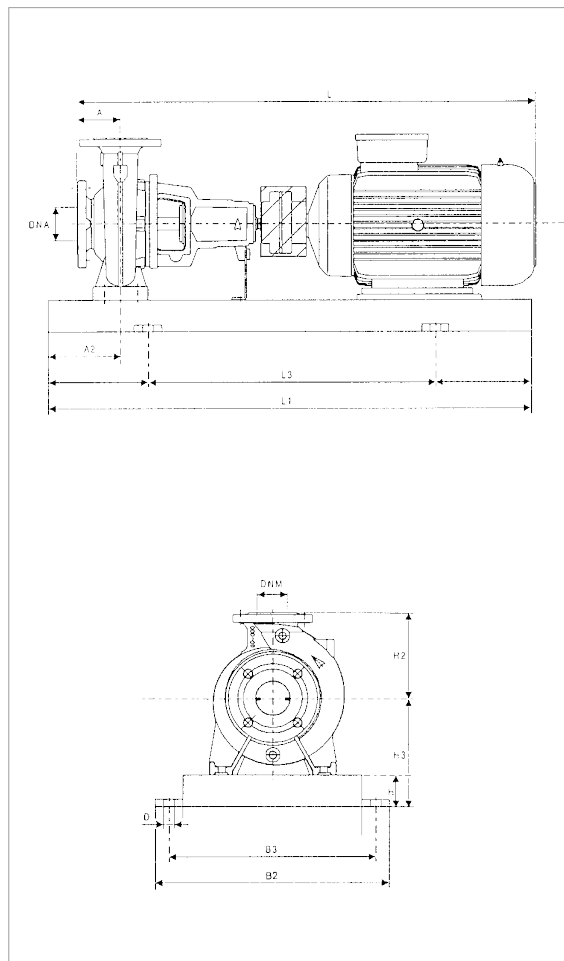
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 40-250	11	100	75	225	80	260	1250	840	540	490	24	65	40	1073	213	1173	218
	15	100	75	225	80	260	1250	840	540	490	24	65	40	1073	251	1173	256
	18,5	100	75	225	80	260	1250	840	540	490	24	65	40	1117	266	1217	271
	22	100	75	225	80	260	1250	840	540	490	24	65	40	1152	278	1252	283
	30	100	75	225	100	300	1400	940	610	550	28	65	40	1234	332	1334	337

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 50-125 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 50-125	3	MEC 100L	3 x 400 V ~ 1	5,6	E3
	4	MEC 112M	3 x 400 V ~ 1	7	E3
	5,5	MEC 132S	3 x 400 V ~ 1	10	E3
	7,5	MEC 132S	3 x 400 V ~ 1	13,1	E3
	11	MEC 160M	3 x 400 V ~ 1	19,7	E3

¹ Star start-up possible (Δ)

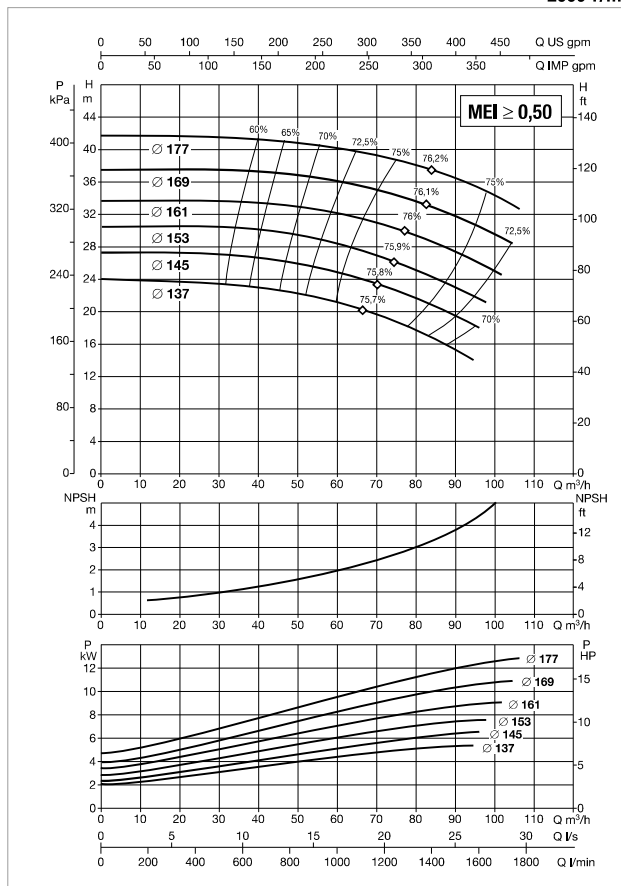
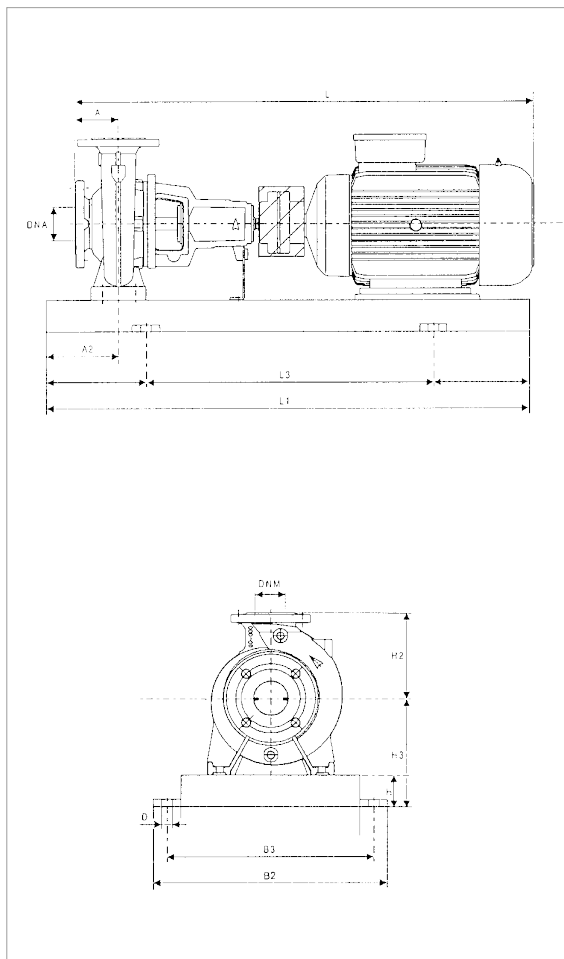
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 50-125	3	100	60	160	65	197	900	600	390	350	19	65	50	831	94	931	99
	4	100	60	160	65	197	900	600	390	350	19	65	50	853	91	953	96
	5,5	100	60	160	80	212	1000	660	450	400	24	65	50	910	143	1010	148
	7,5	100	60	160	80	212	1000	660	450	400	24	65	50	930	117	1030	122
	11	100	60	160	80	240	1120	740	490	400	24	65	50	1073	120	1173	125

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 50-160 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 50-160	4	MEC 112M	3 x 400 V ~ 1	7	IE3
	5,5	MEC 132S	3 x 400 V ~ 1	10	IE3
	7,5	MEC 132S	3 x 400 V ~ 1	13,1	IE3
	11	MEC 160M	3 x 400 V ~ 1	19,7	IE3
	15	MEC 160M	3 x 400 V ~ 1	26,7	IE3
	18,5	MEC 160L	3 x 400 V ~ 1	33	IE3

¹ Star start-up possible (Δ)

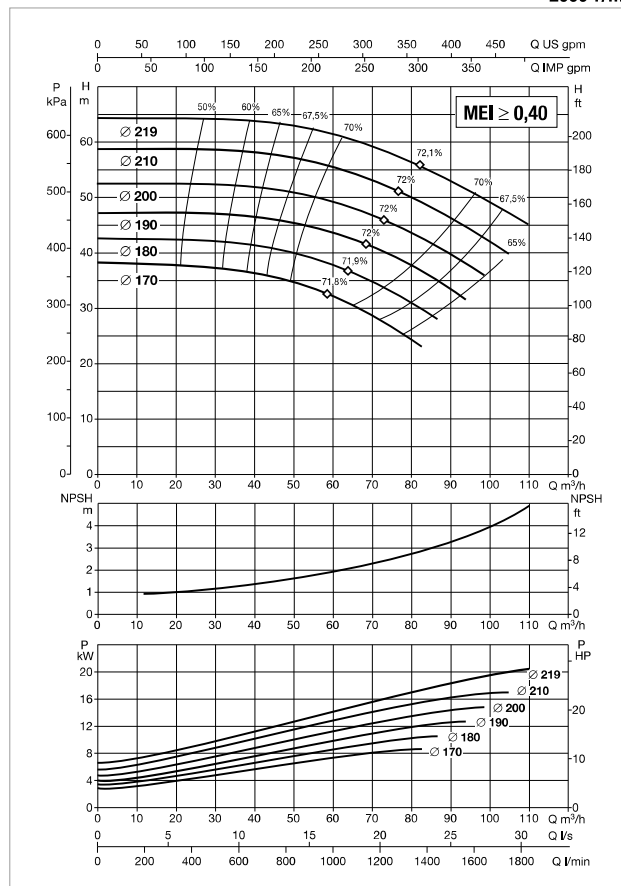
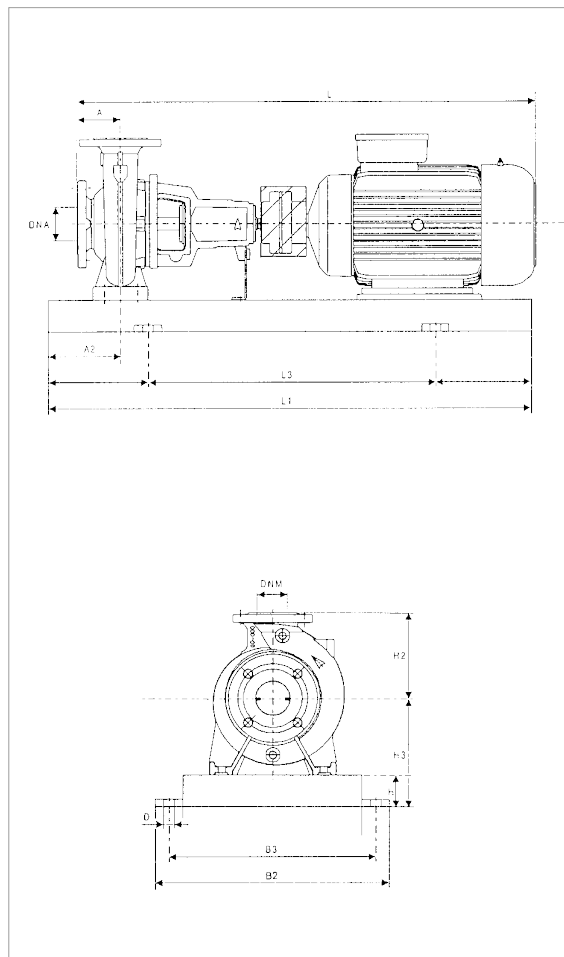
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 50-160	4	100	60	180	65	225	900	600	390	350	19	65	50	853	114	953	119
	5,5	100	60	180	80	240	1000	660	450	400	24	65	50	910	124	1010	129
	7,5	100	60	180	80	240	1000	660	450	400	24	65	50	930	151	1030	156
	11	100	60	180	80	240	1120	740	490	440	24	65	50	1073	165	1173	170
	15	100	60	180	80	240	1120	740	490	440	24	65	50	1073	173	1173	178
	18,5	100	60	180	80	240	1120	740	490	440	24	65	50	1117	170	1217	175

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 50-200 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 50-200	7,5	MEC 132S	3 x 400 V ~ 1	13,1	IE3
	11	MEC 160M	3 x 400 V ~ 1	19,7	IE3
	15	MEC 160M	3 x 400 V ~ 1	26,7	IE3
	18,5	MEC 160L	3 x 400 V ~ 1	33	IE3
	22	MEC 180M	3 x 400 V ~ 1	38,1	IE3
	30	MEC 200L	3 x 400 V ~ 1	52,1	IE3

¹ Star start-up possible (Δ)

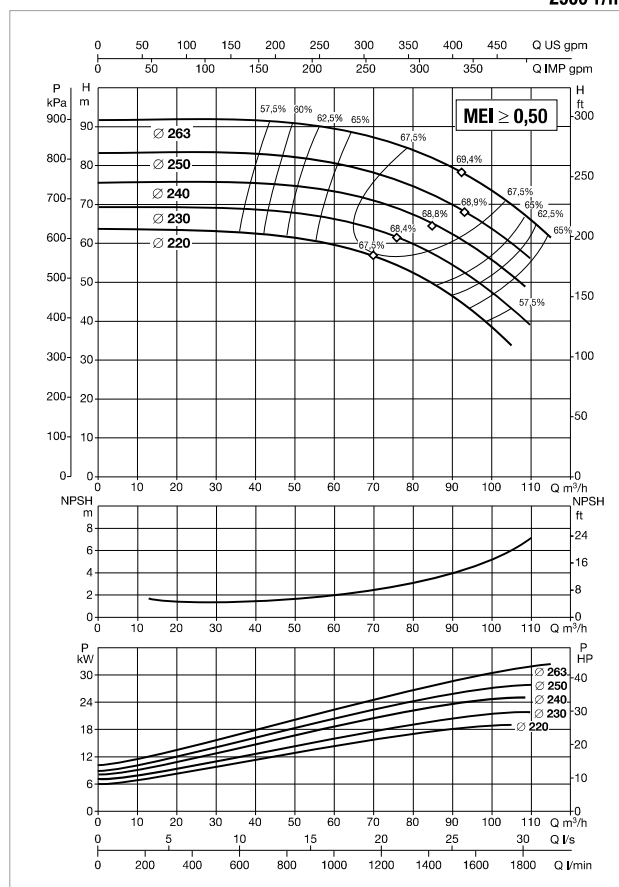
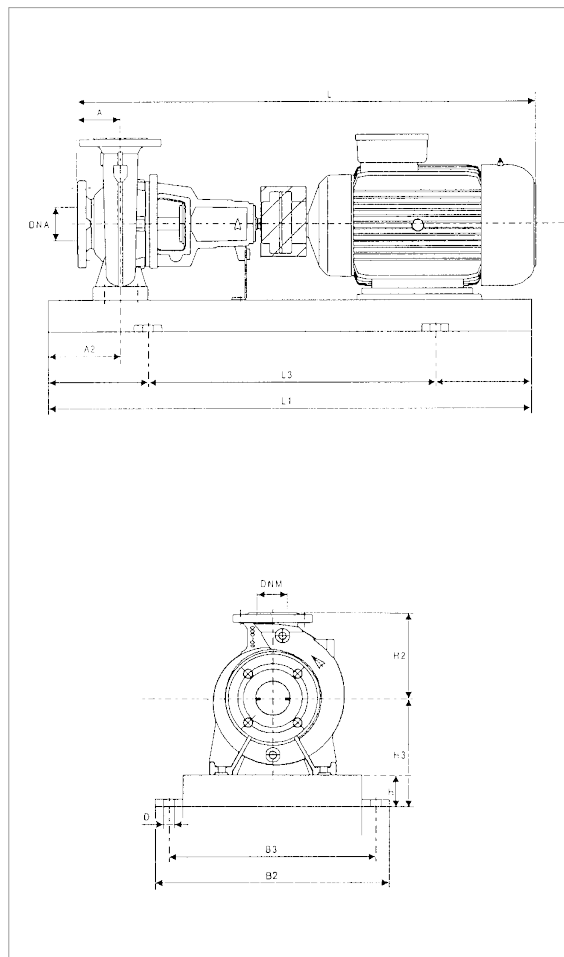
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 50-200	7,5	100	60	200	80	240	1000	600	450	400	24	65	50	930	150	1030	155
	11	100	60	200	80	240	1120	740	490	440	24	65	50	1073	163	1173	168
	15	100	60	200	80	240	1120	740	490	400	24	65	50	1073	253	1173	258
	18,5	100	60	200	80	240	1120	740	490	440	24	65	50	1117	251	1217	256
	22	100	60	200	80	260	1120	740	490	440	24	65	50	1152	248	1252	253
	30	100	60	200	80	280	1250	840	540	490	24	65	50	1234	302	1334	307

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 50-250 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 50-250	15	MEC 160M	3 x 400 V ~ 1	26,7	E3
	18,5	MEC 160L	3 x 400 V ~ 1	33	E3
	22	MEC 180M	3 x 400 V ~ 1	38,1	E3
	30	MEC 200L	3 x 400 V ~ 1	52,1	E3
	37	MEC 200L	3 x 400 V ~ 1	62,6	E3
	45	MEC 225M	3 x 400 V ~ 1	78,4	E3

¹ Star start-up possible (Δ)

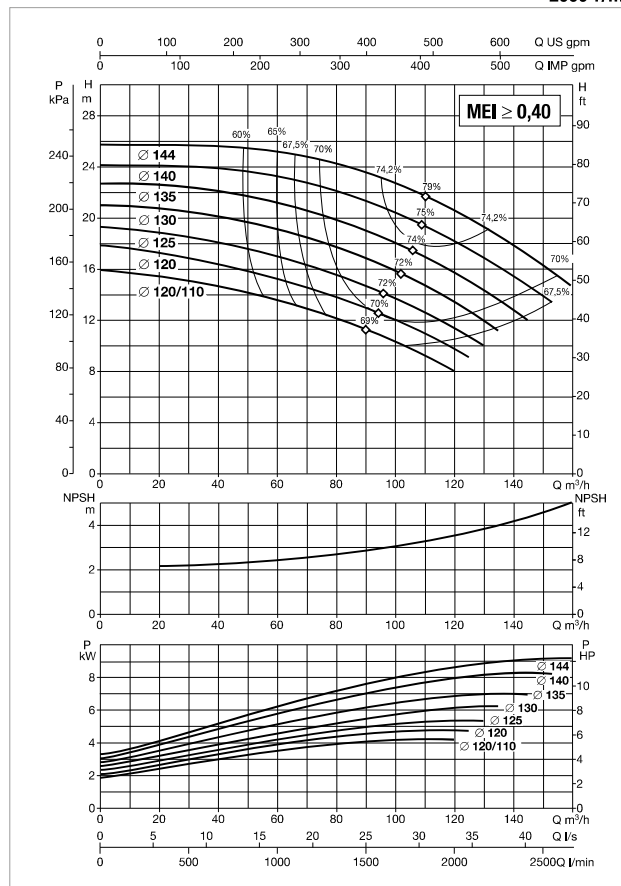
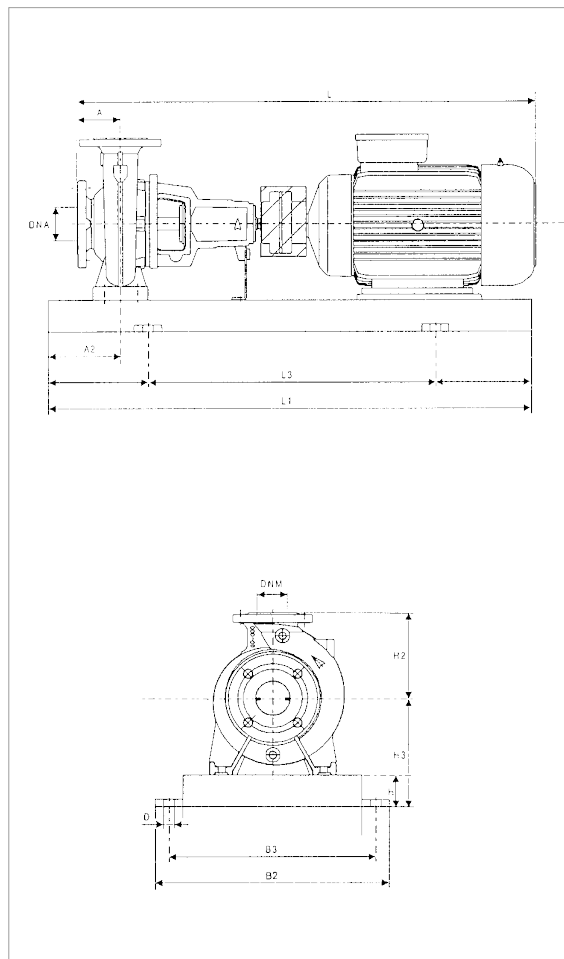
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 50-250	15	100	75	225	80	260	1250	840	540	490	24	65	50	1073	233	1173	238
	18.5	100	75	225	80	260	1250	840	540	490	24	65	50	1117	257	1217	262
	22	100	75	225	80	260	1250	840	540	490	24	65	50	1152	277	1252	282
	30	100	75	225	100	300	1400	940	610	550	28	65	50	1234	419	1334	424
	37	100	75	225	100	300	1400	940	610	550	28	65	50	1234	358	1334	363
	45	100	75	225	100	325	1400	940	610	550	28	65	50	1270	413	1370	418

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 65-125 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 65-125	4	MEC 112M	3 x 400 V ~ 1	7	IE3
	5,5	MEC 132S	3 x 400 V ~ 1	10	IE3
	7,5	MEC 132S	3 x 400 V ~ 1	13,1	IE3
	11	MEC 160M	3 x 400 V ~ 1	19,7	IE3
	15	MEC 160M	3 x 400 V ~ 1	26,7	IE3

¹ Star start-up possible (Δ)

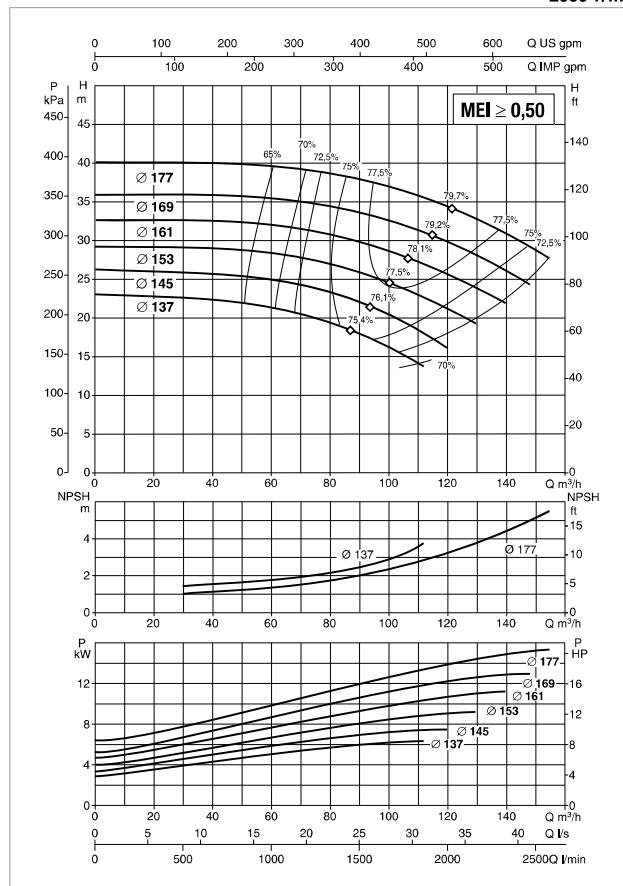
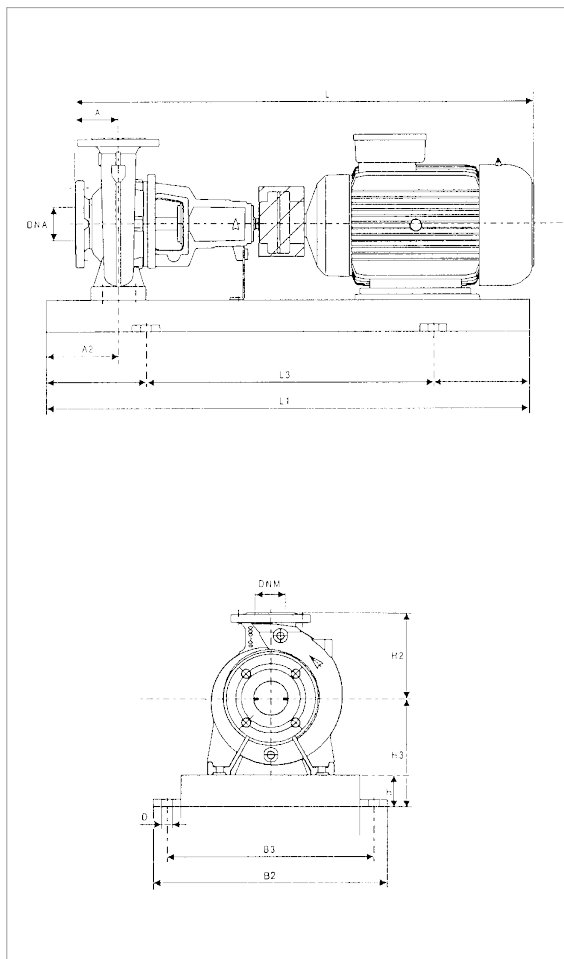
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 65-125	4	100	60	180	65	225	900	600	390	350	19	80	65	853	114	953	119
	5,5	100	60	180	80	240	1000	660	450	400	24	80	65	910	124	1010	129
	7,5	100	60	180	80	240	1000	660	450	400	24	80	65	930	120	1030	125
	11	100	60	180	80	240	1120	740	490	440	24	80	65	1073	152	1173	157
	15	100	60	180	80	240	1120	740	490	440	24	80	65	1073	153	1173	158

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 65-160 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 65-160	5,5	MEC 132S	3 x 400 V ~ 1	10	E3
	7,5	MEC 132S	3 x 400 V ~ 1	13,1	E3
	11	MEC 160M	3 x 400 V ~ 1	19,7	E3
	15	MEC 160M	3 x 400 V ~ 1	26,7	E3
	18,5	MEC 160L	3 x 400 V ~ 1	33	E3
	22	MEC 180M	3 x 400 V ~ 1	38,1	E3

¹ Star start-up possible (Δ)

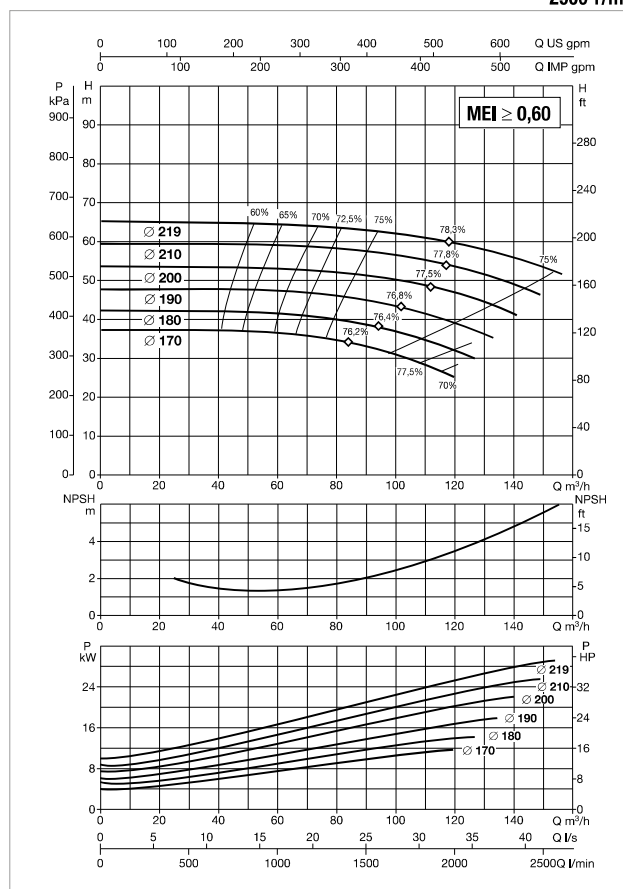
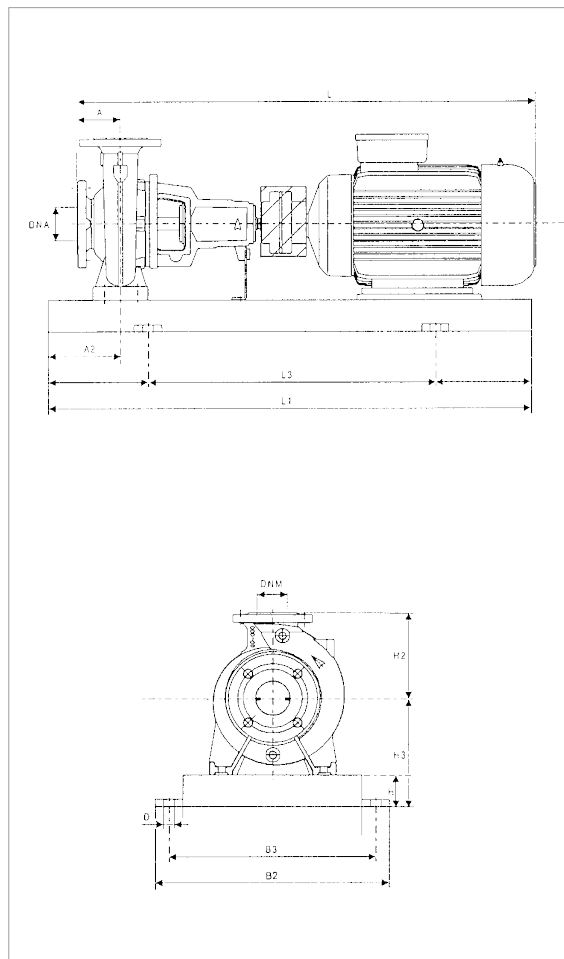
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGH Kg
KDN 65-160	5,5	100	60	200	80	240	1000	660	450	400	24	80	65	910	130	1010	135
	7,5	100	60	200	80	240	1000	660	450	400	24	80	65	930	147	1030	152
	11	100	60	200	80	240	1120	740	490	440	24	80	65	1073	160	1173	165
	15	100	60	200	80	240	1120	740	490	440	24	80	65	1073	193	1173	198
	18,5	100	60	200	80	240	1120	740	490	440	24	80	65	1117	188	1217	193
	22	100	60	200	80	260	1120	740	490	440	24	80	65	1152	178	1252	183

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 65-200 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 65-200	11	MEC 160M	3 x 400 V ~ 1	19,7	E3
	15	MEC 160M	3 x 400 V ~ 1	26,7	E3
	18,5	MEC 160L	3 x 400 V ~ 1	33	E3
	22	MEC 180M	3 x 400 V ~ 1	38,1	E3
	30	MEC 200L	3 x 400 V ~ 1	52,1	E3
	37	MEC 200L	3 x 400 V ~ 1	62,6	E3

¹ Star start-up possible (Δ)

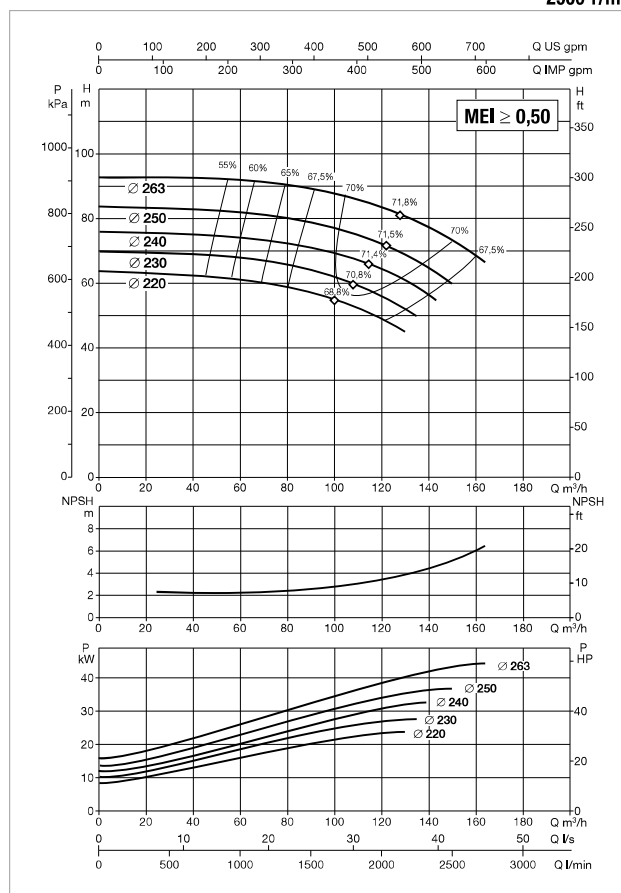
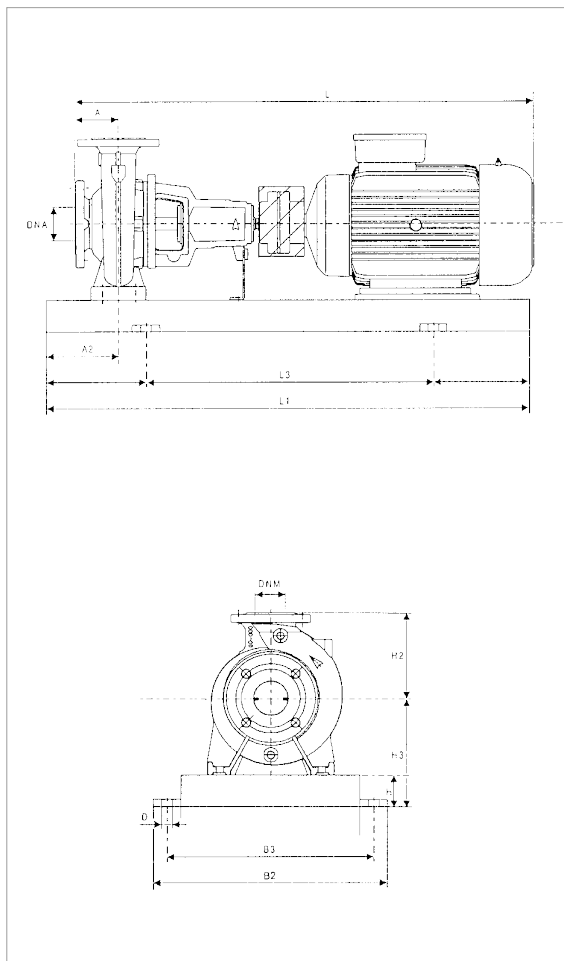
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 65-200	11	100	75	225	80	260	1250	840	540	490	24	80	65	1073	244	1213	249
	15	100	75	225	80	260	1250	840	540	490	24	80	65	1073	252	1213	257
	18,5	100	75	225	80	260	1250	840	540	490	24	80	65	1117	257	1257	262
	22	100	75	225	80	260	1250	840	540	490	24	80	65	1152	290	1292	295
	30	100	75	225	100	300	1400	940	610	550	28	80	65	1234	418	1374	423
	37	100	75	225	100	300	1400	940	610	550	28	80	65	1234	431	1374	436

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 65-250 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	MEC 180M	3 x 400 V ~ 1	38,1	IE3
	30	MEC 200L	3 x 400 V ~ 1	52,1	IE3
	37	MEC 200L	3 x 400 V ~ 1	62,6	IE3
	45	MEC 225M	3 x 400 V ~ 1	78,4	IE3
	55	MEC 250M	3 x 400 V ~ 1	94,6	IE3

¹ Star start-up possible (Δ)

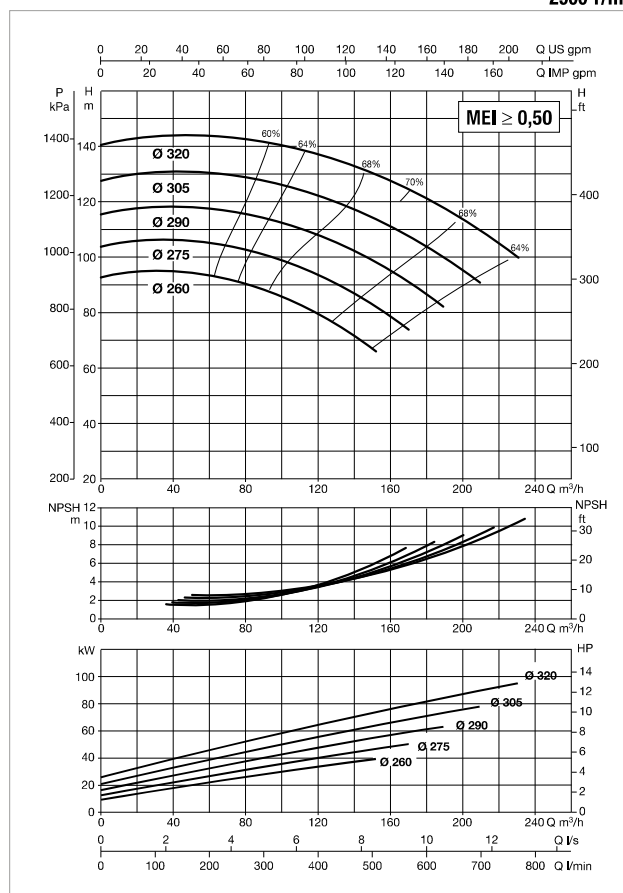
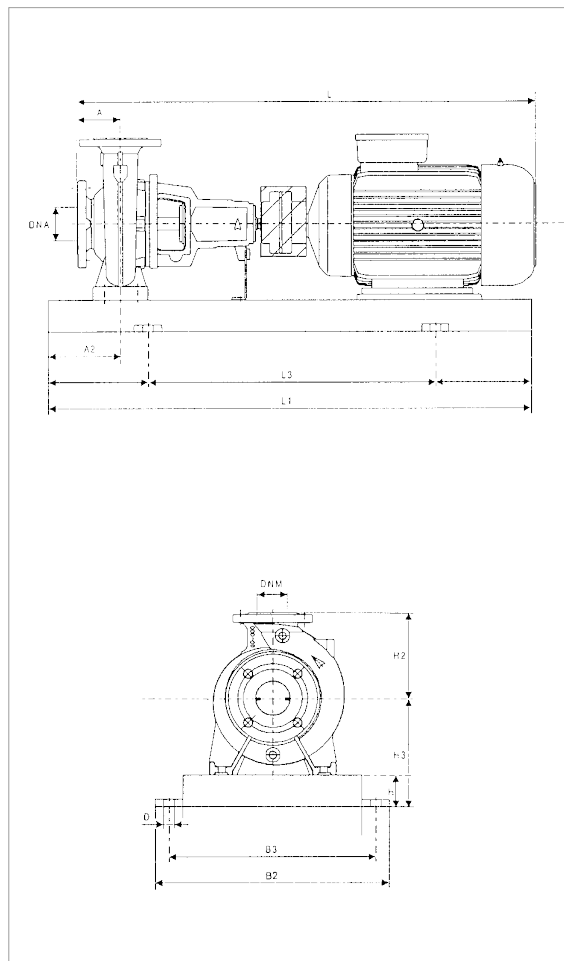
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 65-250	22	100	90	250	80	280	1250	840	540	490	24	80	65	1262	277	1402	285
	30	100	90	250	80	300	1400	940	610	550	28	80	65	1344	472	1484	480
	37	100	90	250	80	300	1400	940	610	550	28	80	65	1344	502	1484	510
	45	100	90	250	80	325	1400	940	610	550	28	80	65	1380	589	1520	597
	55	100	90	250	80	350	1600	1060	660	600	24	80	65	1493	717	1633	725

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 65-315 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 65-315	45	MEC 225M	3 x 400 V ~ 1	78,4	IE3
	55	MEC 250M	3 x 400 V ~ 1	94,6	IE3
	75	MEC 280S	3 x 400 V ~ 1	127	IE3
	90	MEC 280M	3 x 400 V ~ 1	153	IE3
	110	MEC 315S	3 x 400 V ~ 1	185	IE3

¹ Star start-up possible (Δ)

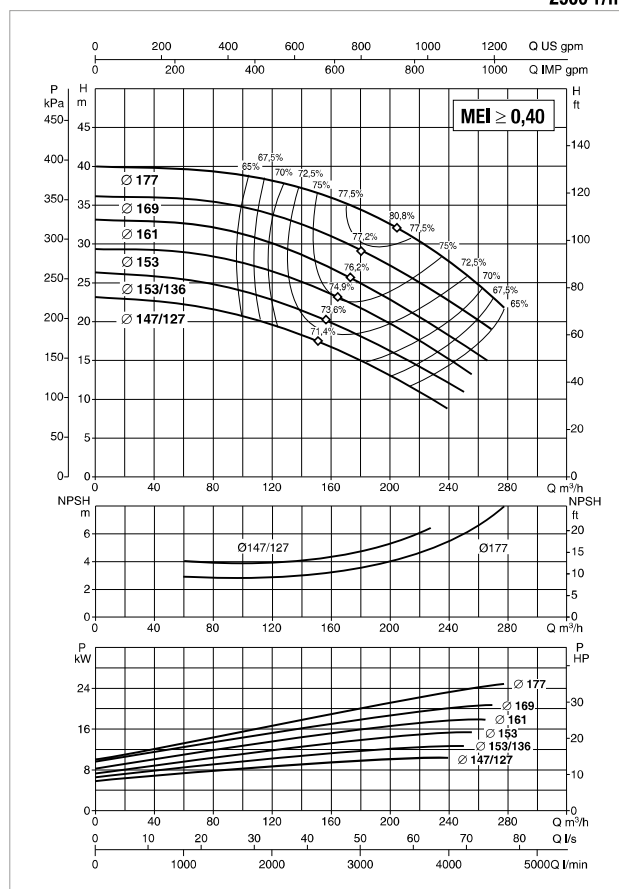
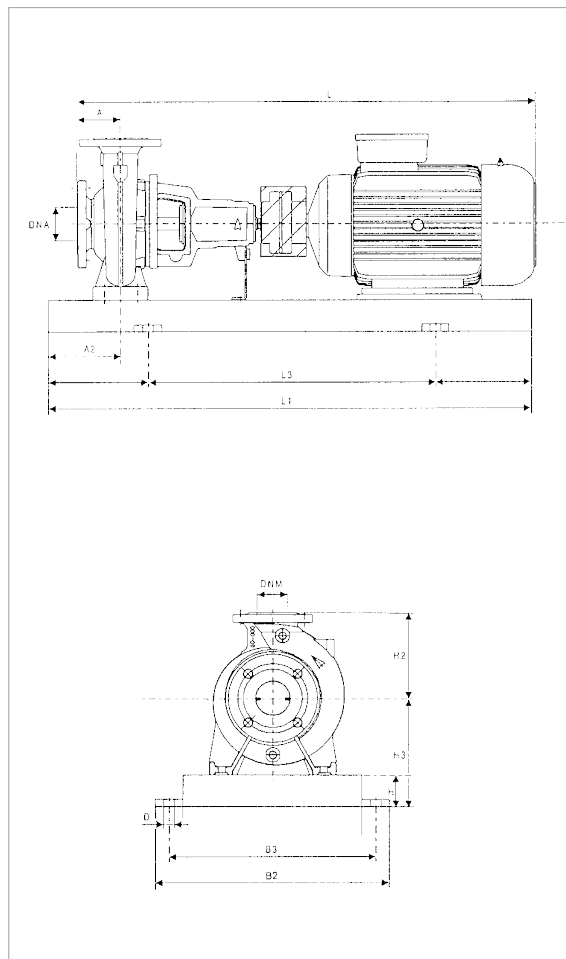
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 65-315	45	125	90	280	100	325	1600	1060	660	600	28	80	65	1405	734	1545	742
	55	125	90	280	100	325	1600	1060	660	600	28	80	65	1518	740	1658	748
	75	125	90	280	100	325	1800	1200	730	670	28	80	65	1584	849	1724	857
	90	125	90	280	100	325	1800	1200	730	670	28	80	65	1632	651	1772	659
	110	125	90	280	100	325	2000	1340	910	830	28	80	65	1955	1219	2095	1227

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 80-160 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 80-160	7,5	MEC 132S	3 x 400 V ~ 1	13,1	IE3
	11	MEC 160M	3 x 400 V ~ 1	19,7	IE3
	15	MEC 160M	3 x 400 V ~ 1	26,7	IE3
	18,5	MEC 160L	3 x 400 V ~ 1	33	IE3
	22	MEC 180M	3 x 400 V ~ 1	38,1	IE3
	30	MEC 200L	3 x 400 V ~ 1	52,1	IE3
	37	MEC 200L	3 x 400 V ~ 1	62,6	IE3

1 Star start-up possible (A)

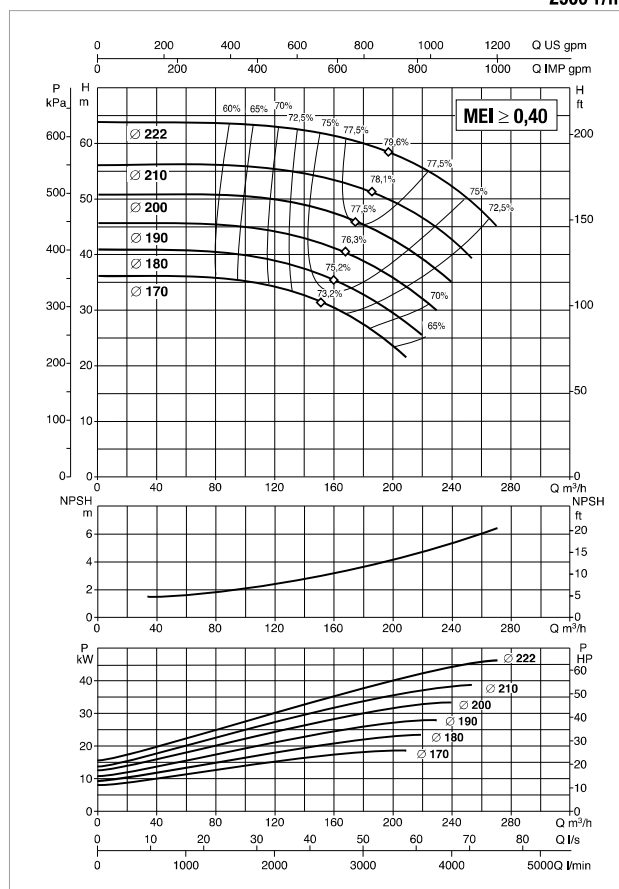
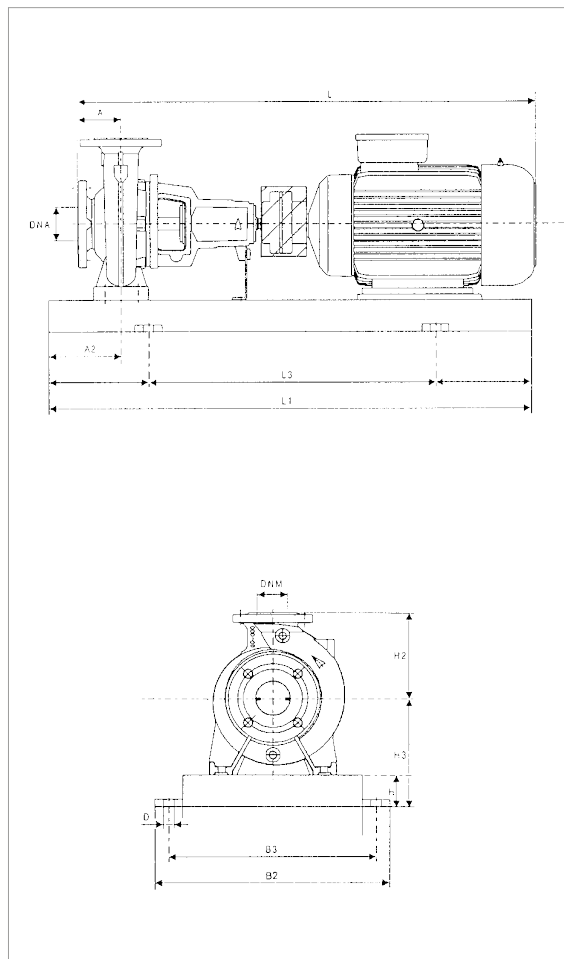
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 80-160	7,5	125	75	225	80	260	1120	740	490	440	24	100	80	955	163	1095	171
	11	125	75	225	80	260	1250	840	540	490	24	100	80	1098	275	1238	283
	15	125	75	225	80	260	1250	840	540	490	24	100	80	1098	271	1238	279
	18,5	125	75	225	80	260	1250	840	540	490	24	100	80	1142	266	1282	274
	22	125	75	225	80	260	1250	840	540	490	24	100	80	1177	211	1317	219
	30	125	75	225	80	260	1400	940	610	550	28	100	80	1259	316	1399	324
	37	125	75	225	80	260	1400	940	610	550	28	100	80	1259	408	1399	416

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 80-200 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 80-200	18,5	MEC 160L	3 x 400 V ~ 1	33	IE3
	22	MEC 180M	3 x 400 V ~ 1	38,1	IE3
	30	MEC 200L	3 x 400 V ~ 1	52,1	IE3
	37	MEC 200L	3 x 400 V ~ 1	62,6	IE3
	45	MEC 225M	3 x 400 V ~ 1	78,4	IE3
	55	MEC 250M	3 x 400 V ~ 1	94,6	IE3
	75	MEC 280S	3 x 400 V ~ 1	127	IE3

¹ Star start-up possible (Δ)

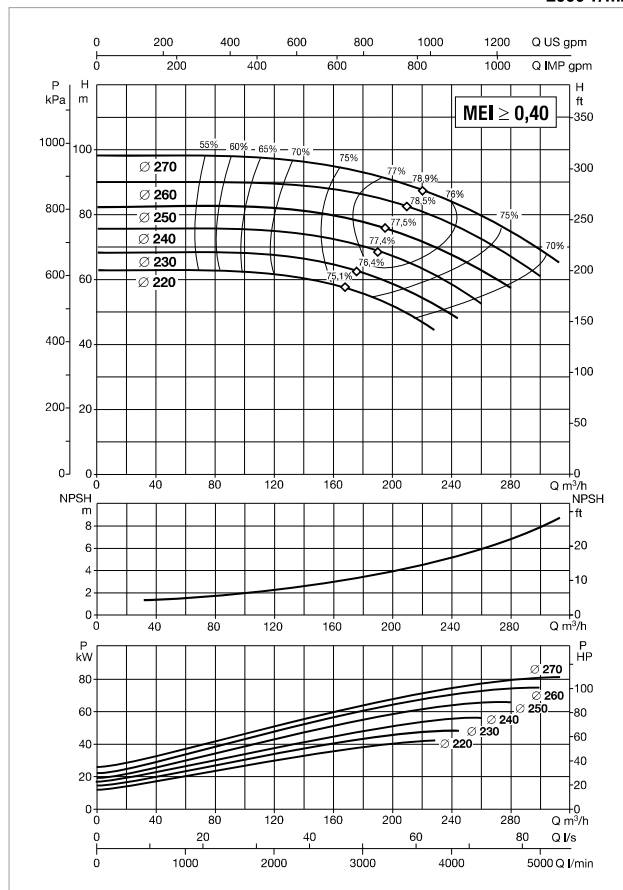
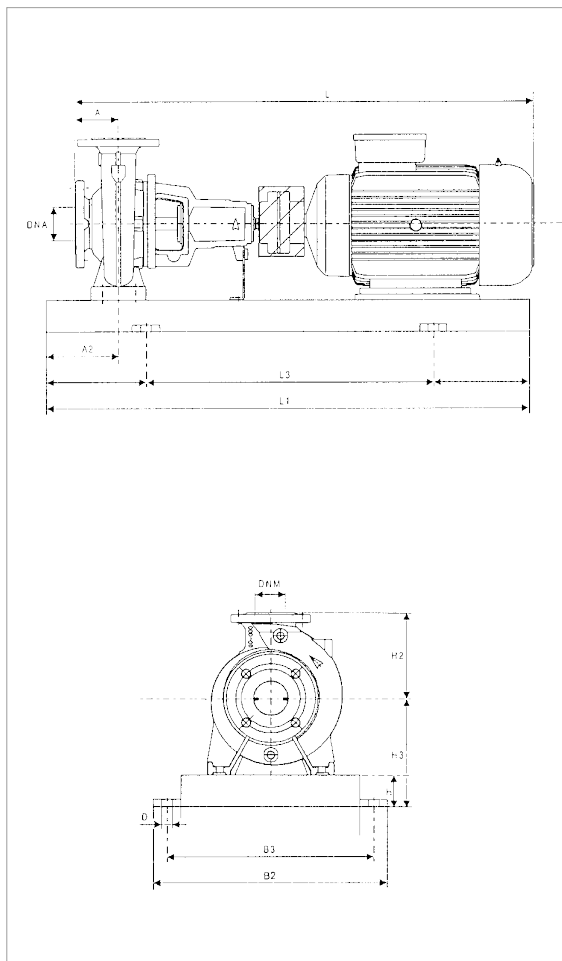
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 80-200	18,5	125	75	250	80	260	1250	840	540	490	24	100	80	1252	207	1392	215
	22	125	75	250	80	260	1250	840	540	490	24	100	80	1287	233	1427	241
	30	125	75	250	100	300	1400	940	610	550	28	100	80	1369	444	1509	452
	37	125	75	250	100	300	1400	940	610	550	28	100	80	1369	480	1509	488
	45	125	75	250	100	325	1400	940	610	550	28	100	80	1405	587	1545	595
	55	125	75	250	100	350	1600	1060	660	600	28	100	80	1518	539	1658	547
	75	125	75	250	100	380	1800	1200	730	670	28	100	80	1584	609	1724	617

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 80-250 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 80-250	37	MEC 200L	3 x 400 V ~ 1	62,6	IE3
	45	MEC 225M	3 x 400 V ~ 1	78,4	IE3
	55	MEC 250M	3 x 400 V ~ 1	94,6	IE3
	75	MEC 280S	3 x 400 V ~ 1	127	IE3
	90	MEC 280M	3 x 400 V ~ 1	153	IE3

¹ Star start-up possible (Δ)

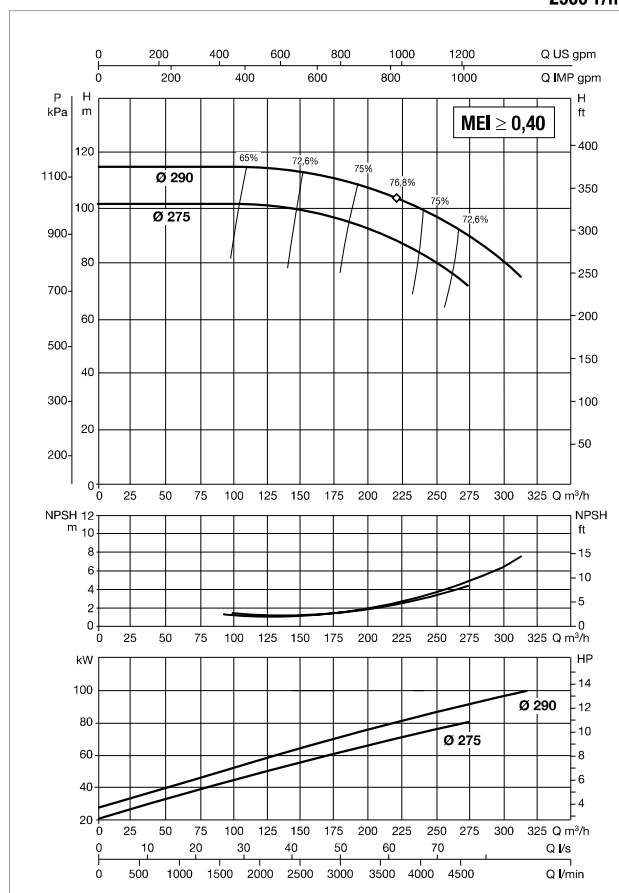
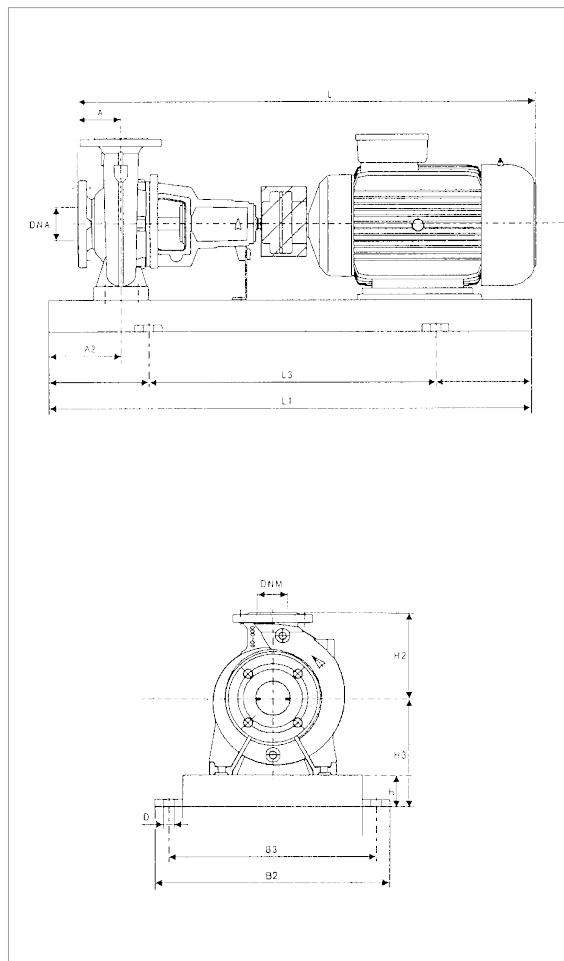
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 80-250	37	125	90	280	100	300	1400	940	610	550	28	100	80	1369	496	1509	504
	45	125	90	280	100	300	1400	940	610	550	28	100	80	1405	584	1545	592
	55	125	90	280	100	300	1600	1060	660	600	28	100	80	1518	695	1658	703
	75	125	90	280	100	300	1800	1200	730	670	28	100	80	1584	641	1724	649
	90	125	90	280	100	300	1800	1200	730	670	28	100	80	1632	891	1772	899

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 80-315 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 80-315	55	MEC 250M	3 x 400 V ~ 1	94,6	IE3
	75	MEC 280S	3 x 400 V ~ 1	127	IE3
	90	MEC 280M	3 x 400 V ~ 1	153	IE3
	110	MEC 315S	3 x 400 V ~ 1	185	IE3

¹ Star start-up possible (Δ)

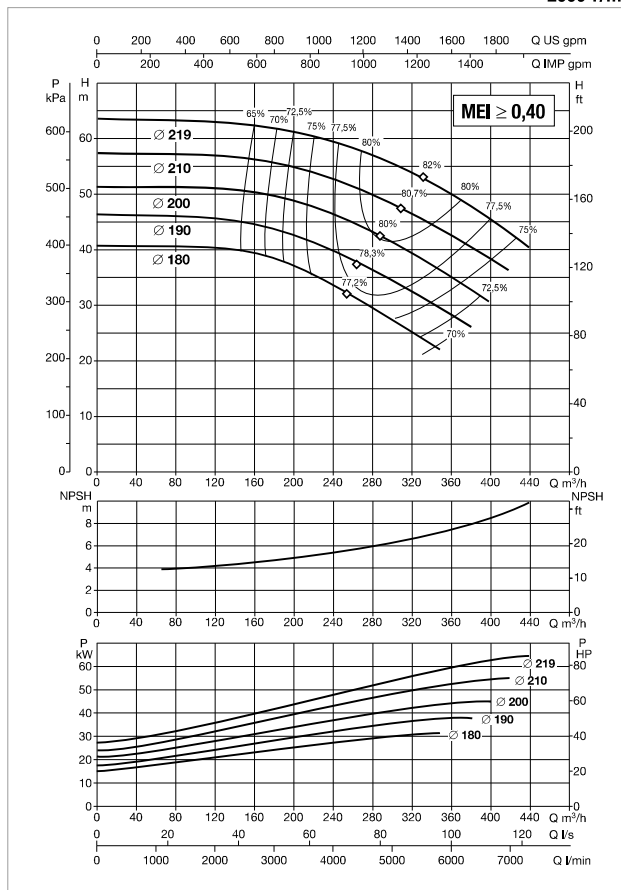
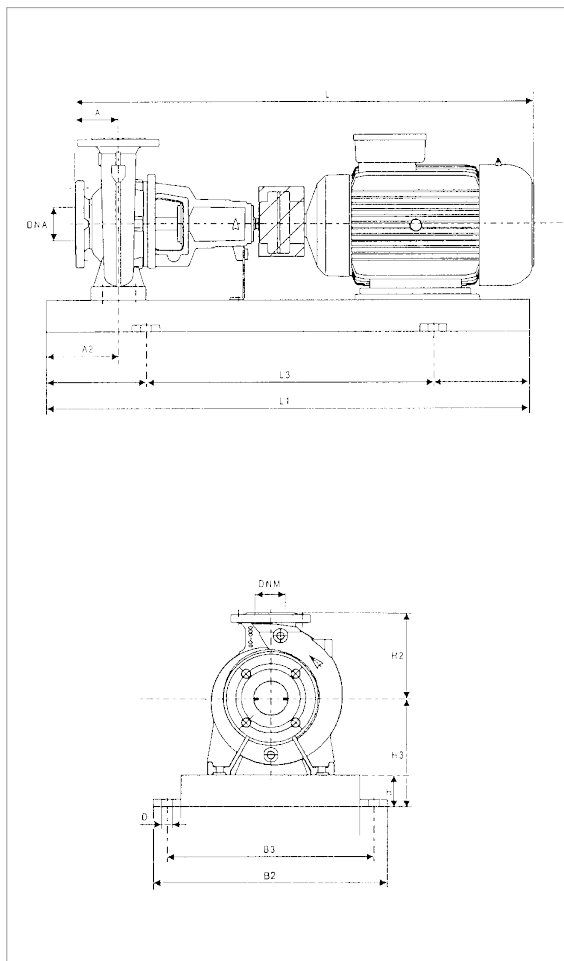
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGH Kg
KDN 80-315	55	125	90	315	100	350	1600	1060	660	600	28	100	80	1518	720	1658	728
	75	125	90	315	100	350	1800	1200	730	670	28	100	80	1584	840	1724	848
	90	125	90	315	100	350	1800	1200	730	670	28	100	80	1632	663	1772	671
	110	125	90	315	120	370	2000	1340	910	830	28	100	80	1955	1231	2095	1239

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 100-200 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 100-200	30	MEC 200L	3 x 400 V ~ 1	52,1	IE3
	37	MEC 200L	3 x 400 V ~ 1	62,6	IE3
	45	MEC 225M	3 x 400 V ~ 1	78,4	IE3
	55	MEC 250M	3 x 400 V ~ 1	94,6	IE3
	75	MEC 280S	3 x 400 V ~ 1	127	IE3
	90	MEC 280M	3 x 400 V ~ 1	153	IE3

¹ Star start-up possible (Δ)

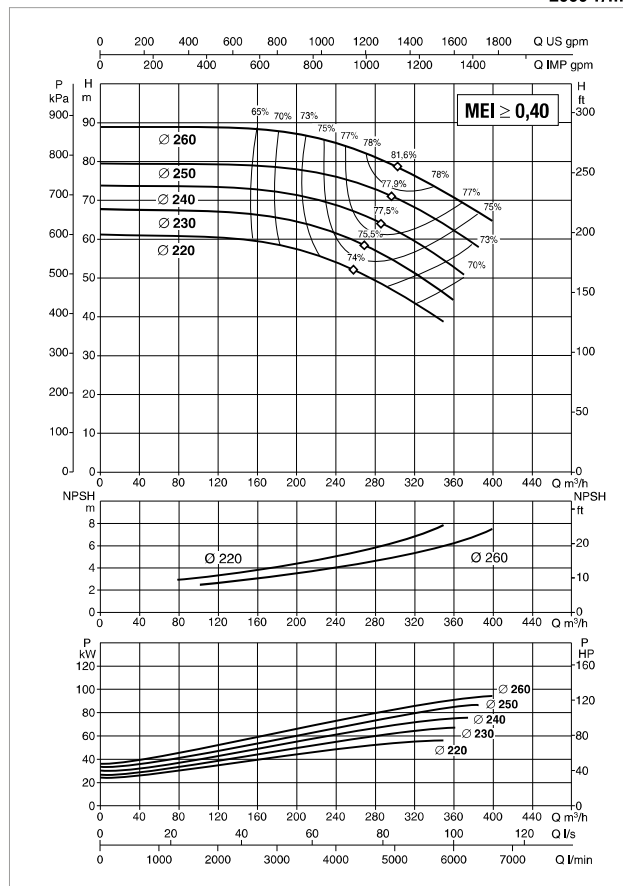
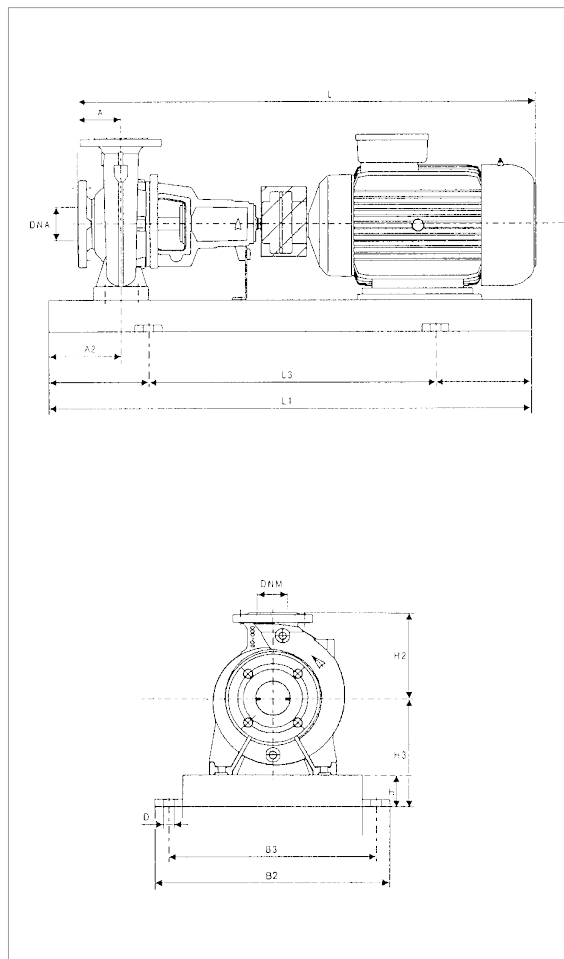
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 100-200	30	125	90	280	100	300	1400	940	610	550	28	125	100	1369	466	1509	474
	37	125	90	280	100	300	1400	940	610	550	28	125	100	1369	427	1509	435
	45	125	90	280	100	325	1400	940	610	550	28	125	100	1405	588	1545	596
	55	125	90	280	100	350	1600	1060	660	600	28	125	100	1518	668	1658	676
	75	125	90	280	100	380	1800	1200	730	670	28	125	100	1584	621	1724	629
	90	125	90	280	100	380	1800	1200	730	670	28	125	100	1632	603	1772	611

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 100-250 - 2 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 100-250	45	MEC 225M	3 x 400 V ~ 1	78,4	E3
	55	MEC 250M	3 x 400 V ~ 1	94,6	E3
	75	MEC 280S	3 x 400 V ~ 1	127	E3
	90	MEC 280M	3 x 400 V ~ 1	153	E3
	110	MEC 315S	3 x 400 V ~ 1	185	E3

¹ Star start-up possible (Δ)

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 100-250	45	125	90	280	100	325	1600	1060	660	600	28	125	100	1405	735	1545	743
	55	125	90	280	100	325	1600	1060	600	600	28	125	100	1518	741	1658	749
	75	125	90	280	100	380	1800	1200	730	670	28	125	100	1584	850	1724	858
	90	125	90	280	100	380	1800	1200	730	670	28	125	100	1632	652	1772	660
	110	125	90	280	100	435	2000	1340	910	830	28	125	100	1955	1220	2095	1128 1228

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN - 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 - 4 POLE RANGE

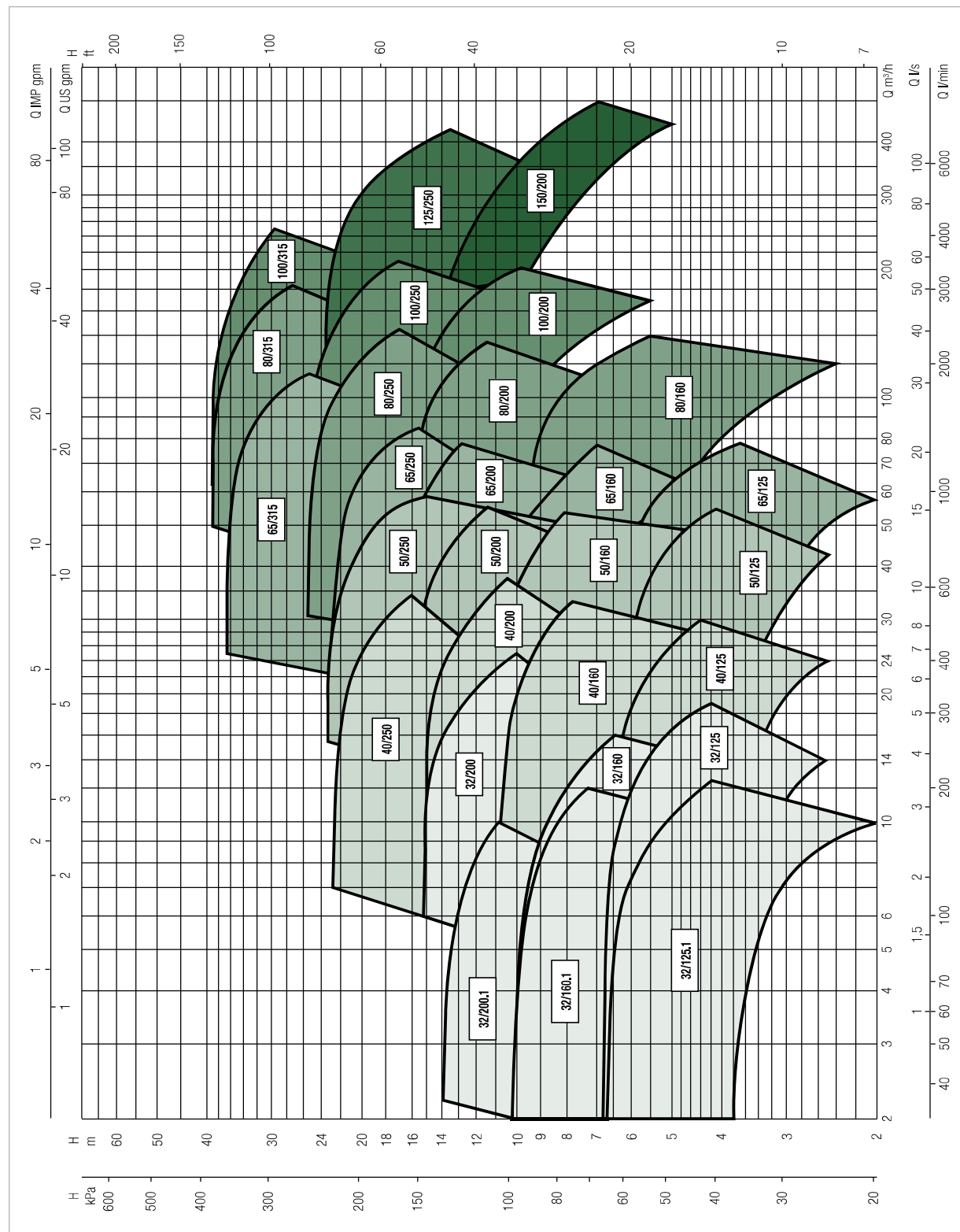
STANDARDISED PUMPS

PERFORMANCE RANGE

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.

GRAPHIC SELECTION TABLE

= 1450 1/min



SELECTION TABLE - KDN 32

MODEL	Q=m³/h	0	3	6	12	18	24
	Q=l/min	0	50	100	200	300	400
KDN 32-125.1/105	H (m)	3,5	3,4	3,1			
KDN 32-125.1/110		3,9	3,8	3,5			
KDN 32-125.1/115		4,25	4,2	3,9			
KDN 32-125.1/120		4,7	4,6	4,3			
KDN 32-125.1/125		5,1	5,1	4,8			
KDN 32-125.1/130		5,6	5,6	5,3			
KDN 32-125.1/135		6,1	6	5,8	4,4		
KDN 32-125.1/140		6,6	6,6	6,4	5,1		
KDN 32-125/115		4,3		4,1	3,2		
KDN 32-125/120		4,75		4,6	3,75		
KDN 32-125/125		5,2		5,05	4,2		
KDN 32-125/130		5,7		5,5	4,8		
KDN 32-125/135		6,2		6	5,3	3,65	
KDN 32-125/142		6,9		6,75	6,15	4,5	
KDN 32-160.1/137		5,3	5,3	4,7			
KDN 32-160.1/145		6,2	6,1	5			
KDN 32-160.1/153		7	7	6,6			
KDN 32-160.1/161		8	7,9	7,6			
KDN 32-160.1/169		8,9	8,9	8,6	5,5		
KDN 32-160.1/177		9	9,8	9,5	6,6		
KDN 32-160/137		5,9		5,6	4,4		
KDN 32-160/145		6,7		6,5	5,3		
KDN 32-160/153		7,6		7,4	6,25		
KDN 32-160/161		8,5		8,25	7,25		
KDN 32-160/169		9,5		9,3	8,4	6,6	
KDN 32-160/177		10,5		10,4	9,6	7,8	
KDN 32-200.1/170		8,6	8,5	7,2			
KDN 32-200.1/180		9,8	9,8	9			
KDN 32-200.1/190		11,3	11,1	10,5			
KDN 32-200.1/200		12,8	12,7	11,7	8,3		
KDN 32-200.1/207		13,8	13,8	13	8,9		
KDN 32-200/170		8,6		8,2	6,7		
KDN 32-200/180		9,9		9,6	8,2		
KDN 32-200/190		11,2		10,9	9,7	7	
KDN 32-200/200		12,6		12,3	11,1	8,7	
KDN 32-200/210		14,3		14	13,1	10,7	
KDN 32-200/219		15,7		15,4	14,8	13	9,8

KDN - 4 POLES

STANDARDISED PUMPS

SELECTION TABLE - KDN 40

MODEL	Q=m³/h	0	6	12	18	24	30	36
	Q=l/min	0	100	200	300	400	500	600
KDN 40-125/115	H (m)	4,2	4,1	3,8	3,2	2,4		
KDN 40-125/120		4,6	4,5	4,2	3,7	2,9		
KDN 40-125/125		5,1	4,9	4,7	4,1	3,3		
KDN 40-125/130		5,5	5,4	5,2	4,7	3,9		
KDN 40-125/135		6	5,9	5,8	5,3	4,6		
KDN 40-125/142		6,7	6,6	6,5	6	5,3	4,1	
KDN 40-160/137		5,9	5,8	5,8	5	3,7		
KDN 40-160/145		6,7	6,6	6,5	6	4,8		
KDN 40-160/153		7,6	7,6	7,5	7	6,8		
KDN 40-160/161		8,6	8,5	8,4	8	7,1	5,6	
KDN 40-160/169		9,6	9,5	9,5	9,1	8,3	7	
KDN 40-160/177		10,7	10,7	10,6	10,2	9,5	8,3	
KDN 40-200/170		8,4	8,4	8,2	7,4	5,7		
KDN 40-200/180		9,7	9,7	9,4	8,8	7,2		
KDN 40-200/190		10,9	10,8	10,7	10,2	8,8	6,8	
KDN 40-200/200		12,2	12,1	12	11,7	10,4	8,6	
KDN 40-200/210		13,6	13,5	13,5	13,2	12,1	10,6	
KDN 40-200/219		15	15	15	14,7	13,8	12,4	10,4
KDN 40-250/220		15,8		15,6	14,8	13,6	12	
KDN 40-250/230		17,4		17,2	16,5	15,3	13,7	
KDN 40-250/240		19,1		19	18,2	17	15,5	
KDN 40-250/250		20,7		20,6	20	18,9	17,5	
KDN 40-250/260		22,7		22,6	22,1	21	19,5	

SELECTION TABLE - KDN 50

MODEL	Q=m³/h	0	12	18	24	30	36	42	48	54
	Q=l/min	0	200	300	400	500	600	700	800	900
KDN 50-125/115	H (m)	4,2	4,1	3,9	3,6	3,3	2,9	2,3		
KDN 50-125/120		4,6	4,4	4,3	4	3,7	3,3	2,8		
KDN 50-125/125		5	4,9	4,7	4,5	4,2	3,7	3,3		
KDN 50-125/130		5,6	5,4	5,2	5	4,7	4,2	3,8	3,2	
KDN 50-125/135		6	5,8	5,7	5,5	5,2	4,8	4,3	3,8	
KDN 50-125/139		6,3	6,2	6,1	5,9	5,6	5,2	4,8	4,2	
KDN 50-125/144		6,7	6,7	6,6	6,4	6,2	5,8	5,3	4,8	4,1
KDN 50-160/137		6	6	5,9	5,6	5,2	4,8			
KDN 50-160/145		6,8	6,7	6,7	6,5	6,2	5,8			
KDN 50-160/153		7,6	7,6	7,5	7,4	7,2	6,7			
KDN 50-160/161		8,4	8,4	8,3	8,2	8,1	7,7			
KDN 50-160/169		9,4	9,3	9,2	9,2	9,1	8,8			
KDN 50-160/177		10,4	10,3	10,3	10,2	10,1	9,95			
KDN 50-200/170		9,5	9,3	9,2	8,8	8	6,85			
KDN 50-200/180		10,6	10,6	10,5	10,1	9,5	8,6	7,3		
KDN 50-200/190		11,8	11,7	11,6	11,4	10,8	10,1	8,9		
KDN 50-200/200		13,1	13	13	12,8	12,3	11,6	10,6	9,4	
KDN 50-200/210		14,6	14,6	14,5	14,4	13,9	13,2	12,2	11	
KDN 50-200/219		16	16	16	15,9	15,4	14,2	13,8	12,7	11,4
KDN 50-250/220		15,9	15,7	15,6	15,4	14,9	13,8	12,4	10,5	
KDN 50-250/230		17,4	17,3	17,2	17	16,5	15,5	14,2	12,6	10,3
KDN 50-250/240		19	19	19	18,8	18,2	17,4	16,2	14,7	12,4
KDN 50-250/250		20,8	20,8	20,7	20,6	20,1	19,2	18,1	17	14,8
KDN 50-250/263		23	23	22,9	22,8	22,5	21,7	20,6	19,4	17,5

KDN - 4 POLES

STANDARDISED PUMPS

SELECTION TABLE - KDN 65

MODEL	Q=m³/h	0	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114
	Q=l/min	0	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900
KDN 65-125/120/110	H (m)	3,75		3,5	3,3	3,2	2,9	2,7	2,3	1,9							
KDN 65-125/120		4,25		3,9	3,8	3,6	3,3	3,1	2,7	2,3							
KDN 65-125/125		4,7		4,4	4,25	4,1	3,8	3,6	3,25	2,8							
KDN 65-125/130		5,1		4,9	4,75	4,6	4,3	4,1	3,8	3,3	2,8						
KDN 65-125/135		5,6		5,4	5,3	5,2	4,9	4,7	4,3	3,9	3,5	3					
KDN 65-125/140		6		5,9	5,8	5,7	5,5	5,2	4,9	4,5	4,1	3,6					
KDN 65-125/144		6,4		6,35	6,25	6,2	5,9	5,7	5,4	5	4,65	4,2	3,7				
KDN 65-160/137		5,8		5,7	5,4	5,2	4,75	4,3	3,7								
KDN 65-160/145		6,5		6,5	6,3	6	5,7	5,3	4,75	4,1							
KDN 65-160/153		7,3		7,2	7,2	6,9	6,7	6,3	5,8	5,25							
KDN 65-160/161		8,2		8,1	8,1	7,9	7,7	7,3	6,85	6,3	5,8						
KDN 65-160/169		9,1		9,1	9	8,9	8,7	8,4	8	7,6	7,1	6,4					
KDN 65-160/177		10		10	9,9	9,8	9,7	9,45	9,1	8,7	8,2	7,5					
KDN 65-200/170		9,3	9,3	9,2	9,2	9	8,5	7,9	7,1	6,3							
KDN 65-200/180		10,4	10,4	10,4	10,3	10,2	10	9,5	8,8	8,1							
KDN 65-200/190		12,1	12	12	12	11,9	11,5	11,1	10,5	9,8	8,8						
KDN 65-200/200		13,3	13,3	13,3	13,2	13,1	13	12,8	12,3	11,6	10,8						
KDN 65-200/210		14,8	14,7	14,7	14,7	14,6	14,6	14,3	13,8	13,4	12,7	12					
KDN 65-200/219		16,2	16,2	16,2	16,1	16	15,9	15,8	15,4	15	14,4	13,5	12,7				
KDN 65-250/220		15,8		15,8	15,5	15,1	14,5	14	13,2	12	10,7						
KDN 65-250/230		17,4		17,4	17,2	16,8	16,3	15,7	15	14,1	12,7	11,4					
KDN 65-250/240		19		19	18,9	18,5	18,1	17,5	16,8	16	14,7	13,6					
KDN 65-250/250		20,7		20,7	20,6	20,4	20	19,5	18,8	18	17	15,9	14,5				
KDN 65-250/263		23,2		23	23	22,9	22,5	22,2	21,6	20,8	19,8	18,6	17,4	16			
KDN 65-315/260		22,3		22,2	22,1	22	21,5	21	20,5	20	19,2	18,4	17	16	15		
KDN 65-315/275		25,1		25,1	25	24,8	24,6	24,1	23,5	23	22,5	21,5	20,5	19,4	18,1		
KDN 65-315/290		28,2		28,2	28,1	28	27,8	27,3	27	26,5	25,5	25	24	23,1	22	19,5	
KDN 65-315/305		31,7		31,5	31,4	31,4	31,3	31,2	30,8	30,4	29,6	29	28	27,2	26,1	23,5	
KDN 65-315/320		35,7		35,4	35,3	35,2	35,1	35	34,8	34,5	33,8	33,5	32,5	31,5	30,8	28	24,8

KDN - 4 POLES

STANDARDISED PUMPS

SELECTION TABLE - KDN 80

MODEL	Q=m³/h	0	42	48	54	60	66	72	78	84	90	102	114	120	150	180
	Q=l/min	0	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000
KDN 80-160/147/127	H (m)	5,7	5,4	5,25	5,05	4,8	4,6	4,35	4,15	3,85	3,6	3,1	2,5	2,2		
KDN 80-160/153/136		6,4	6,2	6,05	5,85	5,7	5,4	5,15	4,8	4,65	4,4	3,85	3,3	3		
KDN 80-160/153		7,3	7,1	6,9	6,7	6,5	6,3	6	5,75	5,4	5,2	4,55	3,9	3,6		
KDN 80-160/161		8,2	8	7,9	7,75	7,5	7,3	7,05	6,8	6,5	6,25	5,6	4,9	4,6		
KDN 80-160/169		9,1	9	8,85	8,7	8,6	8,35	8,1	7,85	7,6	7,3	6,75	6	5,7		
KDN 80-160/177		10	9,9	9,85	9,8	9,7	9,5	9,3	9,1	8,85	8,7	8,1	7,25	6,9		
KDN 80-200/170		9,2	9,1	9	8,7	8,5	8,2	7,8	7,5	7,1	6,7	5,6				
KDN 80-200/180		10,3	10,2	10,2	10	9,9	9,6	9,2	9	8,6	8,2	7,2				
KDN 80-200/190		11,4	11,4	11,3	11,2	11,1	11	10,7	10,5	10,1	9,8	8,7	6,8			
KDN 80-200/200		12,7	12,6	12,6	12,6	12,5	12,4	12,3	12	11,6	11,4	10,5	9,4	8,8		
KDN 80-200/210		14,1	14	14	14	13,9	13,8	13,7	13,6	13,3	13,1	12,1	11,2	10,6		
KDN 80-200/222		15,9	15,9	15,8	15,7	15,6	15,6	15,5	15,4	15,3	15	14,3	13,4	12,8		
KDN 80-250/220		16	15,9	15,8	15,7	15,6	15,5	15,2	14,9	14,5	13,9	12,8				
KDN 80-250/230		17,3	17,3	17,2	17,1	17	16,9	16,8	16,5	16	15,5	14,3	12,4			
KDN 80-250/240		19	19	19	18,9	18,8	18,7	18,6	18,4	18	17,6	16,6	15,3	14,6		
KDN 80-250/250		20,8	20,7	20,7	20,7	20,6	20,5	20,4	20,3	19,9	19,6	18,6	17,4	16,8		
KDN 80-250/260		22,6	22,5	22,5	22,4	22,3	22,2	22,1	22	21,8	21,4	20,6	19,6	19	15,1	
KDN 80-250/270		24,5	24,4	24,4	24,4	24,3	24,2	24,1	24	23,7	23,3	22,4	21,4	20,7	16,3	
KDN 80-315/275		24,8		24,8	24,8	24,7	24,6	24,5	24,4	24,3	24	23	21,4	20,5		
KDN 80-315/290		27,8		27,8	27,8	27,7	27,7	27,6	27,6	27,5	27,4	26,5	25	24,6	19,1	
KDN 80-315/305		31,4		31,4	31,3	31,2	31,2	31,2	31,2	31,2	30,9	30	29	28,5	24	
KDN 80-315/320		34,8		34,7	34,6	34,6	34,5	34,4	34,3	34	33,9	33,8	33,2	32,8	28,8	
KDN 80-315/334		38,3		38,2	38,2	38,2	38,2	38,2	38,1	38	37,9	37,6	37	36,9	33,1	28

KDN - 4 POLES

STANDARDISED PUMPS

SELECTION TABLE - KDN 100

MODEL	Q=m³/h	0	60	66	72	78	84	90	102	114	120	150	180	210	240
	Q=l/min	0	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000
KDN 100-200/180	H (m)	10,1	10,1	10,1	10	9,9	9,7	9,5	9,1	8,5	8,3	7	5,4		
KDN 100-200/190		11,6	11,5	11,4	11,3	11,2	11,1	11	10,5	10,1	10	8,6	7		
KDN 100-200/200		12,9	12,8	12,8	12,8	12,7	12,6	12,5	12,2	11,8	11,6	10,4	8,8		
KDN 100-200/210		14,3	14,2	14,2	14,2	14,2	14,1	14	13,8	13,5	13,3	12,3	10,7	9	
KDN 100-200/219		16	15,7	15,7	15,6	15,6	15,5	15,5	15,3	15,1	15	14	12,5	10,8	
KDN 100-250/220		15,2	14,9	14,9	14,9	14,8	14,7	14,6	14,3	13,7	13,4	11,4			
KDN 100-250/230		16,9	16,7	16,7	16,6	16,5	16,4	16,3	16,1	15,7	15,3	13,6	11,1		
KDN 100-250/240		18,5	18,3	18,3	18,3	18,2	18,1	18	17,9	17,6	17,4	15,7	13,3		
KDN 100-250/250		20,1	20	20	19,9	19,8	19,7	19,6	19,5	19,4	19,2	17,6	15,4		
KDN 100-250/260		22,3	22,1	22,1	22,1	22	21,9	21,8	21,7	21,5	21,4	19,8	17,7	15,1	
KDN 100-250/270		24,3	24,3	24,3	24,3	24,3	24,3	24,2	24,1	23,7	23,5	22,1	20,1	17,3	
KDN 100-315/275		25,1	25	25	25	24,9	24,8	24,7	24,6	24,4	24	22	19		
KDN 100-315/290		28	27,9	27,9	27,9	27,9	27,8	27,7	27,6	27,5	27	25,5	23		
KDN 100-315/305		31,3	31,1	31,1	31,1	31	30,9	30,8	30,7	30,6	30,5	29	27	24	
KDN 100-315/320		34,5	34,4	34,4	34,4	34,4	34,4	34,3	34,2	34,1	34	33	31	28,1	
KDN 100-315/334		38,2	38,2	38,1	38,1	38,1	38	38	37,7	37,5	37,3	36,5	34,8	32	28,8

SELECTION TABLE - KDN 125

MODEL	Q=m³/h	0	102	114	120	150	180	210	240	270	300	330	360	390	420
	Q=l/min	0	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
KDN 125-250/220	H (m)	15	14,9	14,9	14,8	14,5	14	13	11,8	10,5	9,2				
KDN 125-250/230		16,6	16,6	16,6	16,5	16,3	15,6	14,8	13,8	12,5	12,3	9,5			
KDN 125-250/240		18,2	18,1	18,1	18,1	18	17,7	16,8	15,8	14,5	13,3	11,6	10,1		
KDN 125-250/250		19,9	19,8	19,8	19,7	19,6	19,4	18,7	17,8	16,6	15,5	14	12,3		
KDN 125-250/260		21,7	21,7	21,6	21,5	21,4	21,3	20,6	19,9	18	17,7	16,3	14,6	13	
KDN 125-250/269		23,9	23,9	23,9	23,8	23,6	23,2	22,7	22,1	22,2	20,2	19	17,5	15,6	14

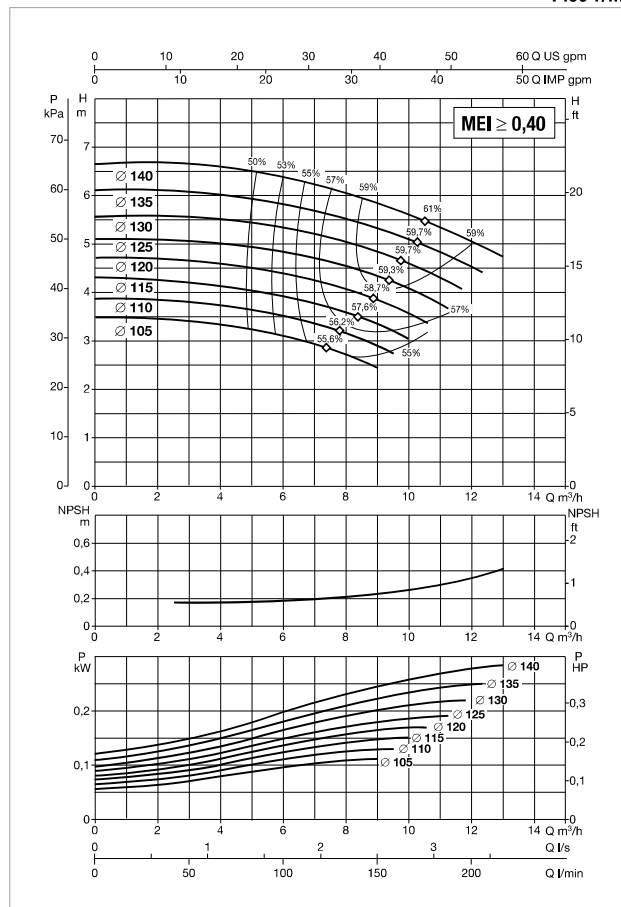
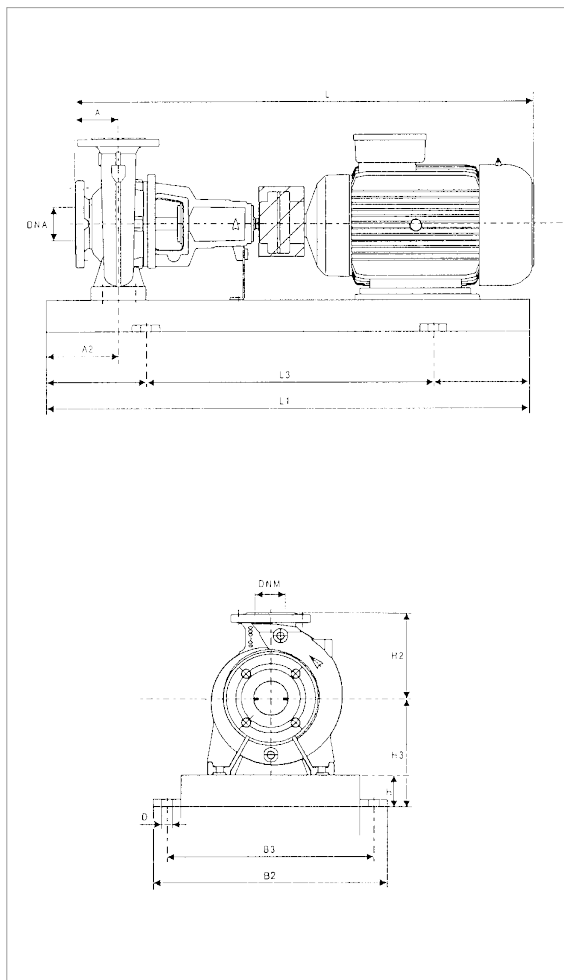
SELECTION TABLE - KDN 150

MODEL	Q=m³/h	0	102	114	120	150	180	210	240	270	300	330	360	390	420
	Q=l/min	0	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
KDN 150-200/210/170	H (m)	8,9	8,9	8,9	8,8	8,7	8,6	8,3	7,9	7,4	6,8	6,2	5,4	4,5	
KDN 150-200/218/182		10,4	10,4	10,4	10,3	10,2	9,9	9,5	9,1	8,6	8,1	7,4	6,6	5,8	
KDN 150-200/218/200		11,4	11,4	11,4	11,4	11,2	10,9	10,6	10,1	9,7	9,2	8,5	7,8	6,9	5,9
KDN 150-200/218		12,9	12,7	12,7	12,6	12,4	12,1	11,7	11,2	10,7	10,2	9,6	8,8	8	7,1
KDN 150-200/224		13,8	13,6	13,6	13,5	13,3	13	12,6	12,2	11,7	11,2	10,6	9,9	9,2	8,2

KDN 32-125.1 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 32-125.1	0,37	MEC 71	3 x 230 - 400 V ~	1,7/0,975	—
	0,55	MEC 80	3 x 230 - 400 V ~	2,6/1,5	—

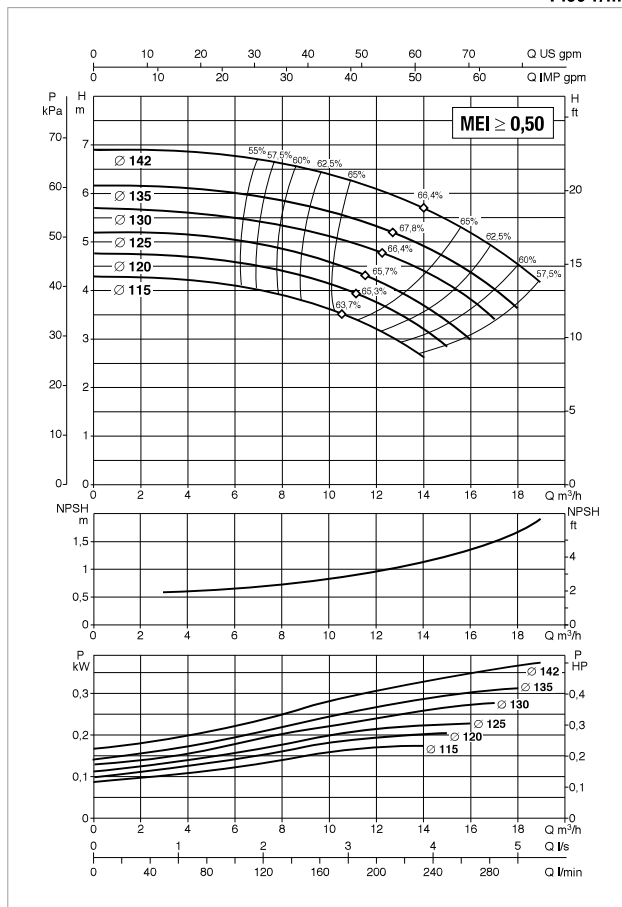
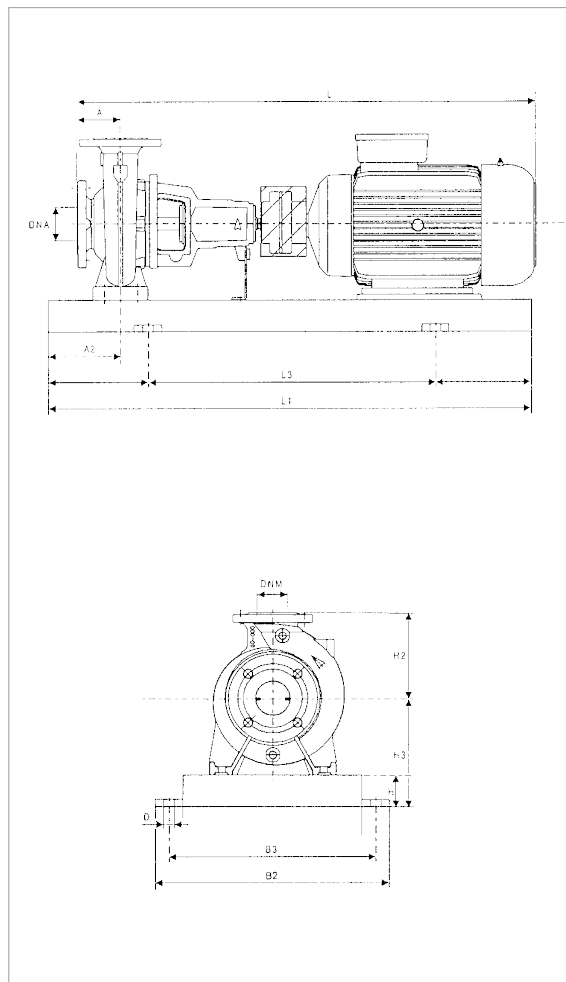
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 32-125.1	0,37	80	60	140	65	177	800	540	360	320	19	50	32	730	81	830	86
	0,55	80	60	140	65	177	800	540	360	320	19	50	32	730	83	830	88

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 32-125 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 32-125	0,37	MEC 71	3 x 230 - 400 V ~	1,7/0,975	-
	0,55	MEC 80	3 x 230 - 400 V ~	2,6/1,5	-
	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	IE3

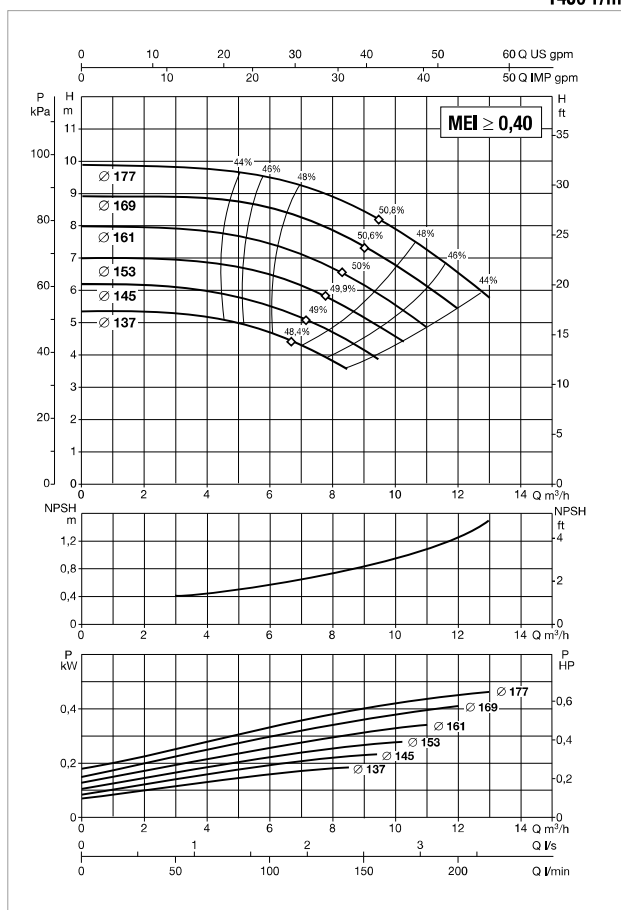
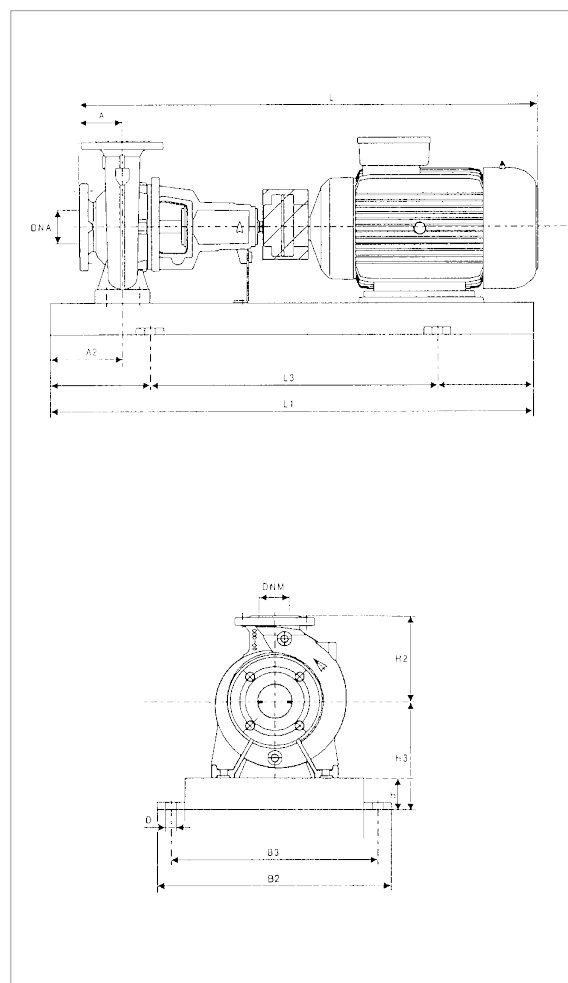
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 32-125	0,37	80	60	140	65	177	800	540	360	320	19	50	32	730	81	830	86
	0,55	80	60	140	65	177	800	540	360	320	19	50	32	730	83	830	88
	0,75	80	60	140	65	177	800	540	360	320	19	50	32	717	78	817	83

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 32-160.1 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 32-160.1	0,37	MEC 71	3 x 230 - 400 V ~	1,7/0,975	—
	0,55	MEC 80	3 x 230 - 400 V ~	2,6/1,5	—
	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	IE3

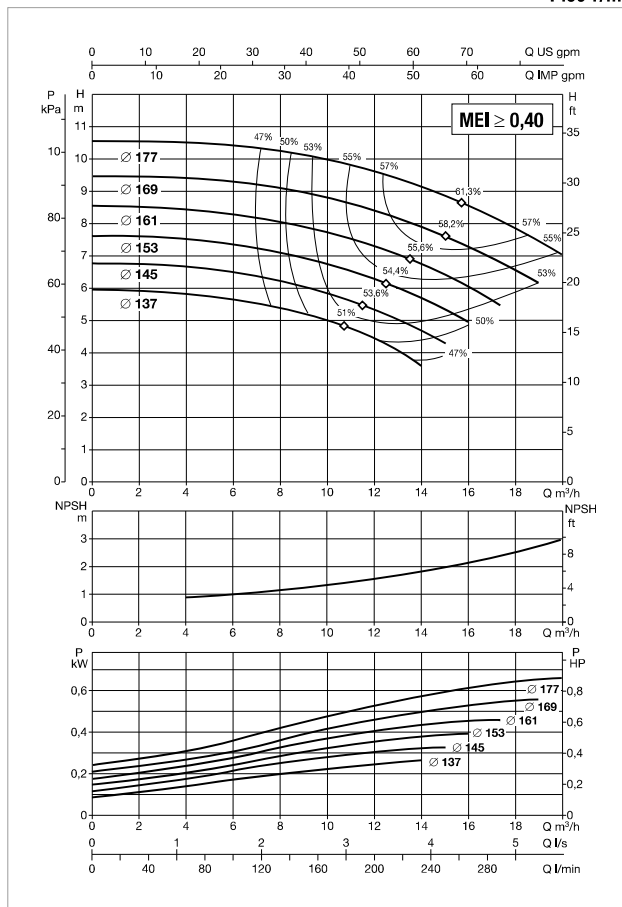
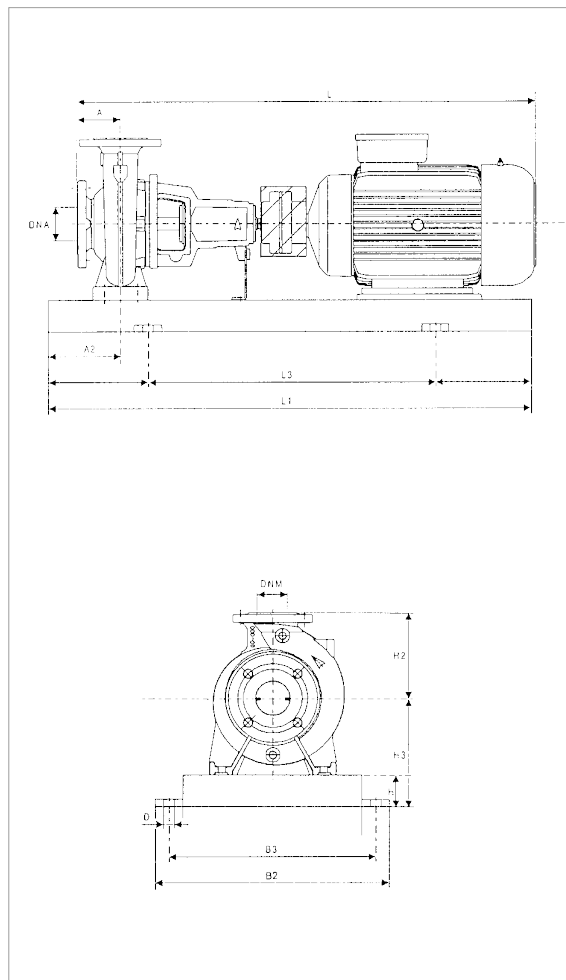
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 32-160.1	0,37	80	60	160	65	197	800	540	360	320	19	50	32	730	83	830	88
	0,55	80	60	160	65	197	800	540	360	320	19	50	32	730	86	830	91
	0,75	80	60	160	65	197	800	540	360	320	19	50	32	717	80	817	85

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 32-160 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 32-160	0,37	MEC 71	3 x 230 - 400 V ~	1,7/0,975	—
	0,55	MEC 80	3 x 230 - 400 V ~	2,6/1,5	—
	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	IE3
	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	IE3

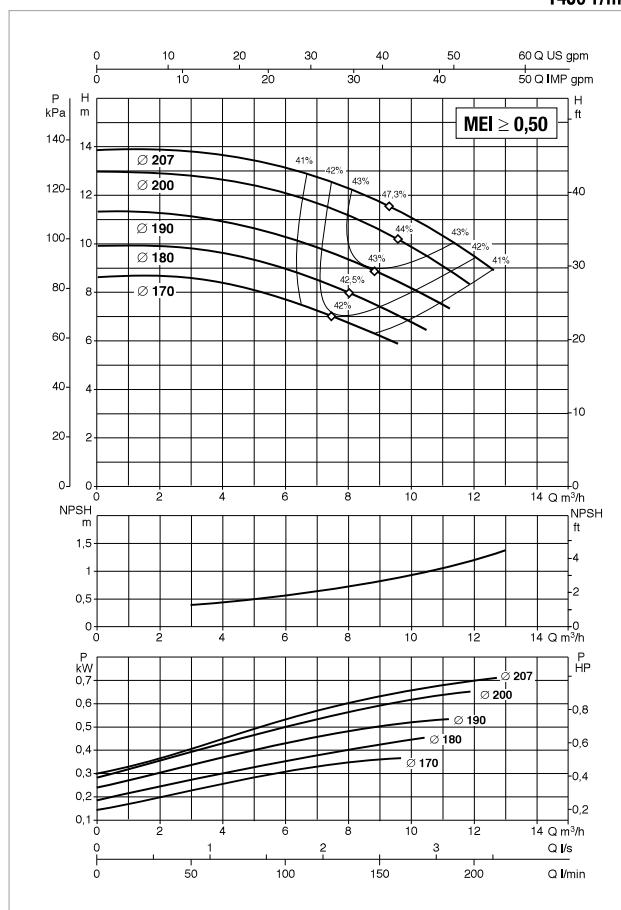
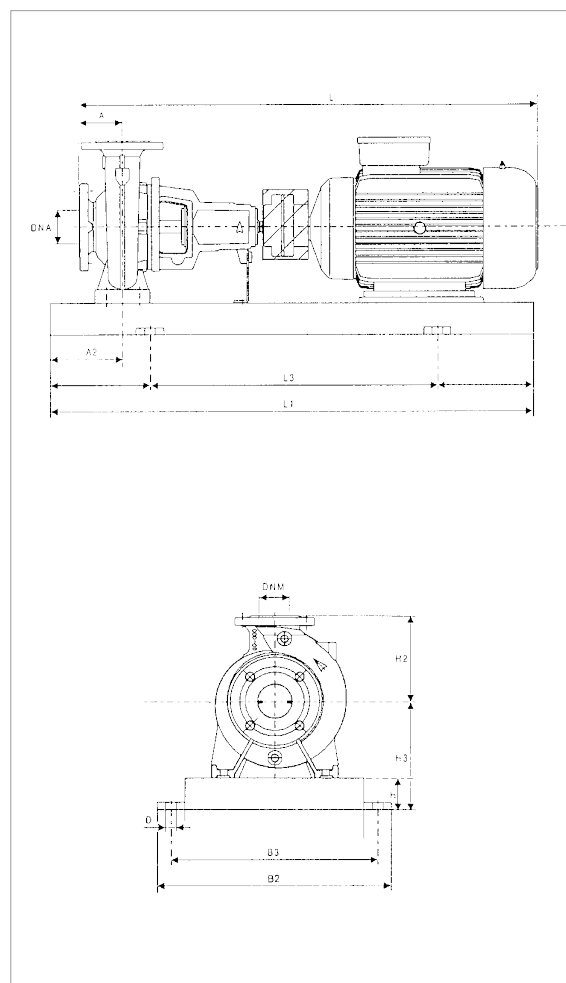
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 32-160	0,37	80	60	160	65	197	800	540	360	320	19	50	32	730	83	830	88
	0,55	80	60	160	65	197	800	540	360	320	19	50	32	730	85	830	90
	0,75	80	60	160	65	197	800	540	360	320	19	50	32	717	80	817	85
	1,1	80	60	160	65	197	800	540	360	320	19	50	32	762	78	862	83

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 32-200.1 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 32-200.1	0,37	MEC 71	3 x 230 - 400 V ~	1,7/0,975	—
	0,55	MEC 80	3 x 230 - 400 V ~	2,6/1,5	—
	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	IE3
	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	IE3

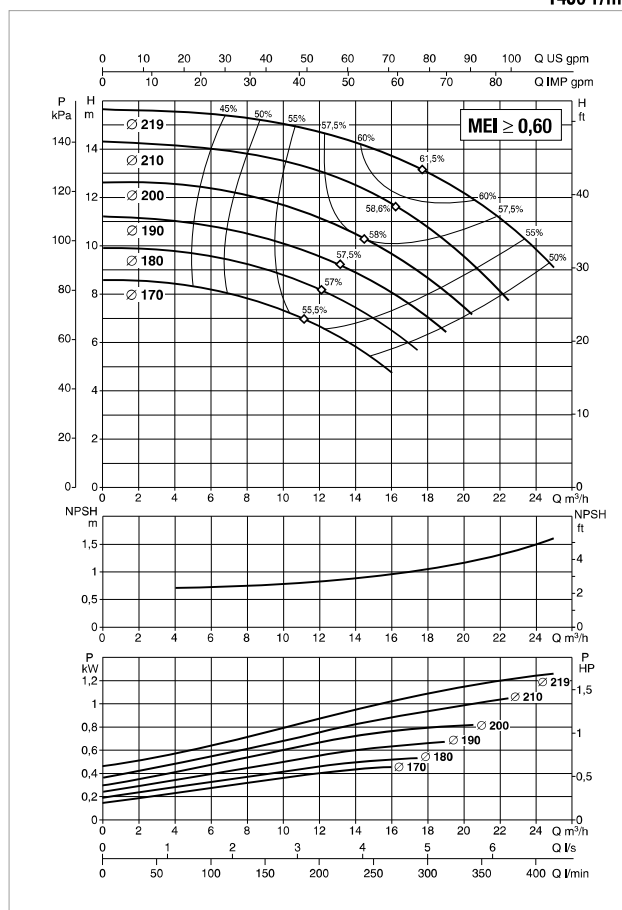
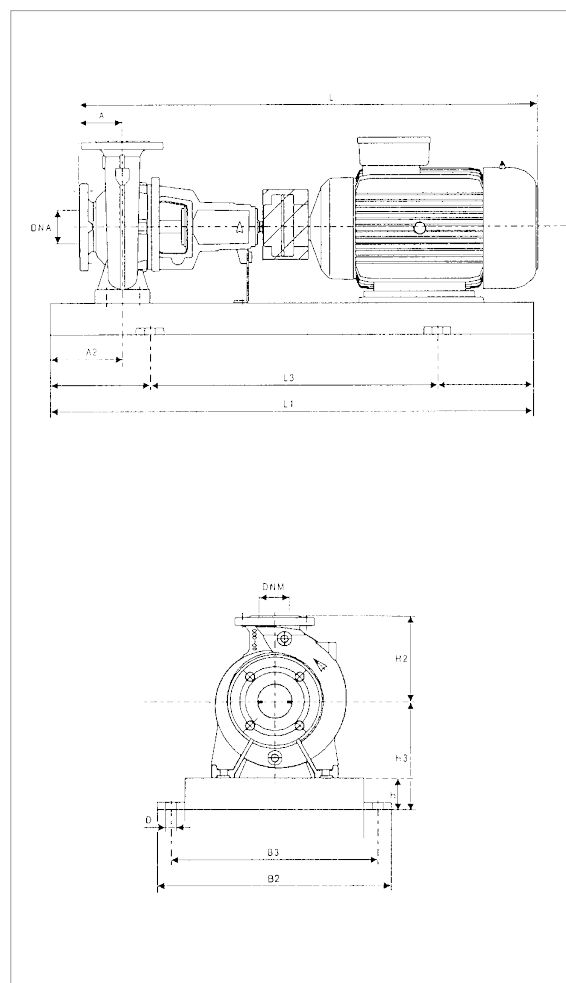
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 32-200.1	0,37	80	60	180	65	225	800	540	360	320	19	50	32	730	87	830	92
	0,55	80	60	180	65	225	800	540	360	320	19	50	32	730	89	830	94
	0,75	80	60	180	65	225	800	540	360	320	19	50	32	717	95	817	100
	1,1	80	60	180	65	225	800	540	360	320	19	50	32	762	96	862	101

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 32-200 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 32-200	0,37	MEC 71	3 x 230 - 400 V ~	1,7/0,975	—
	0,55	MEC 80	3 x 230 - 400 V ~	2,6/1,5	—
	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	IE3
	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	IE3
	1,5	MEC 90L	3 x 230 - 400 V ~	6,2/3,6	IE3
	2,2	MEC 100L	3 x 230 - 400 V ~	10,2/5,9	IE3

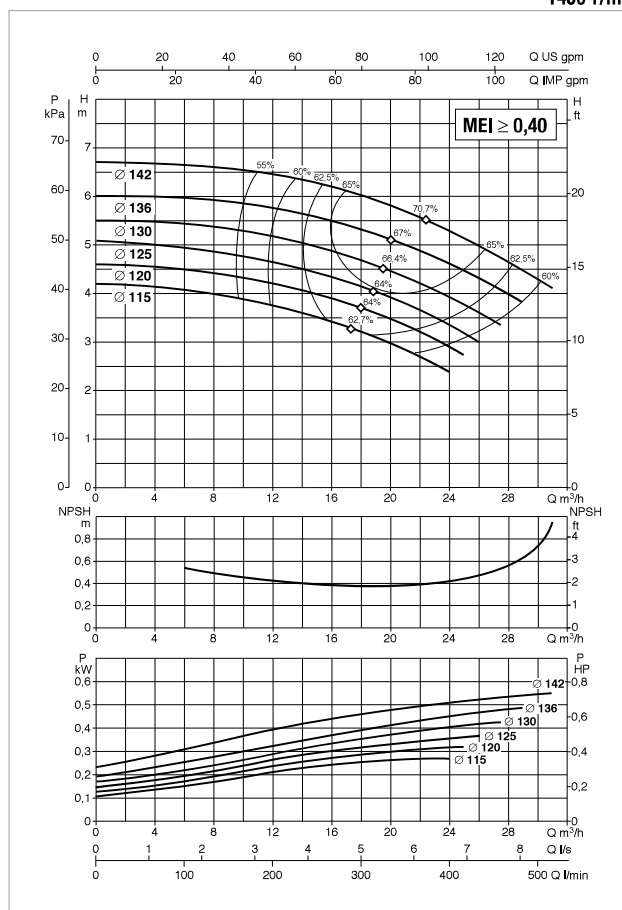
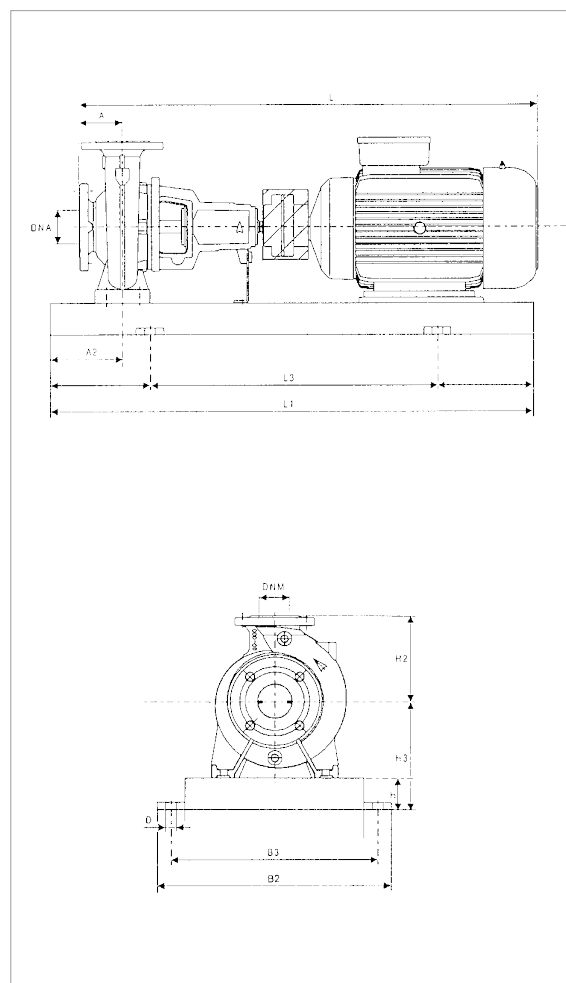
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 32-200	0,37	80	60	180	65	225	800	540	360	320	19	50	32	730	87	830	92
	0,55	80	60	180	65	225	800	540	360	320	19	50	32	730	89	830	94
	0,75	80	60	180	65	225	800	540	360	320	19	50	32	717	84	817	89
	1,1	80	60	180	65	225	800	540	360	320	19	50	32	762	91	862	96
	1,5	80	60	180	65	225	900	600	390	350	19	50	32	762	87	862	92
	2,2	80	60	180	65	225	900	600	390	350	19	50	32	811	92	911	97

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 40-125 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 40-125	0,37	MEC 71	3 x 230 - 400 V ~	1,7/0,975	—
	0,55	MEC 80	3 x 230 - 400 V ~	2,6/1,5	—
	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	E3
	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	E3

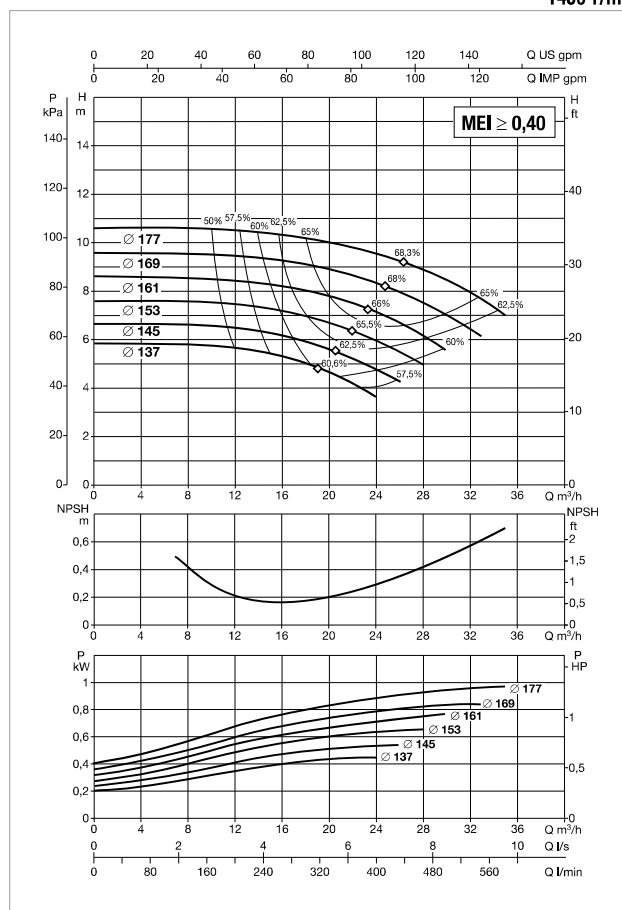
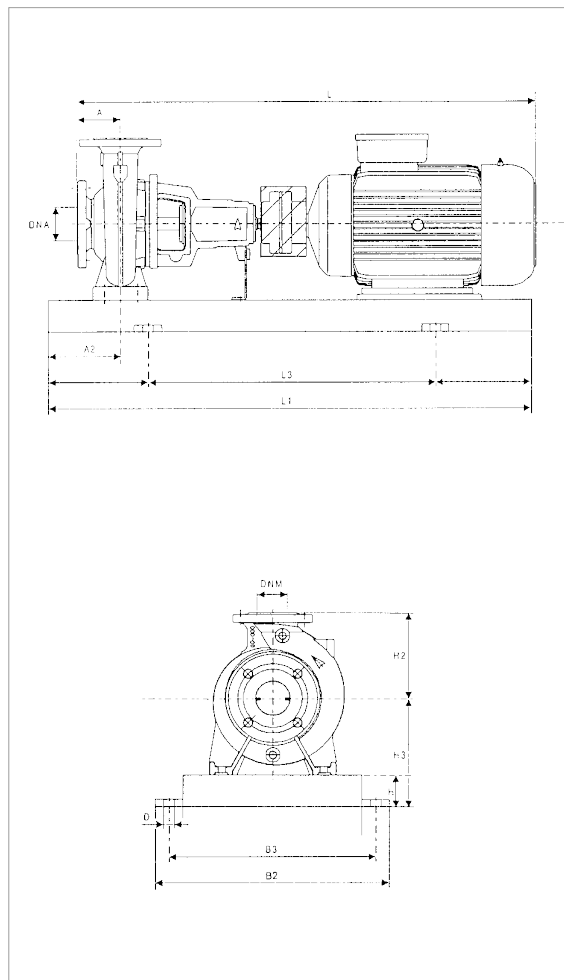
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 40-125	0,37	80	60	140	65	177	800	540	360	320	19	65	40	730	81	830	86
	0,55	80	60	140	65	177	800	540	360	320	19	65	40	730	83	830	88
	0,75	80	60	140	65	177	800	540	360	320	19	65	40	717	78	817	83
	1,1	80	60	140	65	177	800	540	360	320	19	65	40	762	76	862	71

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 40-160 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 40-160	0,37	MEC 71	3 x 230 - 400 V ~	1,7/0,975	-
	0,55	MEC 80	3 x 230 - 400 V ~	2,6/1,5	-
	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	IE3
	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	IE3
	1,5	MEC 90L	3 x 230 - 400 V ~	6,2/3,6	IE3

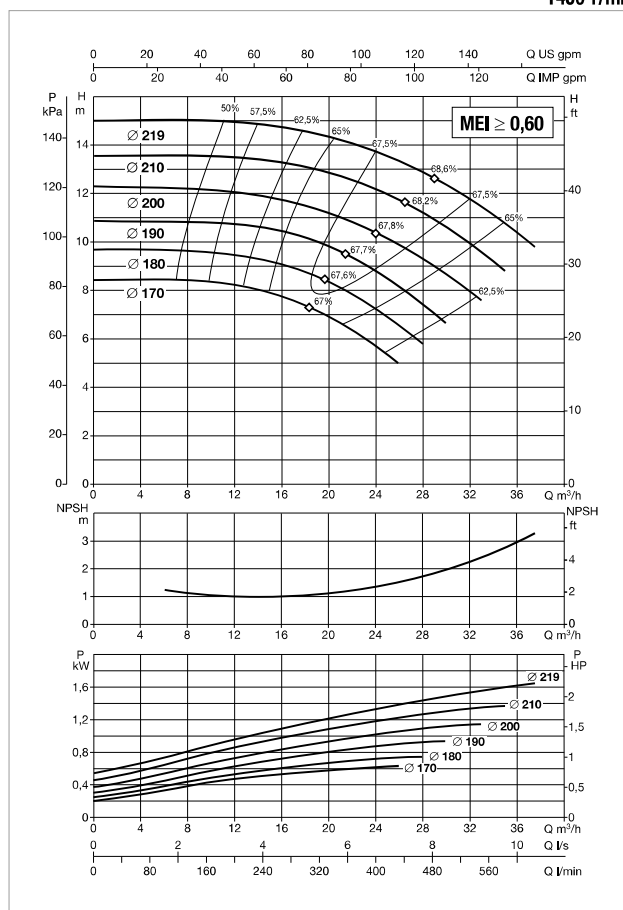
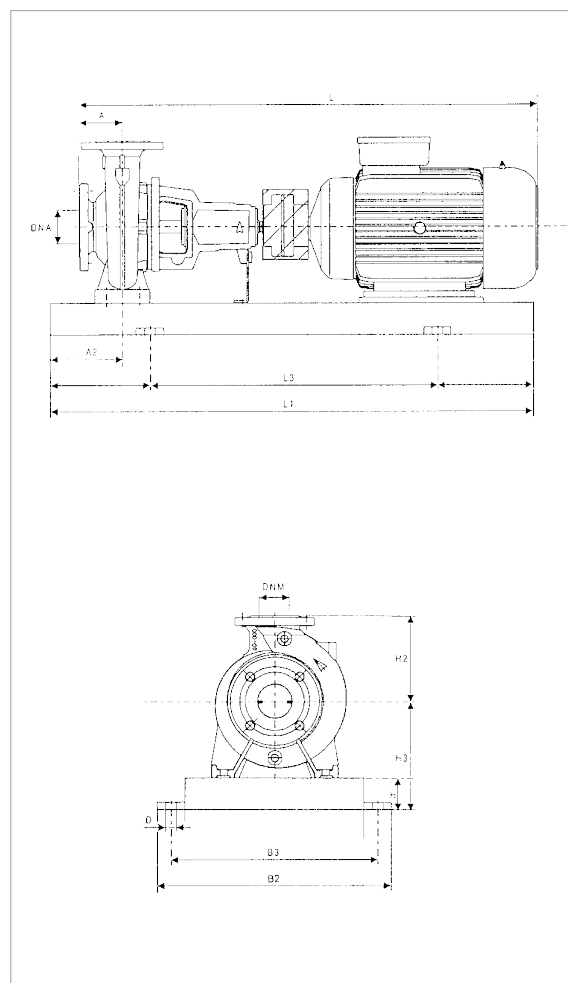
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 40-160	0,37	80	60	160	65	197	800	540	360	320	19	65	40	730	85	830	90
	0,55	80	60	160	65	197	800	540	360	320	19	65	40	730	89	830	94
	0,75	80	60	160	65	197	800	540	360	320	19	65	40	717	83	817	88
	1,1	80	60	160	65	197	800	540	360	320	19	65	40	762	81	862	86
	1,5	80	60	160	65	197	900	600	390	350	19	65	40	762	87	862	92

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 40-200 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 40-200	0,55	MEC 80	3 x 230 - 400 V ~	2,6/1,5	-
	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	IE3
	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	IE3
	1,5	MEC 90L	3 x 230 - 400 V ~	6,2/3,6	IE3
	2,2	MEC 100L	3 x 230 - 400 V ~	10,2/5,9	IE3
	3	MEC 100L	3 x 400 V ~ ¹	6,8	IE3

¹ Star start-up possible (Δ)

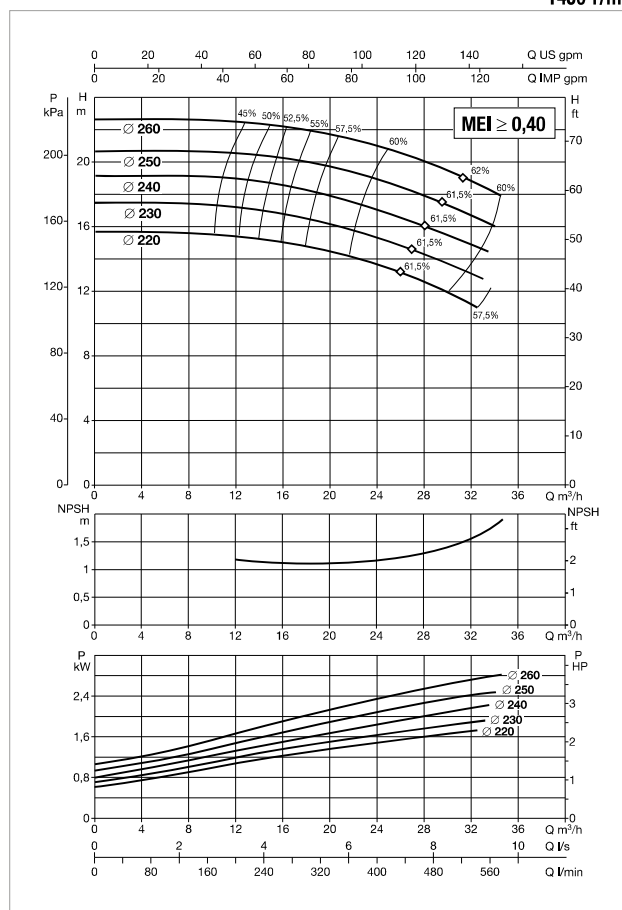
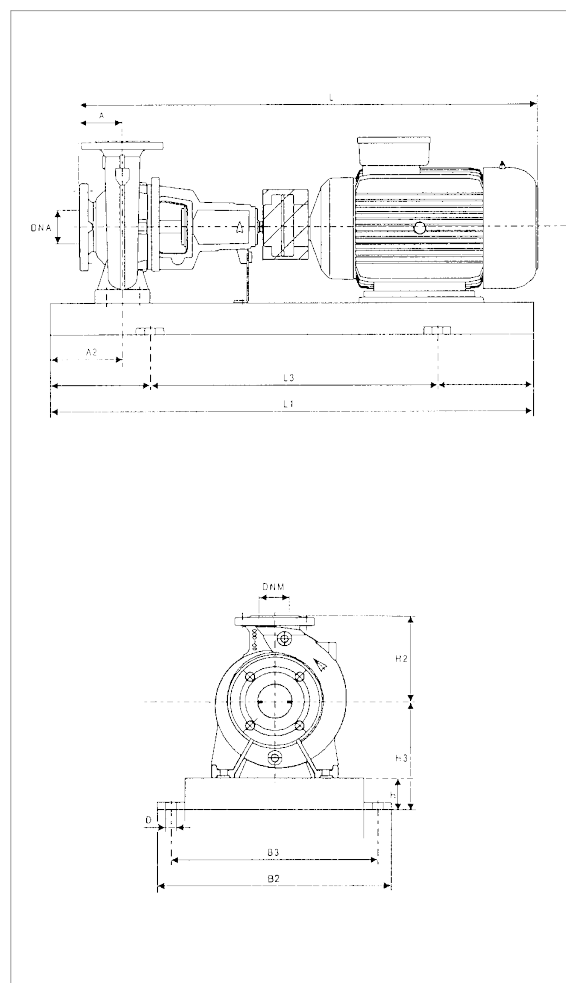
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 40-200	0,55	100	60	180	65	225	900	600	390	350	19	65	40	750	98	850	103
	0,75	100	60	180	65	225	900	600	390	350	19	65	40	737	92	837	97
	1,1	100	60	180	65	225	900	600	390	350	19	65	40	782	91	882	96
	1,5	100	60	180	65	225	900	600	390	350	19	65	40	782	91	882	96
	2,2	100	60	180	65	225	900	600	390	350	19	65	40	831	101	931	106
	3	100	60	180	65	225	900	600	390	350	19	65	40	846	104	946	109

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 40-250 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 40-250	1,5	MEC 90L	3 x 230 - 400 V ~	6,2/3,6	IE3
	2,2	MEC 100L	3 x 230 - 400 V ~	10,2/5,9	IE3
	3	MEC 100L	3 x 400 V ~ ¹	6,8	IE3
	4	MEC 112M	3 x 400 V ~ ¹	8,2	IE3

¹ Star start-up possible (Δ)

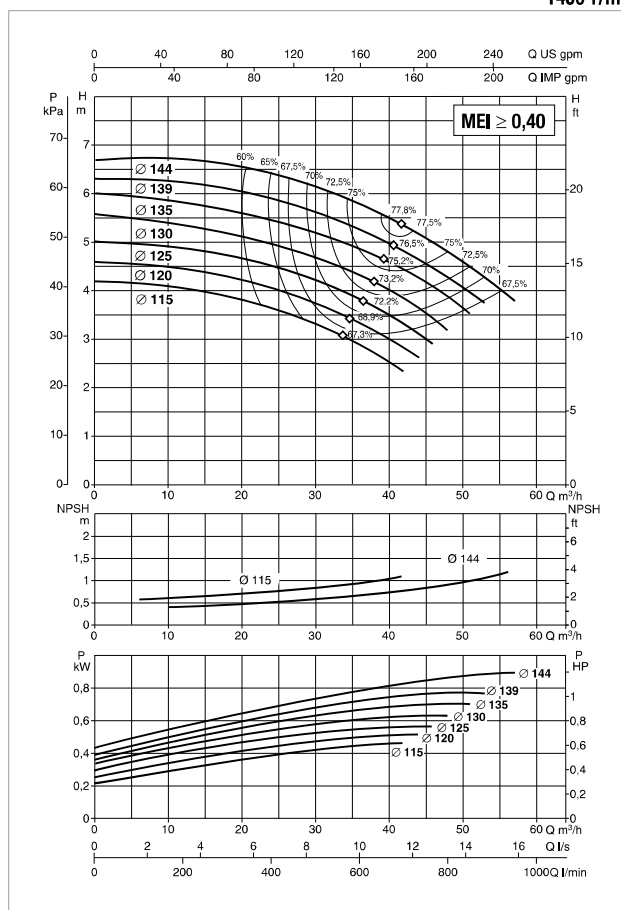
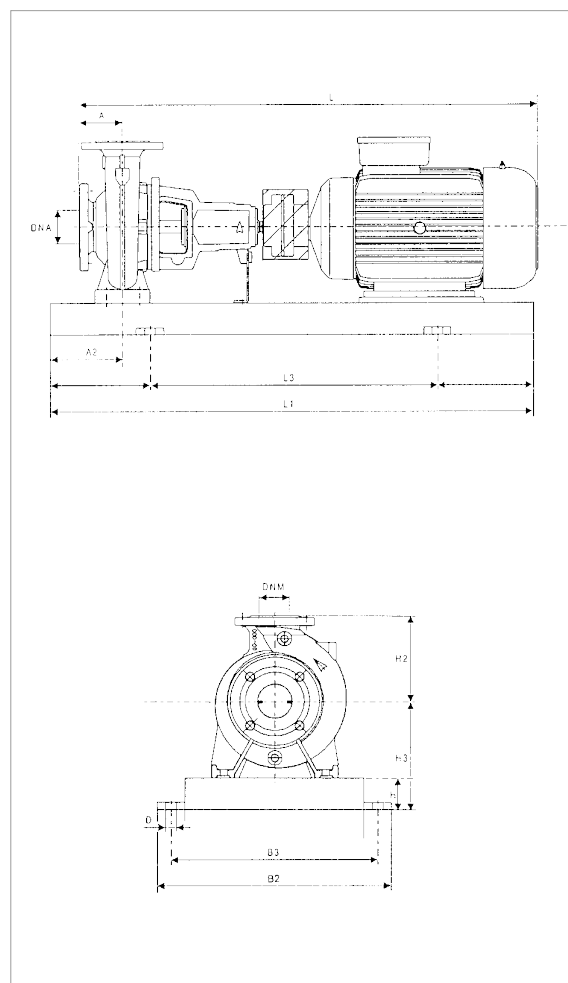
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 40-250	1,5	100	75	225	80	260	1000	660	450	400	24	65	40	782	111	882	116
	2,2	100	75	225	80	260	1000	660	450	400	24	65	40	831	119	931	124
	3	100	75	225	80	260	1000	660	450	400	24	65	40	846	135	946	140
	4	100	75	225	80	260	1000	660	450	400	24	65	40	853	179	953	184

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 50-125 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 50-125	0,37	MEC 71	3 x 230 - 400 V ~	1,7/0,975	-
	0,55	MEC 80	3 x 230 - 400 V ~	2,6/1,5	-
	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	IE3
	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	IE3
	1,5	MEC 90L	3 x 230 - 400 V ~	6,2/3,6	IE3

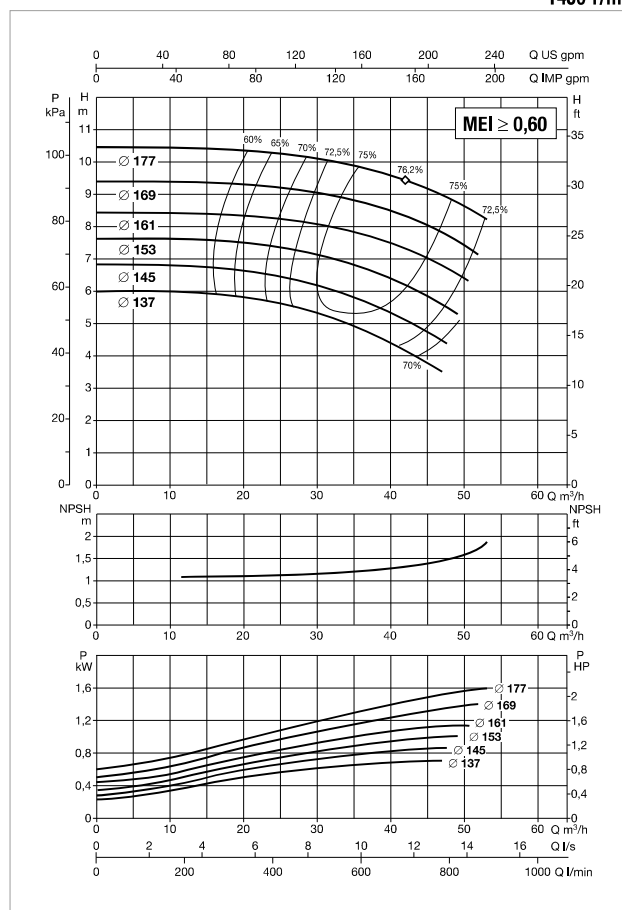
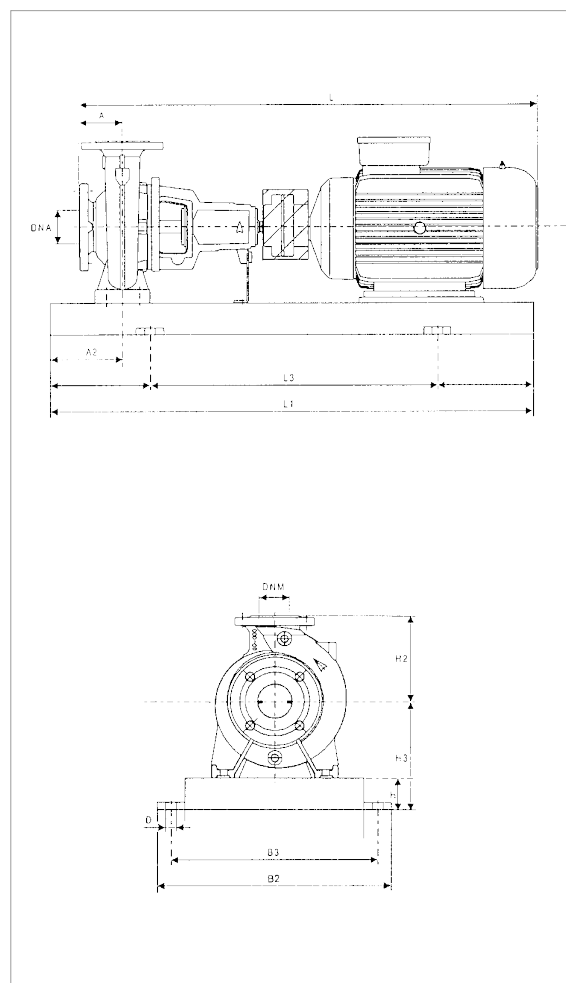
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 50-125	0,37	100	60	160	65	197	800	540	360	320	19	65	50	750	87	850	92
	0,55	100	60	160	65	197	800	540	360	320	19	65	50	750	90	850	95
	0,75	100	60	160	65	197	800	540	360	320	19	65	50	737	85	837	90
	1,1	100	60	160	65	197	800	540	360	320	19	65	50	782	83	882	88
	1,5	100	60	160	65	197	900	600	390	350	19	65	50	782	87	882	92

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 50-160 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 50-160	0,55	MEC 80	3 x 230 - 400 V ~	2,6/1,5	—
	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	IE3
	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	IE3
	1,5	MEC 90L	3 x 230 - 400 V ~	6,2/3,6	IE3
	2,2	MEC 100L	3 x 230 - 400 V ~	10,2/5,9	IE3
	3	MEC 100L	3 x 400 V ~ ¹	6,8	IE3

¹ Star start-up possible (Δ)

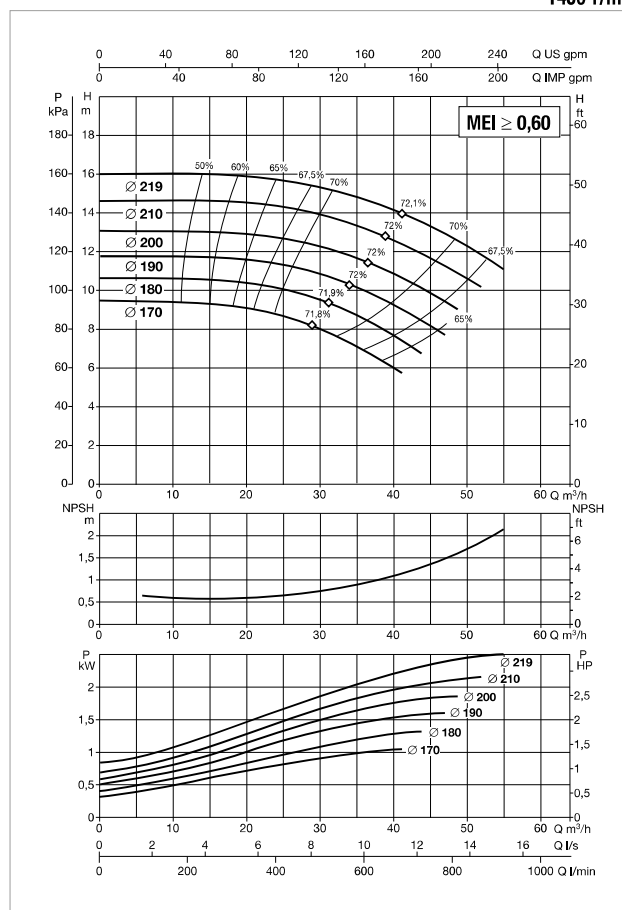
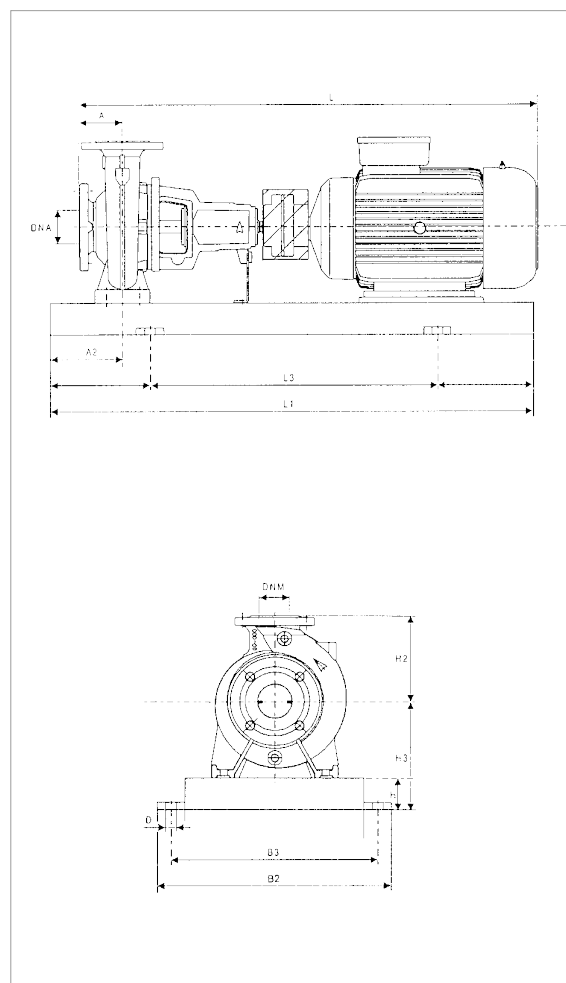
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 50-160	0,55	100	60	180	65	225	900	600	390	350	19	65	50	750	97	850	102
	0,75	100	60	180	65	225	900	600	390	350	19	65	50	737	92	837	97
	1,1	100	60	180	65	225	900	600	390	350	19	65	50	782	90	882	95
	1,5	100	60	180	65	225	900	600	390	350	19	65	50	782	89	882	94
	2,2	100	60	180	65	225	900	600	390	350	19	65	50	831	97	931	102
	3	100	60	180	65	225	900	600	390	350	19	65	50	846	96	946	101

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 50-200 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 50-200	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	E3
	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	E3
	1,5	MEC 90L	3 x 230 - 400 V ~	6,2/3,6	E3
	2,2	MEC 100L	3 x 230 - 400 V ~	10,2/5,9	E3
	3	MEC 100L	3 x 400 V ~ ¹	6,8	E3
	4	MEC 112M	3 x 400 V ~ ¹	8,2	E3

¹ Star start-up possible (Δ)

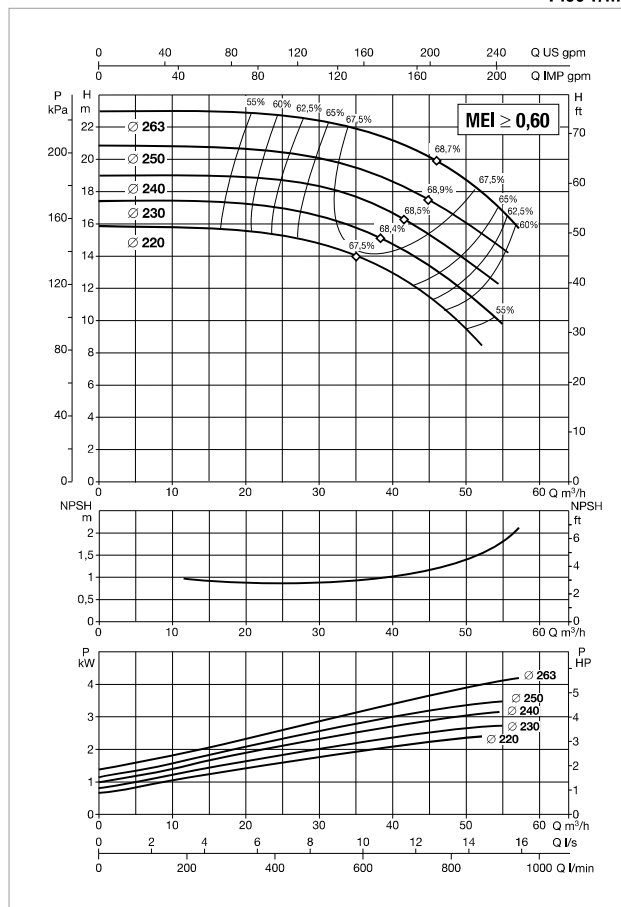
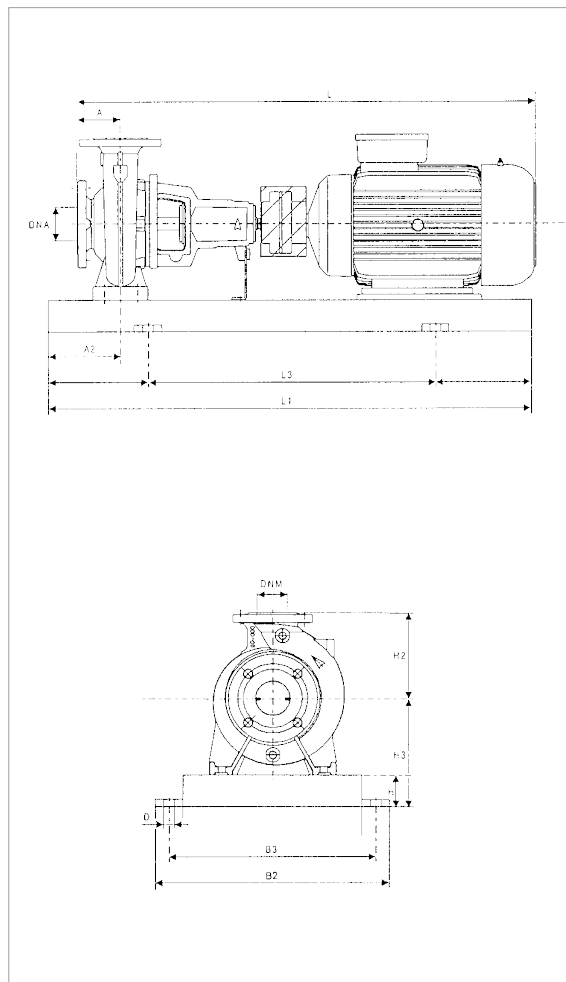
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 50-200	0,75	100	60	200	65	225	900	600	390	350	19	65	50	737	98	837	103
	1,1	100	60	200	65	225	900	600	390	350	19	65	50	782	97	882	102
	1,5	100	60	200	65	225	900	600	390	350	19	65	50	782	100	882	105
	2,2	100	60	200	65	225	900	600	390	350	19	65	50	831	113	931	118
	3	100	60	200	65	225	900	600	390	350	19	65	50	846	108	946	113
	4	100	60	200	65	225	900	600	390	350	19	65	50	853	101	953	106

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 50-250 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 50-250	2,2	MEC 100L	3 x 230 - 400 V ~	10,2/5,9	IE3
	3	MEC 100L	3 x 400 V ~ ¹	6,8	IE3
	4	MEC 112M	3 x 400 V ~ ¹	8,2	IE3
	5,5	MEC 132S	3 x 400 V ~ ¹	10,6	IE3

¹ Star start-up possible (Δ)

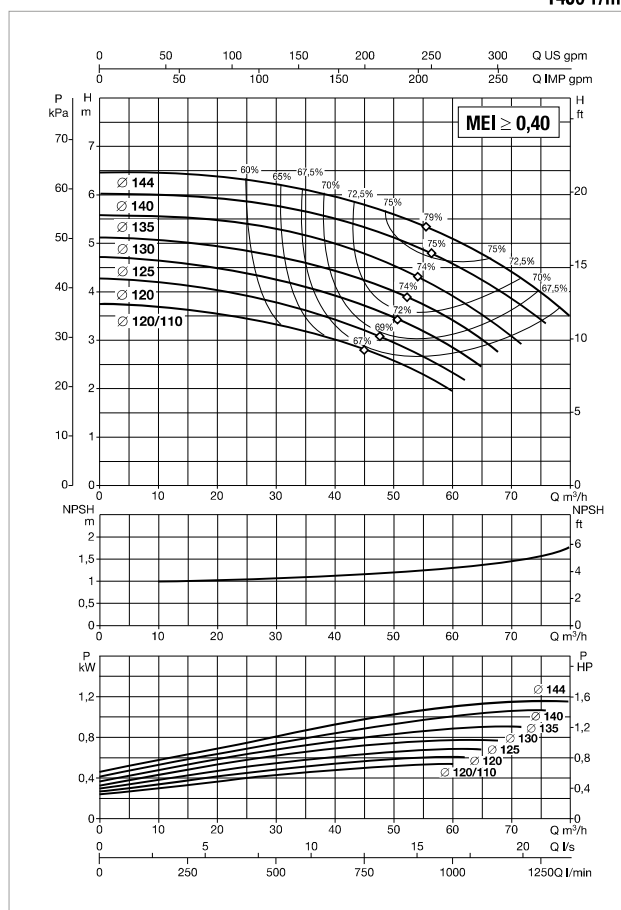
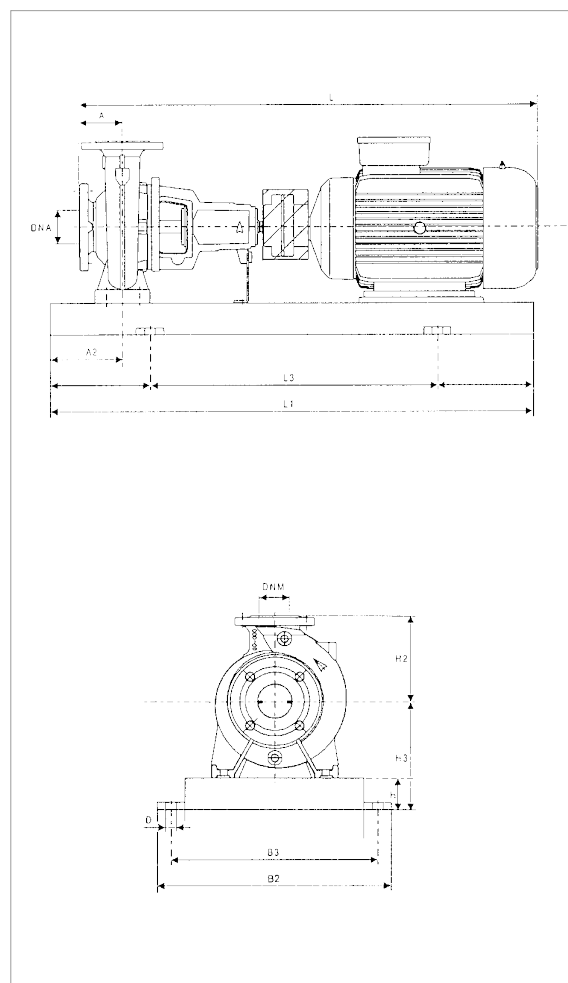
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 50-250	2,2	100	75	225	80	260	1000	660	450	400	24	65	50	831	125	931	130
	3	100	75	225	80	260	1000	660	450	400	24	65	50	846	124	946	129
	4	100	75	225	80	260	1000	660	450	400	24	65	50	853	144	953	149
	5,5	100	75	225	80	260	1120	740	490	440	24	65	50	910	165	1010	170

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 65-125 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 65-125	0,37	MEC 71	3 x 230 - 400 V ~	1,7/0,975	-
	0,55	MEC 80	3 x 230 - 400 V ~	2,6/1,5	-
	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	E3
	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	E3
	1,5	MEC 90L	3 x 230 - 400 V ~	6,2/3,6	E3
	2,2	MEC 100L	3 x 230 - 400 V ~	10,2/5,9	E3

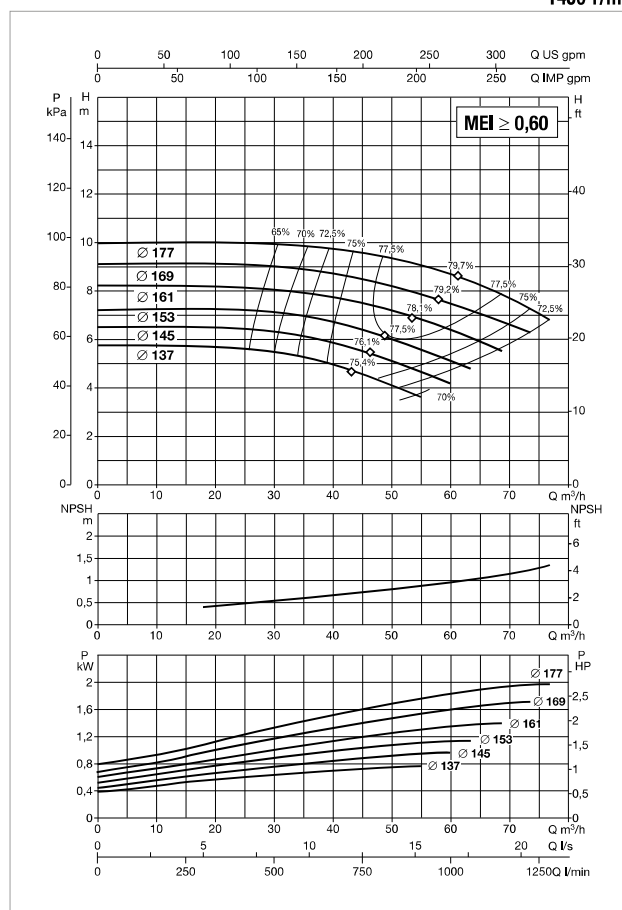
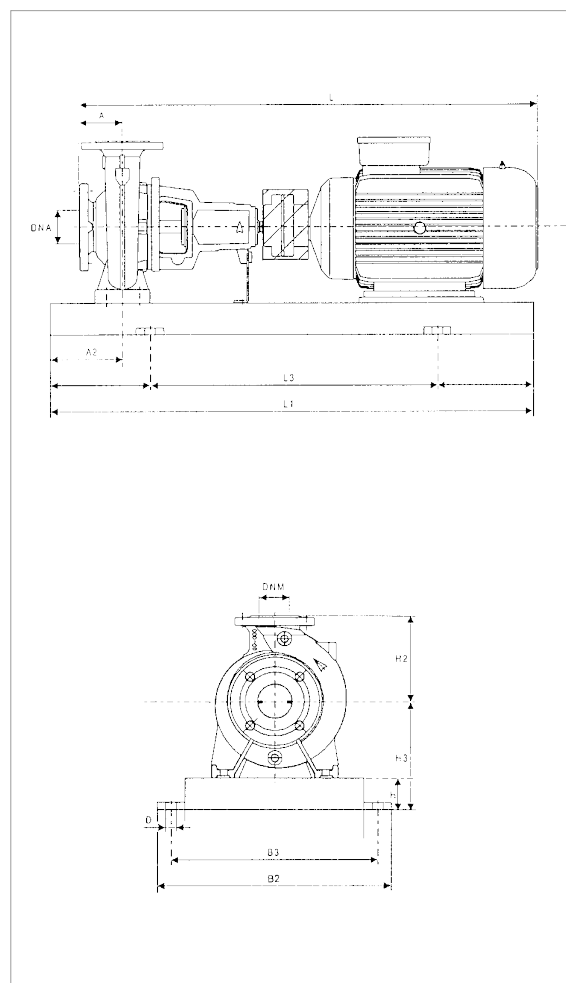
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 65-125	0,37	100	60	180	65	225	900	600	390	350	19	80	65	714	94	814	99
	0,55	100	60	180	65	225	900	600	390	350	19	80	65	757	97	857	102
	0,75	100	60	180	65	225	900	600	390	350	19	80	65	737	92	837	97
	1,1	100	60	180	65	225	900	600	390	350	19	80	65	782	90	882	95
	1,5	100	60	180	65	225	900	600	390	350	19	80	65	782	89	882	94
	2,2	100	60	180	65	225	900	600	390	350	19	80	65	831	97	931	102

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 65-160 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 65-160	0,75	MEC 80	3 x 230 - 400 V ~	3,1/1,8	IE3
	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	IE3
	1,5	MEC 90L	3 x 230 - 400 V ~	6,2/3,6	IE3
	2,2	MEC 100L	3 x 230 - 400 V ~	10,2/5,9	IE3
	3	MEC 100L	3 x 400 V ~ ¹	6,8	IE3

¹ Star start-up possible (Δ)

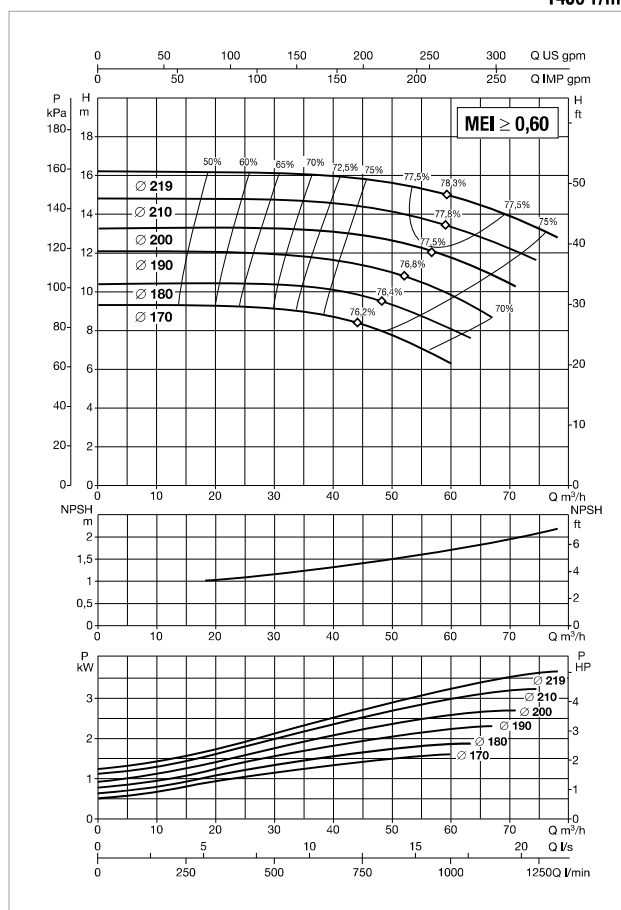
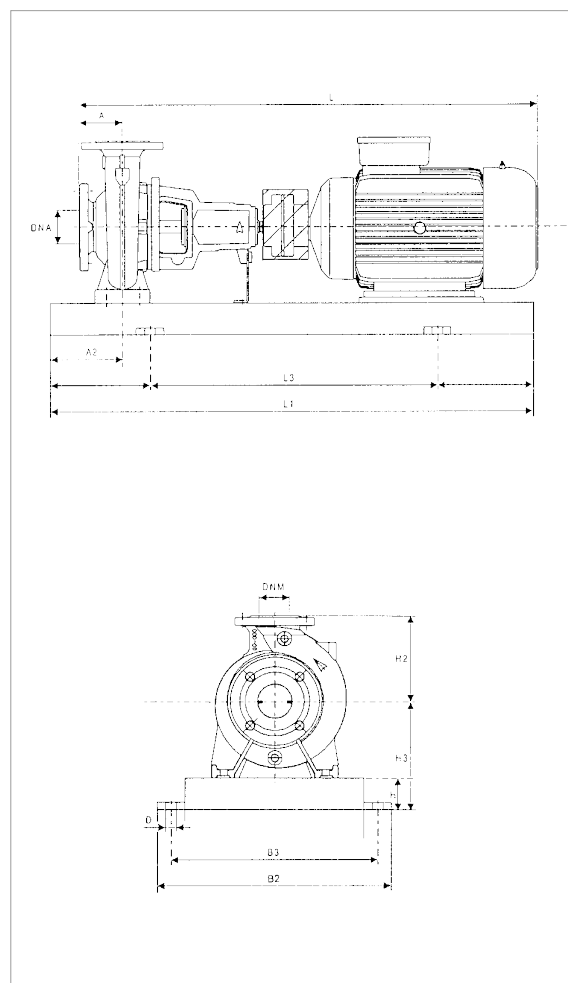
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 65-160	0,75	100	60	200	65	225	900	600	390	350	19	80	65	737	95	837	100
	1,1	100	60	200	65	225	900	600	390	350	19	80	65	782	93	882	98
	1,5	100	60	200	65	225	900	600	390	350	19	80	65	782	100	882	105
	2,2	100	60	200	65	225	900	600	390	350	19	80	65	831	104	931	109
	3	100	60	200	65	225	900	600	390	350	19	80	65	846	134	946	139

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 65-200 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 65-200	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	E3
	1,5	MEC 90L	3 x 230 - 400 V ~	6,2/3,6	E3
	2,2	MEC 100L	3 x 230 - 400 V ~	10,2/5,9	E3
	3	MEC 100L	3 x 400 V ~ ¹	6,8	E3
	4	MEC 112M	3 x 400 V ~ ¹	8,2	E3
	5,5	MEC 132S	3 x 400 V ~ ¹	10,6	E3

¹ Star start-up possible (Δ)

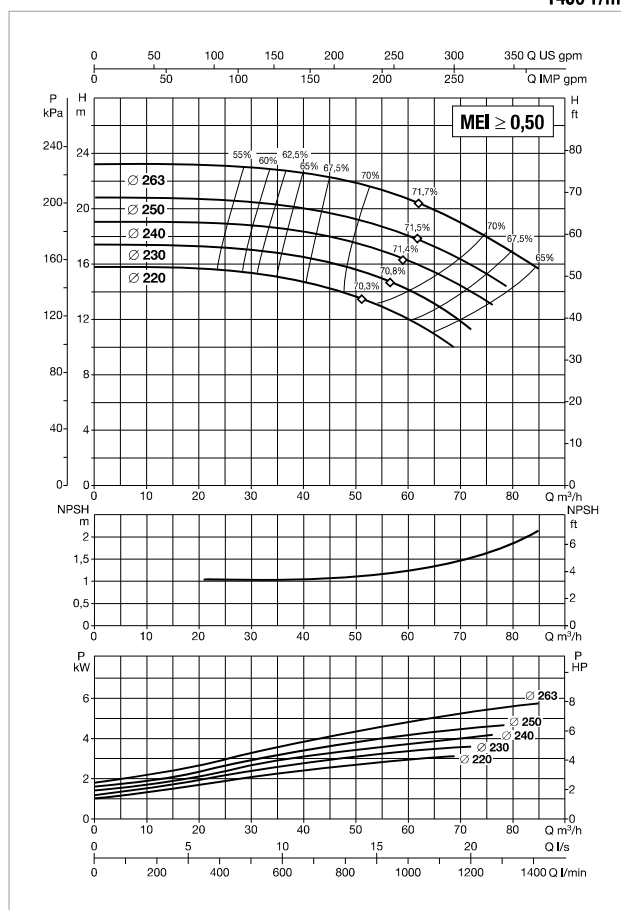
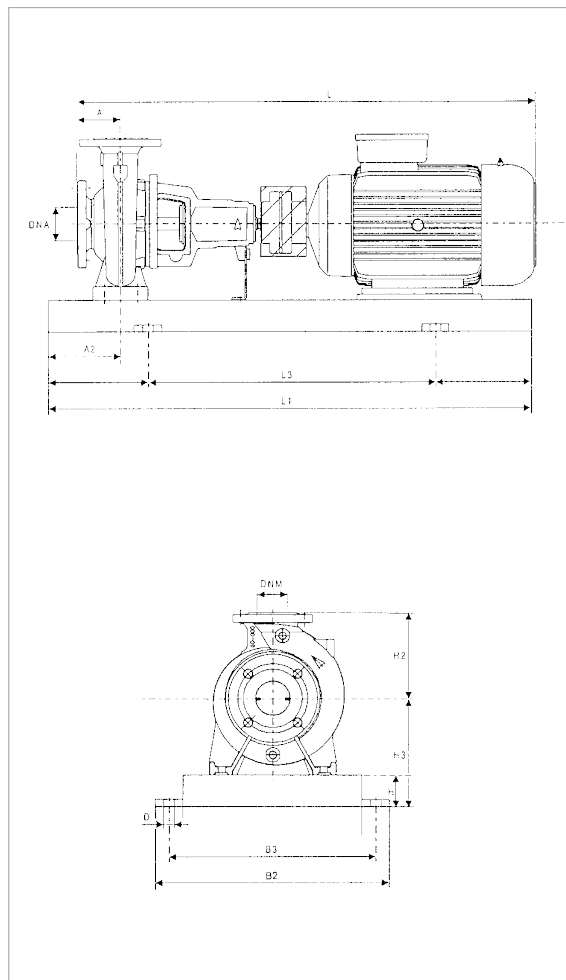
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 65-200	1,1	100	75	225	80	260	1000	660	450	400	24	80	65	782	131	922	136
	1,5	100	75	225	80	260	1000	660	450	400	24	80	65	782	129	922	134
	2,2	100	75	225	80	260	1120	740	490	440	24	80	65	831	137	971	142
	3	100	75	225	80	260	1120	740	490	440	24	80	65	846	136	986	141
	4	100	75	225	80	260	1120	740	490	440	24	80	65	853	129	993	134
	5,5	100	75	225	80	260	1120	740	490	440	24	80	65	910	192	1050	197

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 65-250 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 65-250	3	MEC 100L	3 x 400 V ~ 1	6,8	E3
	4	MEC 112M	3 x 400 V ~ 1	8,2	E3
	5,5	MEC 132S	3 x 400 V ~ 1	10,6	E3
	7,5	MEC 132M	3 x 400 V ~ 1	15,3	E3
	11	MEC 160M	3 x 400 V ~ 1	22,4	E3

¹ Star start-up possible (Δ)

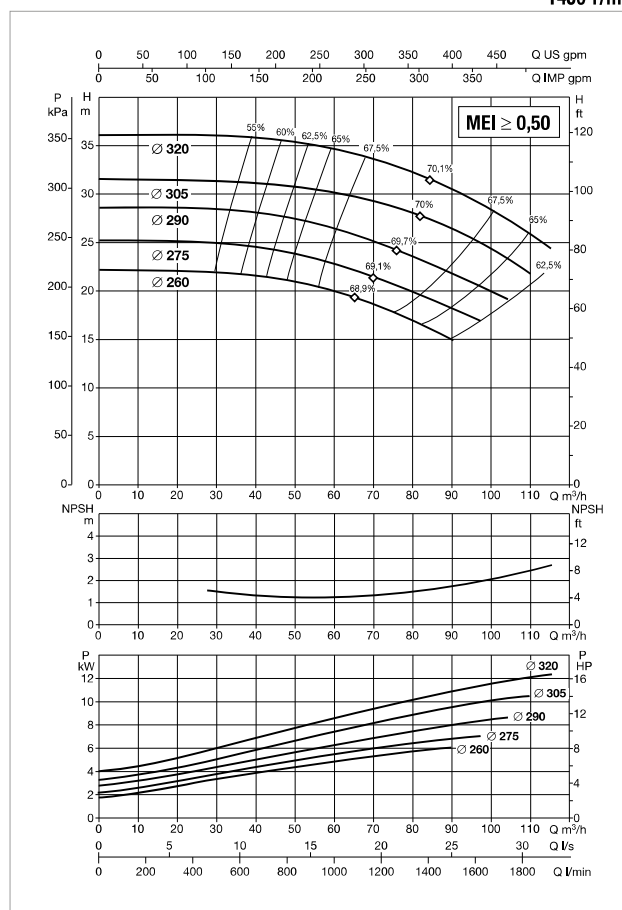
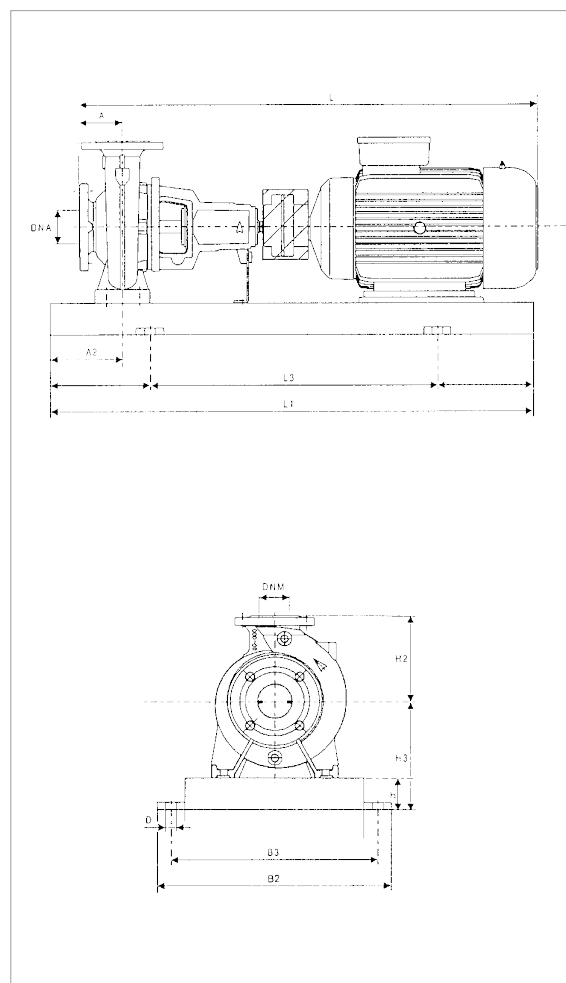
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 65-250	3	100	90	250	80	280	1120	740	490	440	24	80	65	956	164	1096	172
	4	100	90	250	80	280	1120	740	490	440	24	80	65	963	164	1103	172
	5,5	100	90	250	80	280	1120	740	490	440	24	80	65	1020	193	1160	201
	7,5	100	90	250	80	280	1120	740	490	440	24	80	65	1020	238	1160	246
	11	100	90	250	80	280	1250	840	540	490	24	80	65	1183	277	1323	285

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 65-315 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 65-315	5,5	MEC 132S	3 x 400 V ~ 1	10,6	IE3
	7,5	MEC 132M	3 x 400 V ~ 1	15,3	IE3
	11	MEC 160M	3 x 400 V ~ 1	22,4	IE3
	15	MEC 160L	3 x 400 V ~ 1	30,5	IE3
	18,5	MEC 180M	3 x 400 V ~ 1	34,3	IE3

¹ Star start-up possible (Δ)

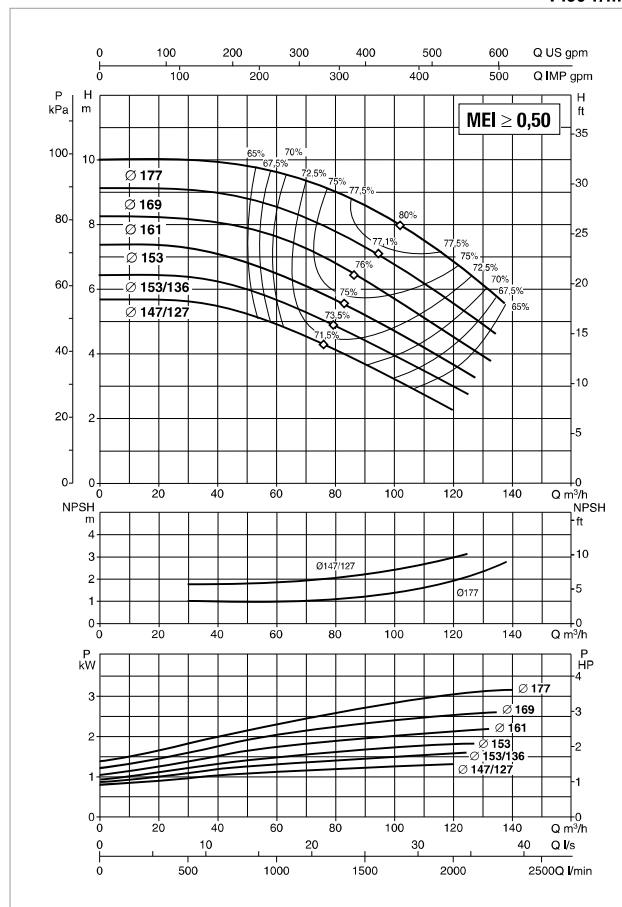
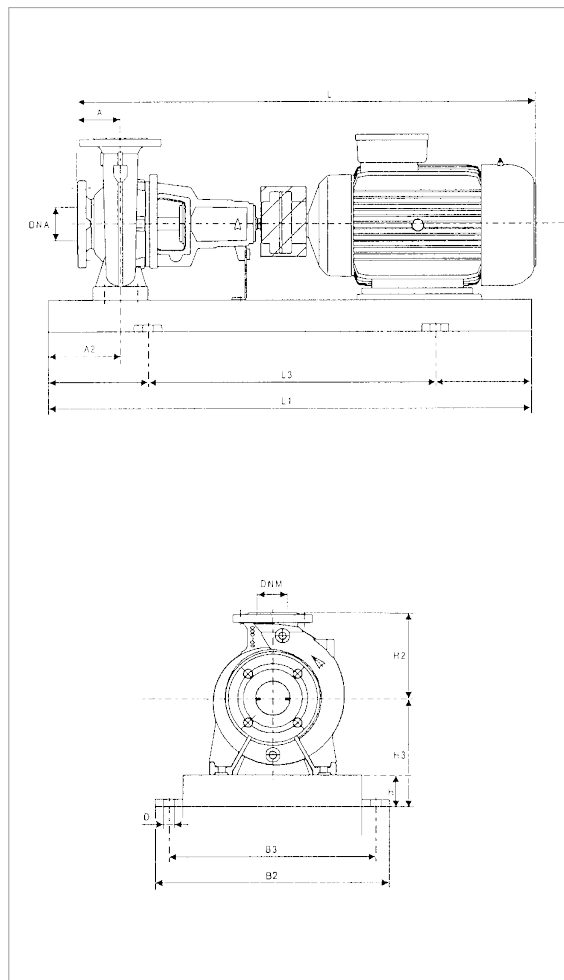
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 65-315	5,5	125	90	280	80	305	1250	840	540	490	24	80	65	1045	251	1185	259
	7,5	125	90	280	80	305	1250	840	540	490	24	80	65	1045	273	1185	281
	11	125	90	280	80	305	1250	840	540	490	24	80	65	1208	271	1348	279
	15	125	90	280	100	325	1400	940	610	550	28	80	65	1252	272	1392	280
	18,5	125	90	280	100	325	1400	940	610	550	28	80	65	1287	291	1427	299

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 80-160 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 80-160	1,1	MEC 90S	3 x 230 - 400 V ~	4,3/2,5	IE3
	1,5	MEC 90L	3 x 230 - 400 V ~	6,2/3,6	IE3
	2,2	MEC 100L	3 x 230 - 400 V ~	10,2/5,9	IE3
	3	MEC 100L	3 x 400 V ~ ¹	6,8	IE3
	4	MEC 112M	3 x 400 V ~ ¹	8,2	IE3
	5,5	MEC 132S	3 x 400 V ~ ¹	10,6	IE3

¹ Star start-up possible (Δ)

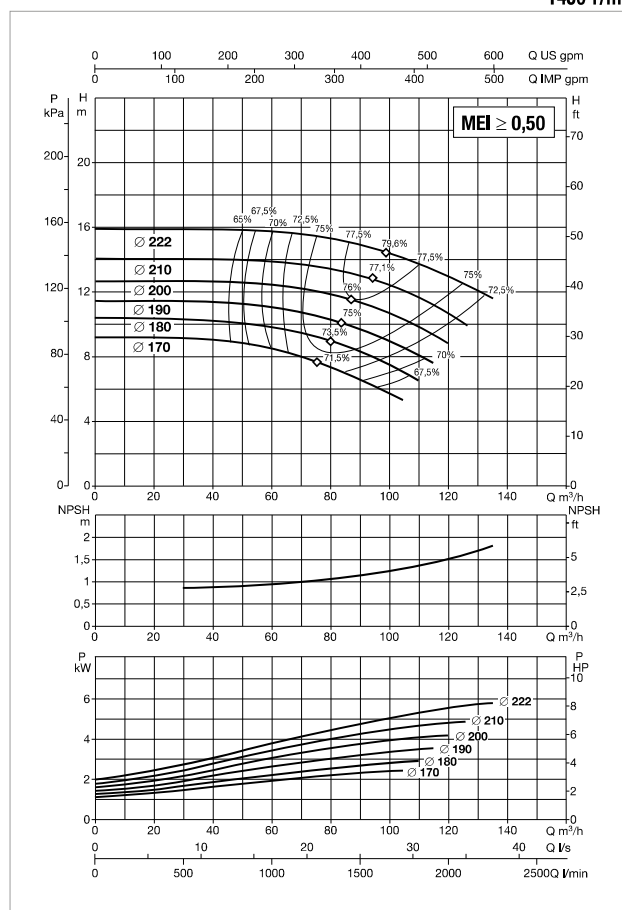
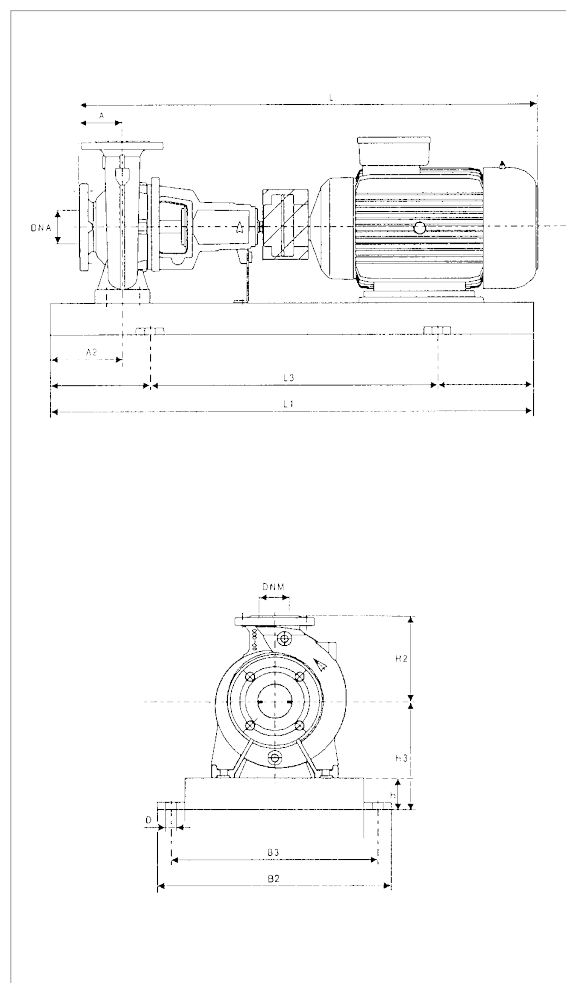
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 80-160	1,1	125	75	225	80	260	1000	660	450	400	24	100	80	807	115	947	123
	1,5	125	75	225	80	260	1000	660	450	400	24	100	80	807	113	947	121
	2,2	125	75	225	80	260	1000	660	450	400	24	100	80	856	129	996	137
	3	125	75	225	80	260	1000	660	450	400	24	100	80	871	124	1011	132
	4	125	75	225	80	260	1000	660	450	400	24	100	80	878	117	1018	125
	5,5	125	75	225	80	260	1120	740	490	440	24	100	80	935	155	1075	163

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 80-200 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 80-200	1,5	MEC 90L	3 x 230 - 400 V ~	6,2/3,6	E3
	2,2	MEC 100L	3 x 230 - 400 V ~	10,2/5,9	E3
	3	MEC 100L	3 x 400 V ~ ¹	6,8	E3
	4	MEC 112M	3 x 400 V ~ ¹	8,2	E3
	5,5	MEC 132S	3 x 400 V ~ ¹	10,6	E3
	7,5	MEC 132M	3 x 400 V ~ ¹	15,3	E3
	11	MEC 160M	3 x 400 V ~ ¹	22,4	E3

¹ Star start-up possible (Δ)

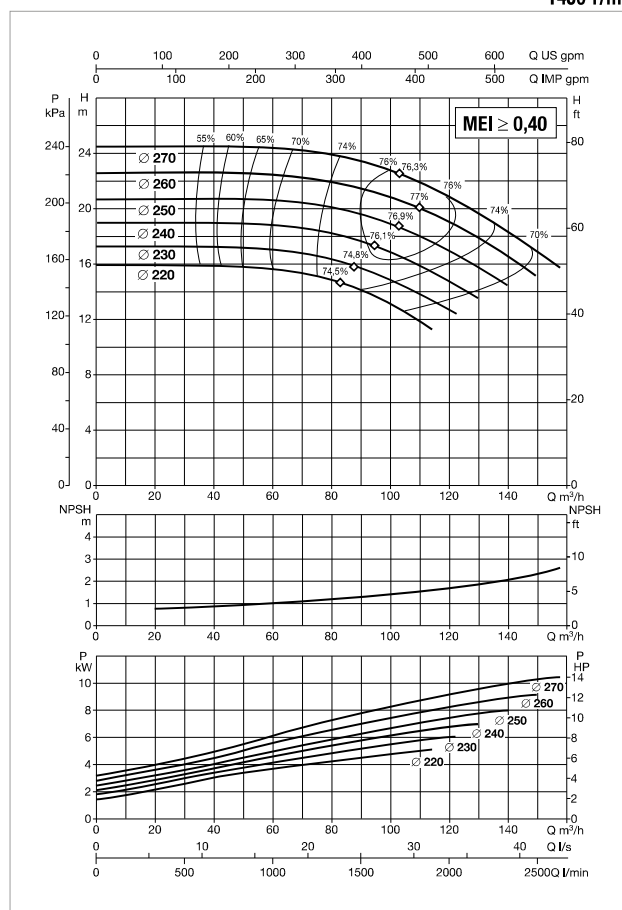
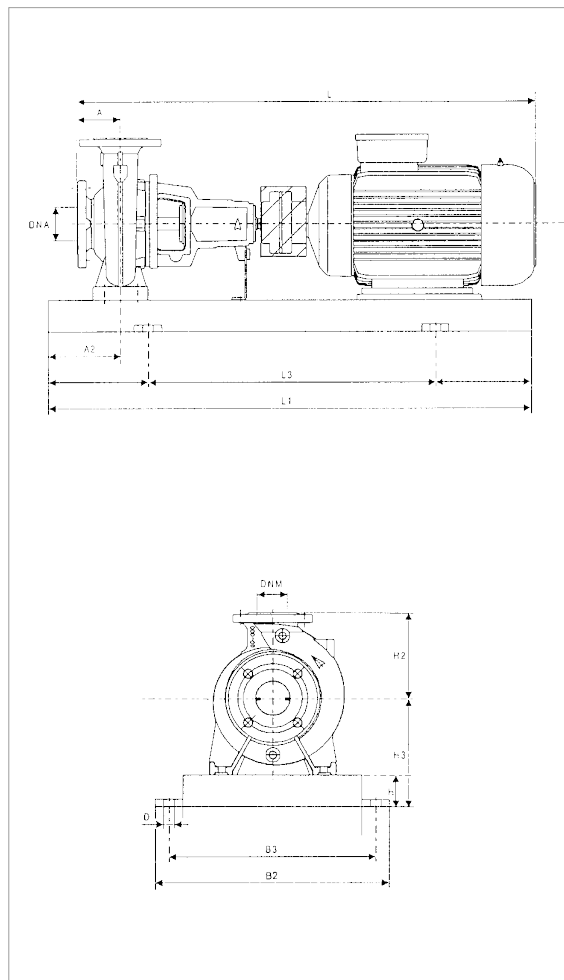
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 80-200	1,5	125	75	250	80	260	1120	740	490	440	24	100	80	917	147	1057	155
	2,2	125	75	250	80	260	1120	740	490	440	24	100	80	966	156	1106	164
	3	125	75	250	80	260	1120	740	490	440	24	100	80	981	154	1121	162
	4	125	75	250	80	260	1120	740	490	440	24	100	80	988	167	1128	175
	5,5	125	75	250	80	260	1120	740	490	440	24	100	80	1045	180	1185	188
	7,5	125	75	250	80	260	1120	740	490	440	24	100	80	1045	169	1185	177
	11	125	75	250	80	260	1250	840	540	490	24	100	80	1208	171	1348	179

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 80-250 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 80-250	4	MEC 112M	3 x 400 V ~ 1	8,2	IE3
	5,5	MEC 132S	3 x 400 V ~ 1	10,6	IE3
	7,5	MEC 132M	3 x 400 V ~ 1	15,3	IE3
	11	MEC 160M	3 x 400 V ~ 1	22,4	IE3
	15	MEC 160L	3 x 400 V ~ 1	30,5	IE3

¹ Star start-up possible (Δ)

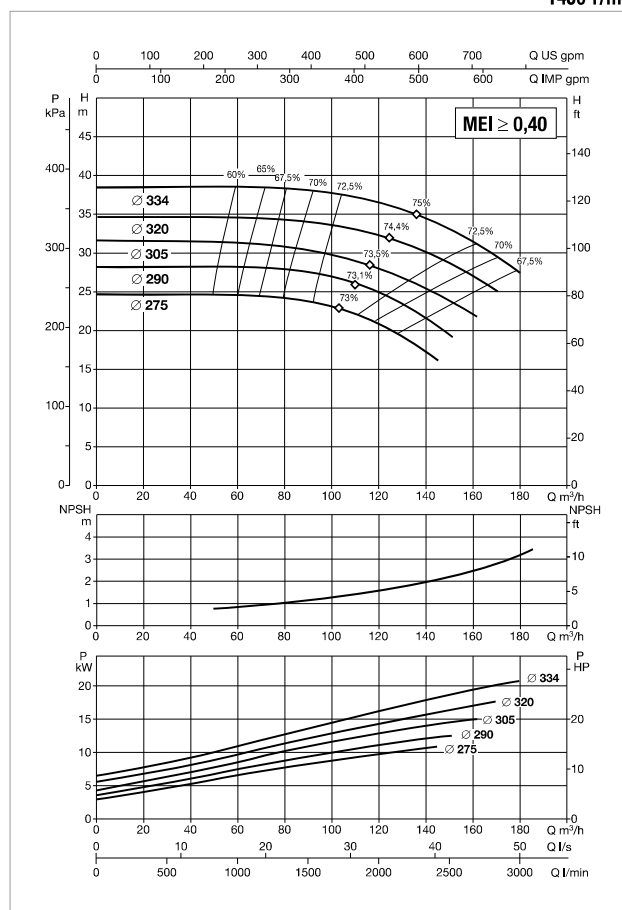
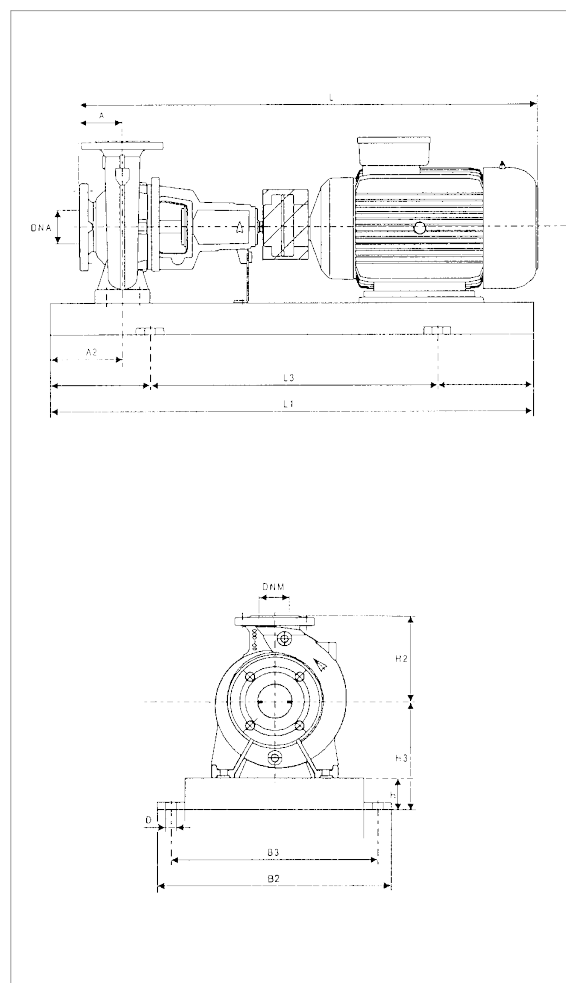
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 80-250	4	125	90	280	80	280	1250	840	540	490	24	100	80	988	198	1128	206
	5,5	125	90	280	80	280	1250	840	540	490	24	100	80	1045	211	1185	219
	7,5	125	90	280	80	280	1250	840	540	490	24	100	80	1045	200	1185	208
	11	125	90	280	80	280	1250	840	540	490	24	100	80	1208	232	1348	240
	15	125	90	280	80	280	1250	840	540	490	24	100	80	1252	252	1392	260

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 80-315 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 80-315	7,5	MEC 132M	3 x 400 V ~ 1	15,3	IE3
	11	MEC 160M	3 x 400 V ~ 1	22,4	IE3
	15	MEC 160L	3 x 400 V ~ 1	30,5	IE3
	18,5	MEC 180M	3 x 400 V ~ 1	34,3	IE3
	22	MEC 180L	3 x 400 V ~ 1	40,2	IE3
	30	MEC 200L	3 x 400 V ~ 1	53,7	IE3

¹ Star start-up possible (Δ)

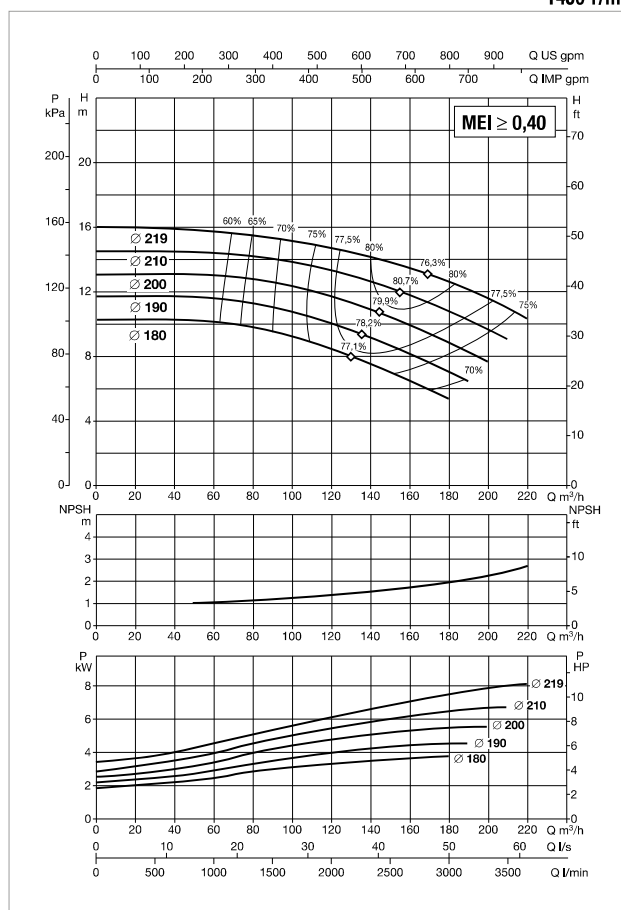
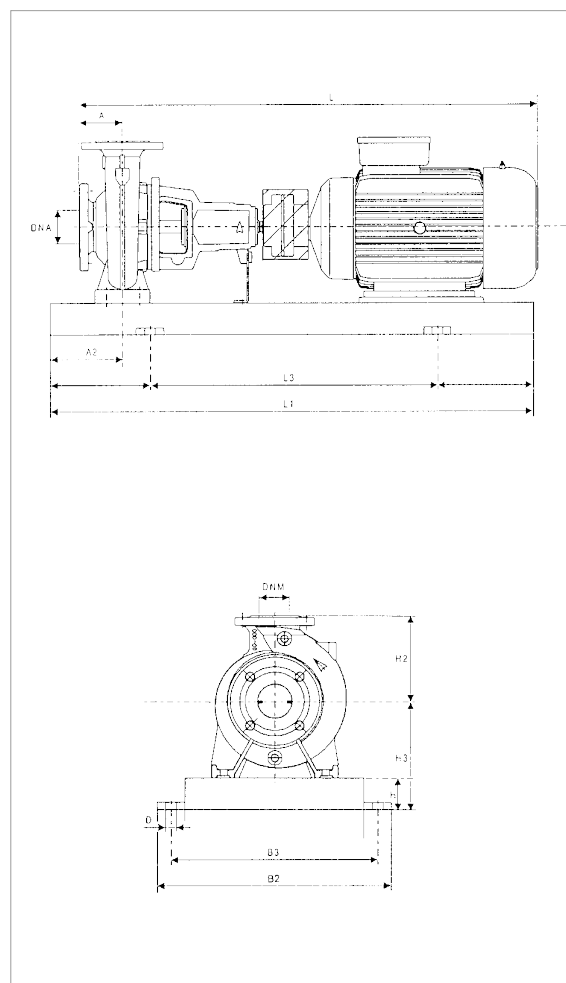
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 80-315	7,5	125	90	315	80	330	1250	840	540	490	24	100	80	1045	371	1185	379
	11	125	90	315	80	330	1250	840	540	490	24	100	80	1208	364	1348	372
	15	125	90	315	100	350	1400	940	610	550	28	100	80	1252	365	1392	373
	18,5	125	90	315	100	350	1400	940	610	550	28	100	80	1287	378	1427	386
	22	125	90	315	100	350	1400	940	610	550	28	100	80	1325	318	1465	326
	30	125	90	315	100	350	1400	940	610	550	28	100	80	1369	384	1509	392

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 100-200 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 100-200	3	MEC 100L	3 x 400 V ~ 1	6,8	E3
	4	MEC 112M	3 x 400 V ~ 1	8,2	E3
	5,5	MEC 132S	3 x 400 V ~ 1	10,6	E3
	7,5	MEC 132M	3 x 400 V ~ 1	15,3	E3
	11	MEC 160M	3 x 400 V ~ 1	22,4	E3
	15	MEC 160L	3 x 400 V ~ 1	30,5	E3

¹ Star start-up possible (Δ)

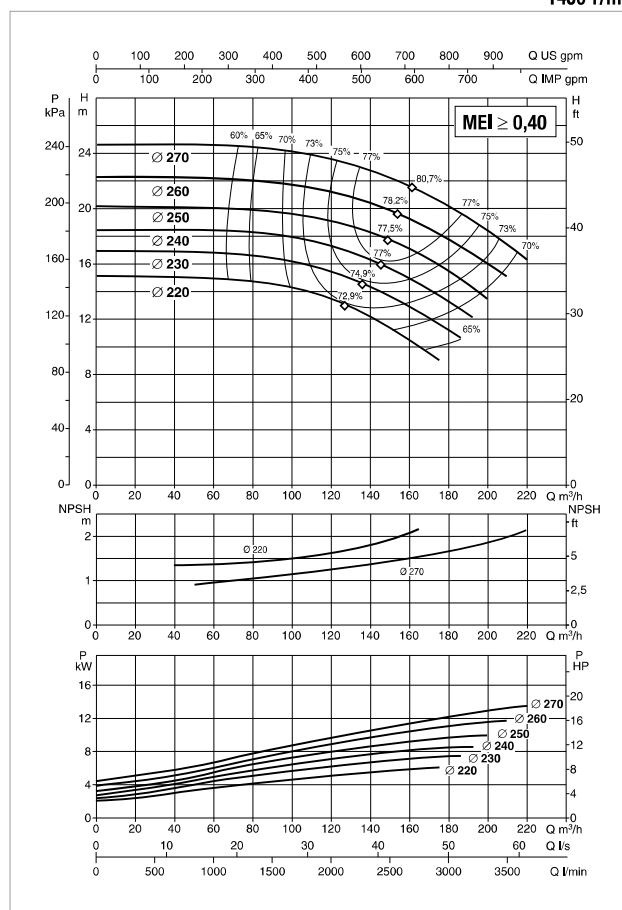
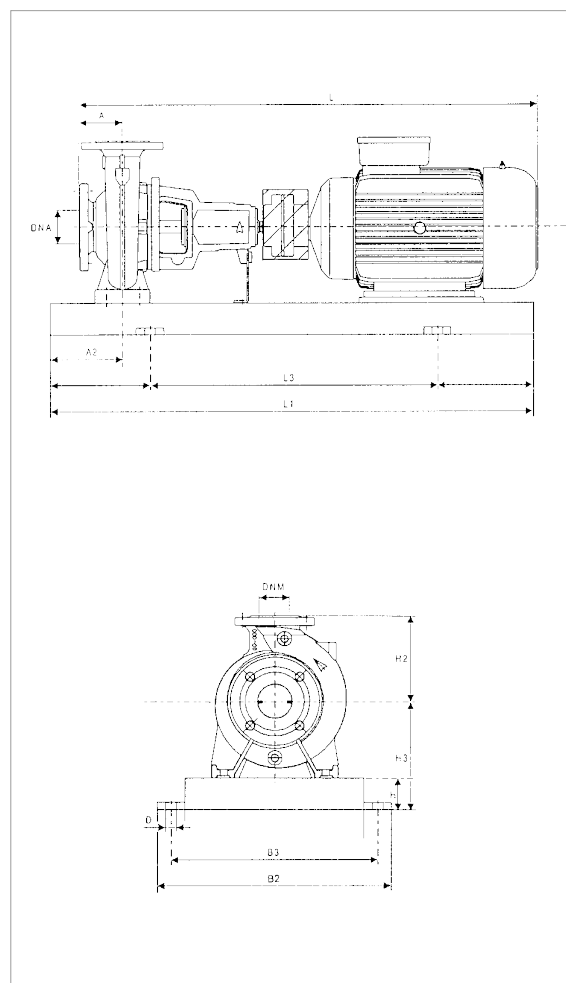
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 100-200	3	125	90	280	80	280	1120	740	490	440	24	125	100	981	167	1121	175
	4	100	90	280	80	280	1120	740	490	440	24	125	100	963	167	1103	175
	5,5	100	90	280	80	280	1120	740	490	440	24	125	100	1020	206	1160	214
	7,5	100	90	280	80	280	1120	740	490	440	24	125	100	1020	190	1160	198
	11	100	90	280	80	280	1250	840	540	490	24	125	100	1183	281	1323	289
	15	100	90	280	80	280	1250	840	540	490	24	125	100	1227	355	1367	363

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 100-250 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 100-250	5,5	MEC 132S	3 x 400 V ~ 1	10,6	IE3
	7,5	MEC 132M	3 x 400 V ~ 1	15,3	IE3
	11	MEC 160M	3 x 400 V ~ 1	22,4	IE3
	15	MEC 160L	3 x 400 V ~ 1	30,5	IE3
	18,5	MEC 180M	3 x 400 V ~ 1	34,3	IE3

¹ Star start-up possible (A)

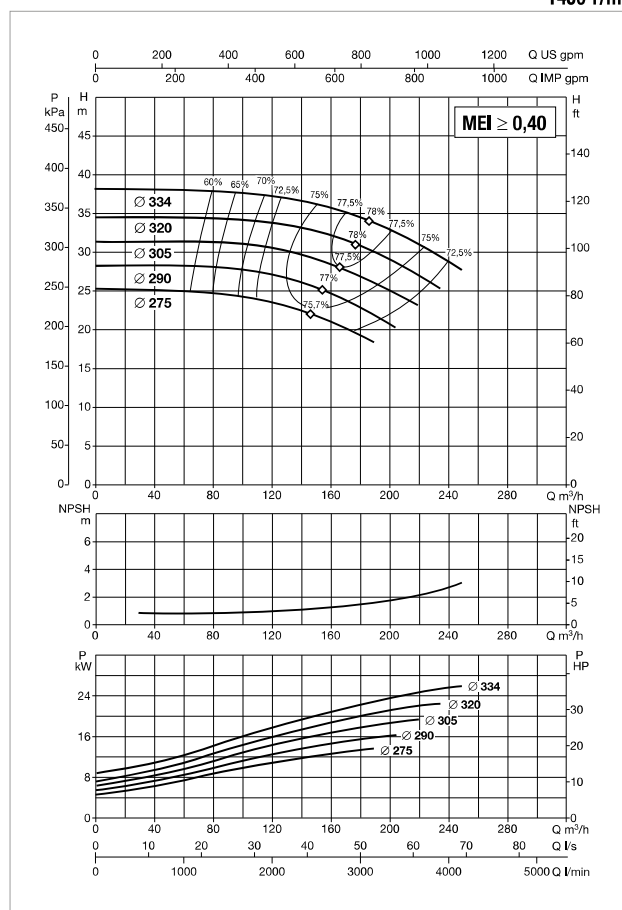
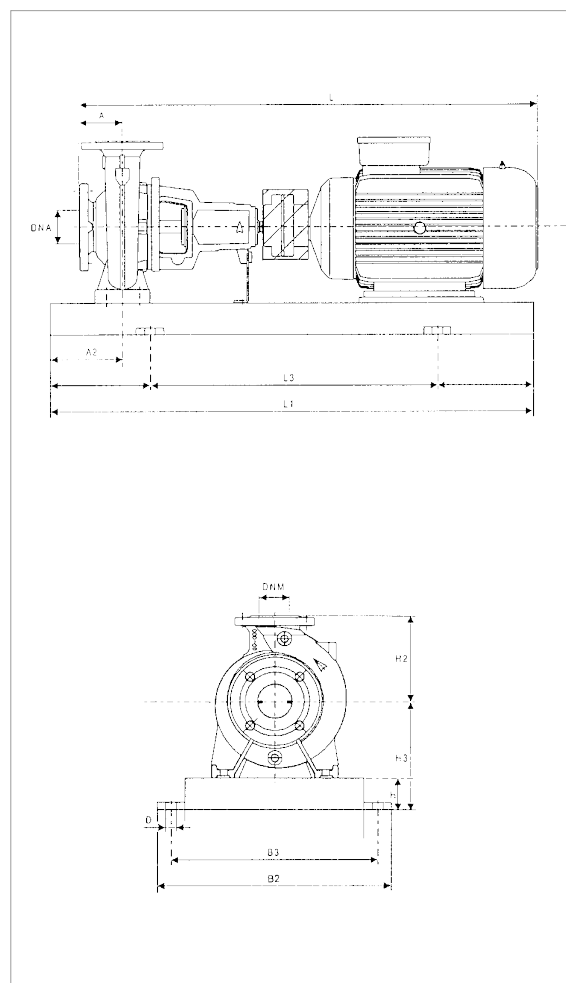
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 100-250	5,5	140	90	280	80	305	1250	840	540	490	24	125	100	1060	233	1200	241
	7,5	140	90	280	80	305	1250	840	540	490	24	125	100	1060	231	1200	239
	11	140	90	280	80	305	1250	840	540	490	24	125	100	1223	266	1363	274
	15	140	90	280	100	325	1400	940	610	550	28	125	100	1267	275	1407	283
	18,5	140	90	280	100	325	1400	940	610	550	28	125	100	1302	547	1442	555

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 100-315 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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 100-315	11	MEC 160M	3 x 400 V ~ 1	22,4	IE3
	15	MEC 160L	3 x 400 V ~ 1	30,5	IE3
	18,5	MEC 180M	3 x 400 V ~ 1	34,3	IE3
	22	MEC 180L	3 x 400 V ~ 1	40,2	IE3
	30	MEC 200L	3 x 400 V ~ 1	53,7	IE3
	37	MEC 225S	3 x 400 V ~ 1	66,1	IE3

¹ Star start-up possible (Δ)

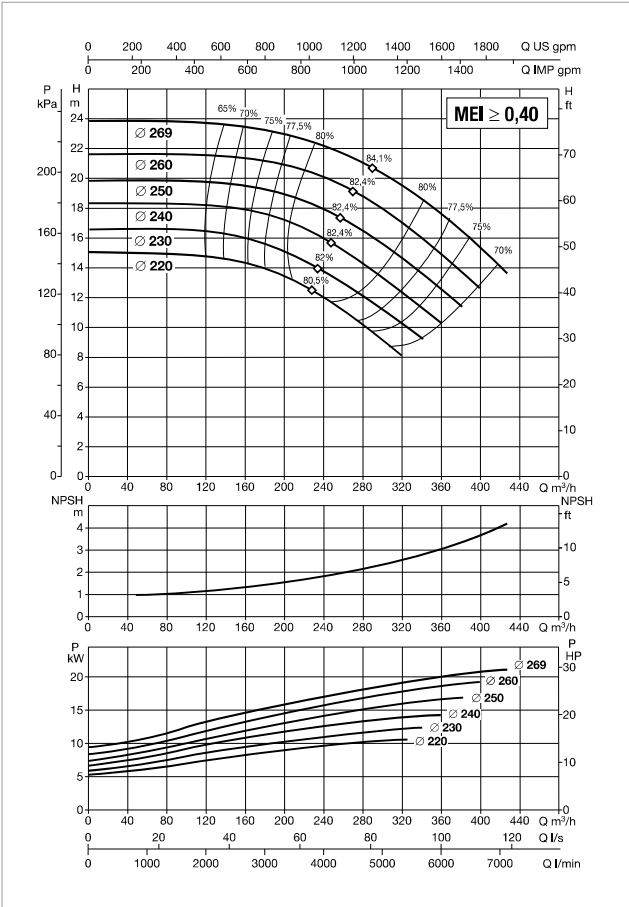
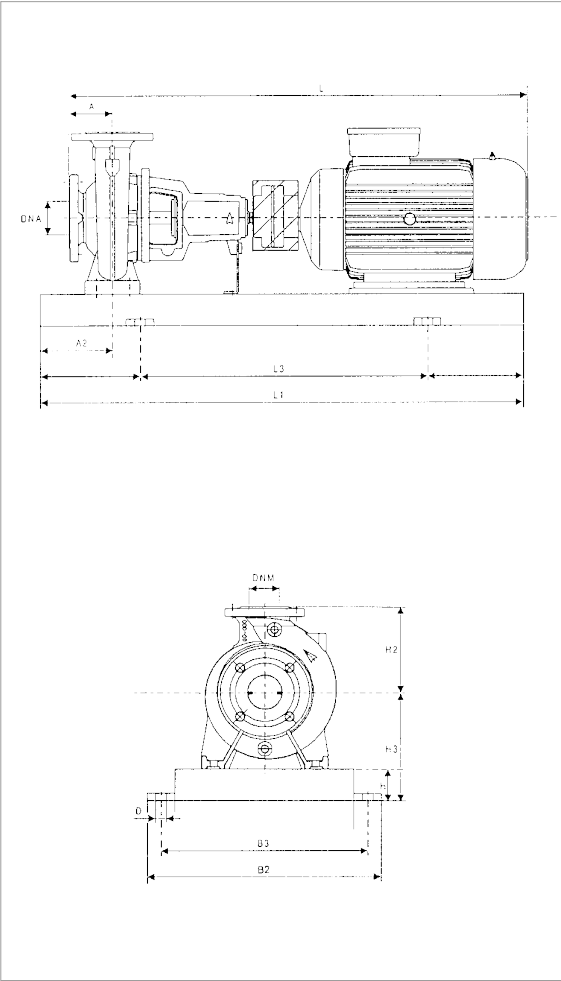
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 100-315	11	140	90	315	80	330	1250	840	540	490	24	125	100	1223	287	1363	295
	15	140	90	315	100	350	1400	940	610	550	28	125	100	1267	275	1407	283
	18,5	140	90	315	100	350	1400	940	610	550	28	125	100	1302	315	1442	323
	22	140	90	315	100	350	1400	940	610	550	28	125	100	1340	342	1480	250 350
	30	140	90	315	100	350	1400	940	610	550	28	125	100	1384	458	1524	466
	37	140	90	315	100	350	1400	940	610	550	28	125	100	1429	524	1569	532

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 125-250 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 125-250	7,5	MEC 132M	3 x 400 V ~ 1	15,3	IE3
	11	MEC 160M	3 x 400 V ~ 1	22,4	IE3
	15	MEC 160L	3 x 400 V ~ 1	30,5	IE3
	18,5	MEC 180M	3 x 400 V ~ 1	34,3	IE3
	22	MEC 180L	3 x 400 V ~ 1	40,2	IE3
	30	MEC 200L	3 x 400 V ~ 1	53,7	IE3

¹ Star start-up possible (Δ)

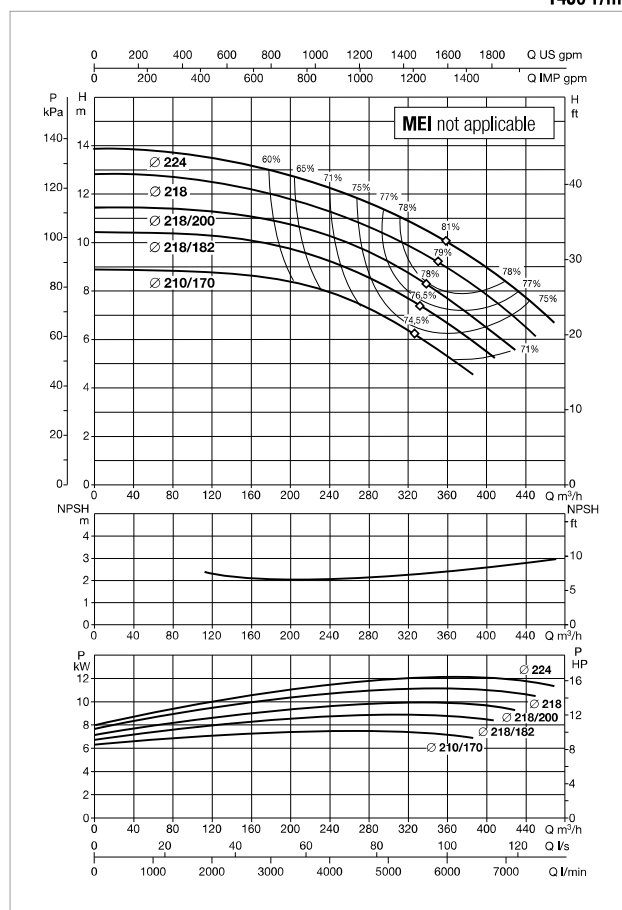
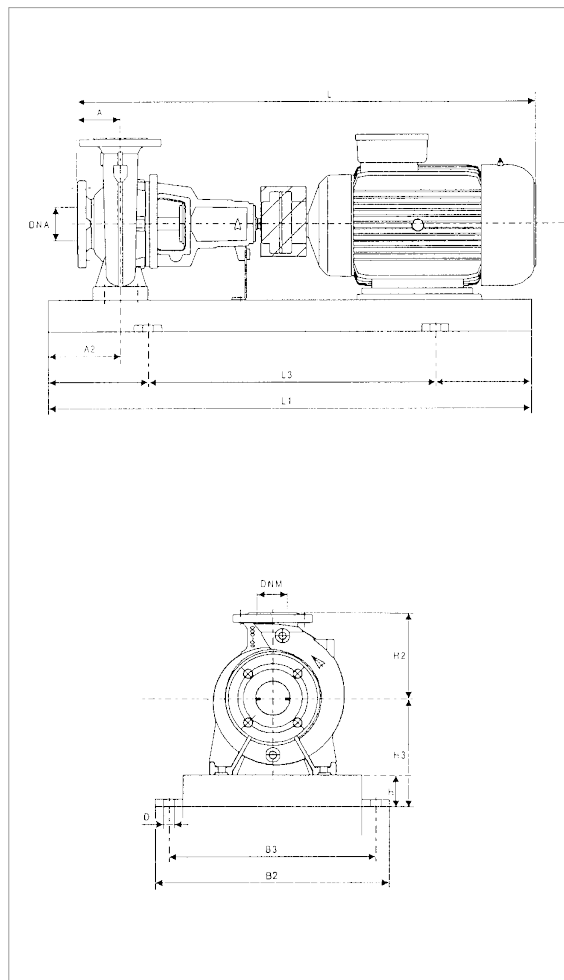
MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 125-250	7,5	140	90	355	80	330	1250	840	540	490	24	150	125	1060	291	1200	299
	11	140	90	355	80	330	1250	840	540	490	24	150	125	1223	302	1363	310
	15	140	90	355	100	350	1400	940	610	550	28	150	125	1267	391	1407	399
	18,5	140	90	355	100	350	1400	940	610	550	28	150	125	1302	391	1442	399
	22	140	90	355	100	350	1400	940	610	550	28	150	125	1340	433	1480	441
	30	140	90	355	100	350	1400	940	610	550	28	150	125	1384	511	1524	519

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN 150-200 - 4 POLES - STANDARDISED PUMPS

Pumped liquid temperature range: from -10 °C to +140 °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	I _n A	
KDN 150-200	5,5	MEC 132S	3 x 400 V ~ ¹	10,6	IE3
	7,5	MEC 132M	3 x 400 V ~ ¹	15,3	IE3
	11	MEC 160M	3 x 400 V ~ ¹	22,4	IE3
	15	MEC 160L	3 x 400 V ~ ¹	30,5	IE3
	18,5	MEC 180M	3 x 400 V ~ ¹	34,3	IE3

¹ Star start-up possible (Δ)

MODEL	POWER (kW)	UNIT DIMENSIONS (mm)										FLANGE DIMENSIONS (mm)		STANDARD COUPLING		SPACER COUPLING	
		A	A2	H2	H	H3	L1	L3	B2	B3	D	DNA	DNM	L	WEIGHT Kg	L	WEIGHT Kg
KDN 150-200	5,5	160	110	400	100	380	1800	1200	730	670	28	200	150	1080	446	1220	454
	7,5	160	110	400	100	380	1800	1200	730	670	28	200	150	1080	451	1220	459
	11	160	110	400	100	380	1800	1200	730	670	28	200	150	1243	455	1383	463
	15	160	110	400	100	380	1800	1200	730	670	28	200	150	1287	476	1427	484
	18,5	160	110	400	100	380	1800	1200	730	670	28	200	150	1322	504	1462	512

Dimension and electrical data based on sizing definition following the instructions on page 105.

KDN - 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



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