

STANDARDISED ENBLOC CENTRIFUGAL PUMPS

NKM-G NKP-G

STANDARDISED ENBLOC



GENERAL DATA

Applications

Enbloc, centrifugal motor-driven pumps with coupling designed for a wide range of applications such as:

- supplying water
- the circulation of hot water for central heating
- the circulation of cold water for air conditioning and refrigerating
- the transfer of liquids in agriculture, horticulture and in industries
- the implementation of pumping systems

Constructional features of the pump

Single-stage, cast iron spiral body made to DIN-EN 733 (formerly DIN 24255), cast iron support, flanges in accordance with DIN 2533 and DIN 2532 for DN 200. Impeller in cast iron, encased and dynamically balanced with compensation of the axial thrust by means of balancing holes, operating (on request) with interchangeable wear rings. AISI 304 stainless steel pump shaft.

Seal: standardised mechanical seal made to DIN 24960 in carbon/ carborundum with or rings in EPDM.

Constructional features of the motor

Closed, asynchronous motor with external ventilation, construction type B3/B5, 2 poles for NKP and 4 poles for NKM. The rotor is mounted on extra large ball bearings to guarantee low noise running and durability. We recommend using overload protection for the motor, in accordance with current norms. In the case of liquids denser than water, the motors must be proportionally more powerful.

Construction in compliance with the CEI 2-3 standards.

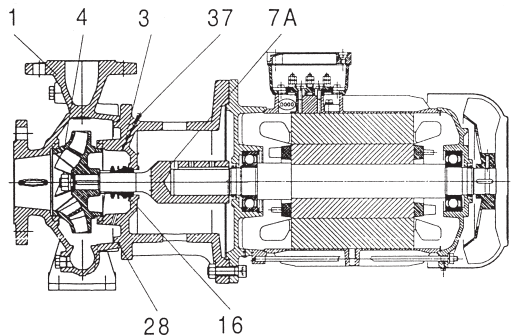
Protection level: IP 55

Insulation class: F

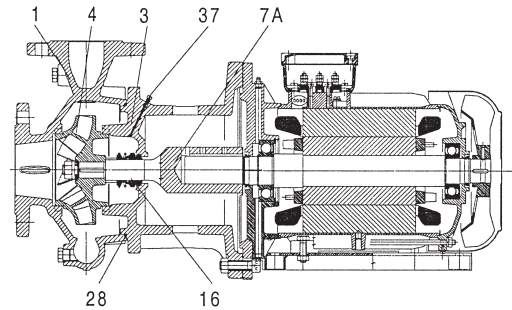
Standard voltage: 230/400 V - 50 Hz up to 2,2 kW inclusive
400V Ø50 Hz over 2,2 kW

TECHNICAL DATA

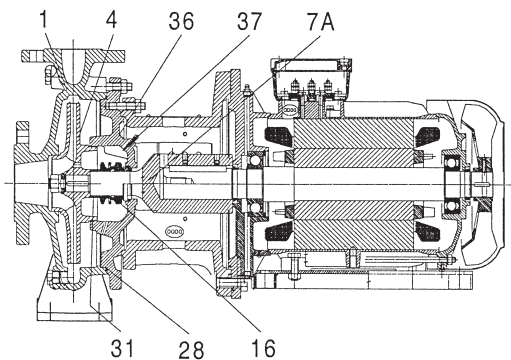
VERSION WITH MOTOR UP TO 7,5 KW



VERSION WITH MOTOR OVER 7,5 KW



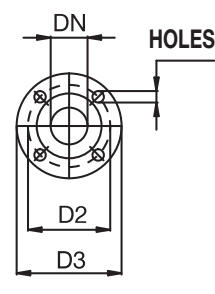
VERSION FOR MODELS: NKM-G 65-315/309/11 /4,
 NKM-G100-315/316/22 /4, NKM-G125-250/243/15 /4,
 NKM-G 80-200/200/4 /4,
 NKM-G 80-250/270/11 /4, NKM-G 80-315/305/15 /4,
 NKM-G 80-315/320/18,5 /4, NKM-G 80-315/334/22 /4
 NKM-G100-250/250/11 /4, NKM-G150-200/218/11 /4

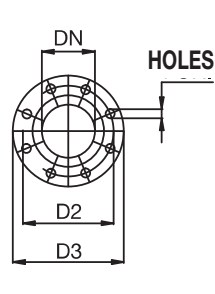


N.	PARTS	MATERIALS (STANDARD VERSION)
1	PUMP BODY	CAST IRON 250 UNI ISO 185
3	SUPPORT	CAST IRON 250 UNI ISO 185
4	IMPELLER	CAST IRON 250 UNI ISO 185
7A	PUMP SHAFT	STAINLESS STEEL AISI 304 - UNI 6900/71
16	MECHANICAL SEAL	CARBON/CARBORUNDUM - EPDM
28	GASKET OR	EDPM
31	SPACER SEAL	STAINLESS STEEL AISI 304 - UNI 6900/71
36	SEAL HOLDER DISK	CAST IRON 250 UNI ISO 185
37	BLEED COCK	STAINLESS STEEL AISI 304 - UNI 6900/71

N.	PARTS	MATERIALS (VERSION ON REQUEST)
4	IMPELLER	BRONZE GCuSn5Zn5Pb5 UNI 7013/8a-72
16	MECHANICAL SEAL	CARBORUNDUM/CARBORUNDUM - EPDM CARBORUNDUM/CARBORUNDUM - VITON CARBON/CARBORUNDUM - VITON

- Rotation speed: 1450 - 2900 1/min.
- Operating range: from 1 to 500 m³/h with a head of up to 100 m.
- Pumped liquid: without solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to water characteristic.
- Liquid temperature range: from -10°C to +140°C.
- Maximum ambient temperature: +40°C.
- Maximum working 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 horizontal or vertical provided the motor is always above the pump.
- Special version on request: pumps for liquid other than water.
Other voltages and/or frequencies.

	Nominal diameter (DN)				
	DIN 2533 PN 16				
	DN	32	40	50	65
	D2	100	110	125	145
	D3	140	150	165	185
	HOLES	Ø	18		
N°		4			

	Nominal diameter (DN)				
	DIN 2533 PN 16				DIN 2532 PN 16
	80	100	125	150	200
	160	180	210	240	295
	200	220	250	285	340
	18				22
8				8	

Description of the product

NKM-G 100 - 200 / 198/A W /BAQE / 5,5 /4

NKM = 4 poles

NKP = 2 poles

G = With coupling

Nominal diameter of discharge port:

Nominal impeller diameter:

Actual impeller diameter:

Code of materials:

A = Cast iron

B = Cast iron with bronze impeller

Neck rings (if present)

Description of the seal

Motor power in kW

Pole number

4P = 4 poles

2P = 2 poles

Description of the mechanical seal

Item	Code	Description of the seal
1	A	O ring with fixed guide
	B	Rubber bellows seal
	C	O ring with spring guide
	D	Balanced O ring
	M	Metal bellows seal
	X	Other seal types
Item	Code	Materials
2 & 3	A	Impregnated carbon/metal
	B	Impregnated carbon/resin
	C	Other carbon types
	S	Chromium steel
	U	Tungsten carbide
	Q	Carborundum
	V	Aluminium oxide (ceramic)
	X	Other ceramic types
Item	Code	Materials
4	P	Nitrile rubber (NBR)
	S	Silicone rubber
	T	Teflon (PTFE)
	E	EPDM
	V	Viton
	M	PTFE coated O ring
Item	Code	Materials
5	v	Reinforced

Description of the product code

Impeller's nominal diameter	Code
125	1
160	2
200	3
250	4
315	5
125.1	K
160.1	L
200.1	M

Pump type	Code
32	1
40	2
50	3
65	4
80	5
100	6
125	7
150	8

Identification	Code
SACI PUMPS S.A.	D

	Code
SACI PUMPS S.A.	1

Code	Pump/impeller materials
1	A (01) = cast iron/cast iron
2	B (03) = cast iron/bronze
5	A (01) + Wr*
6	B (03) + Wr*

* With consumable rings

Code	Seal available
1	BAQE
5	BQQV*
7	BAQV*
G	BQQE*

* On request

Code	P2 nominal kW
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

Code	Pump type
B	NKM-G / NKP-G

Code	Voltage	Poles
0	Only hydraulic part	
1	3x220-240 / 380-415V 50 Hz 3x220-265 / 380-460V 60 Hz	2
2	3x380-415 50 Hz 3x380-460V 60 Hz	2
3	3x220-240 / 380-415V 50 Hz 3x220-265 / 380-460V 60 Hz	4
4	3x380-415 50 Hz 3x380-460V 60 Hz	4

Product code

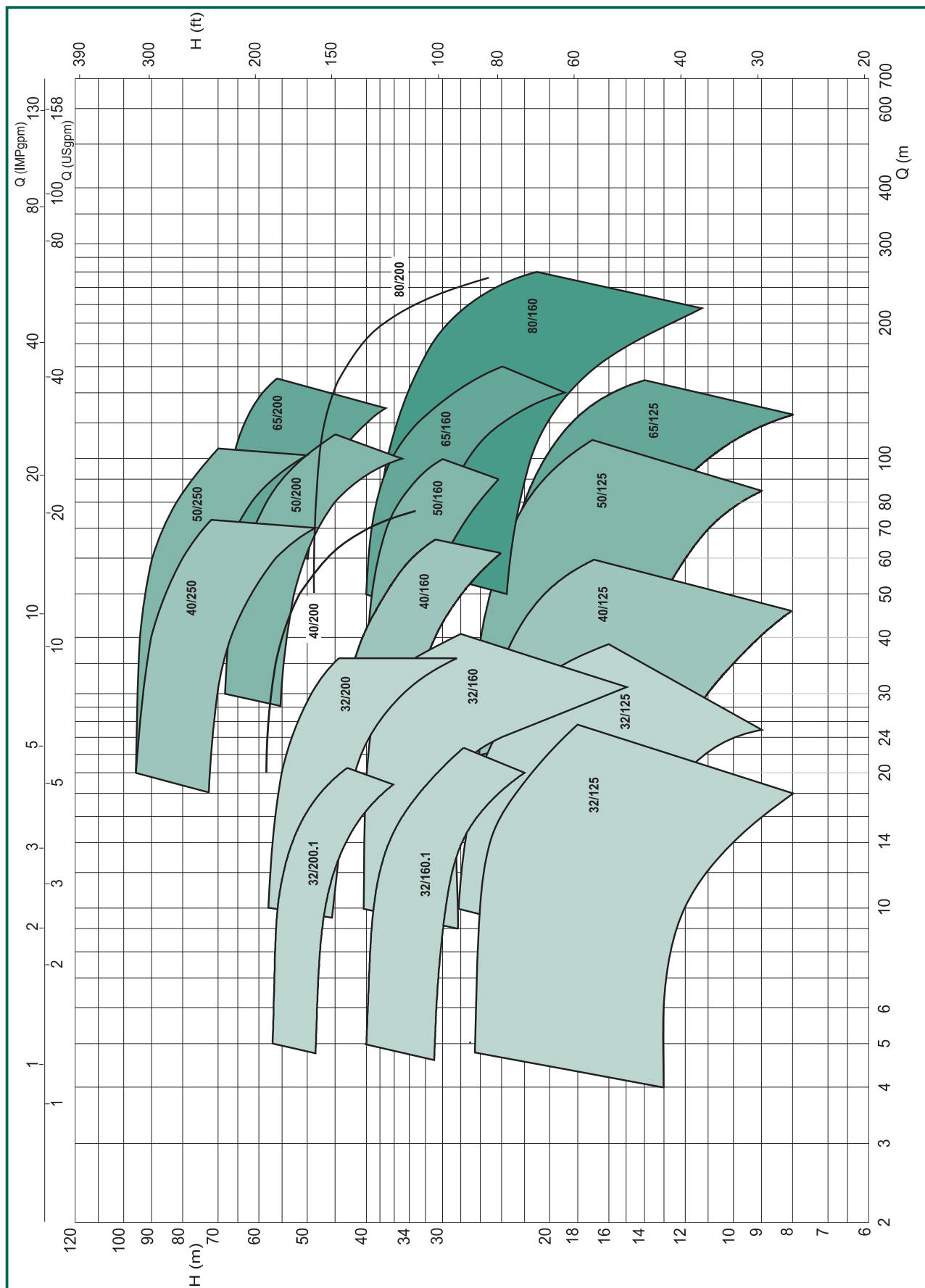
1	D	1	1	1	1	B	1	1
---	---	---	---	---	---	---	---	---

PERFORMANCE RANGE

GRAPHICAL SELECTION TABLE

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

≈ 2900 1/min





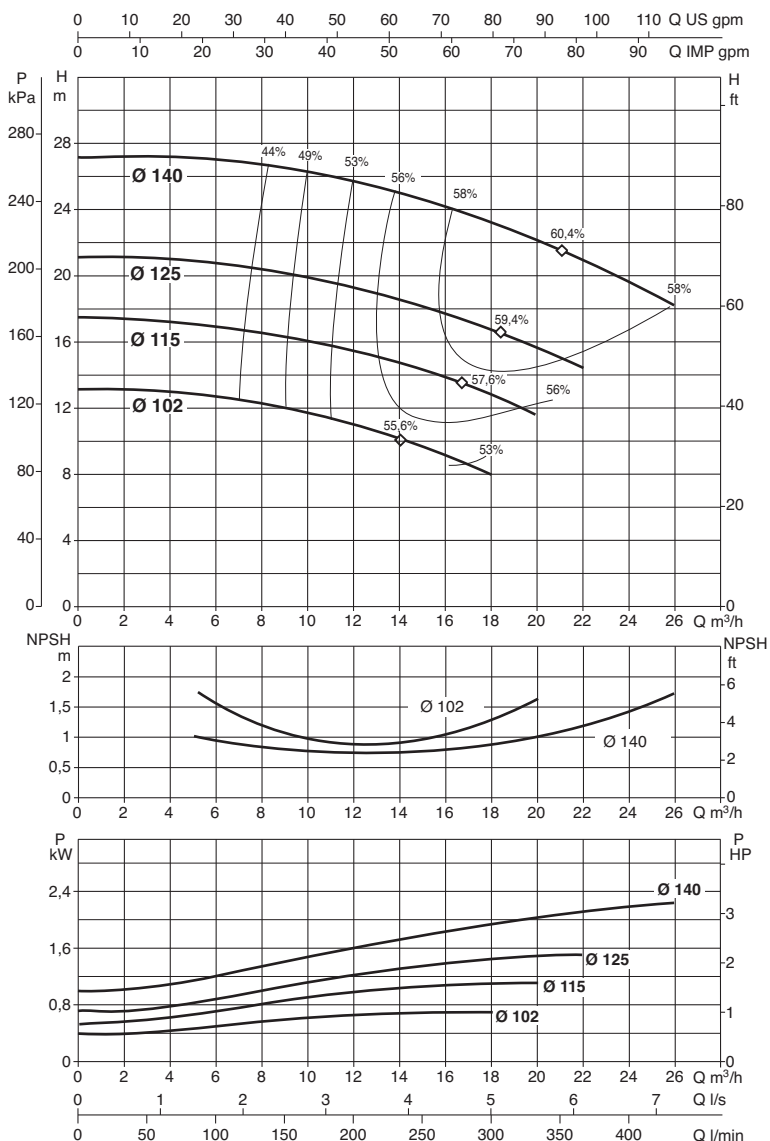
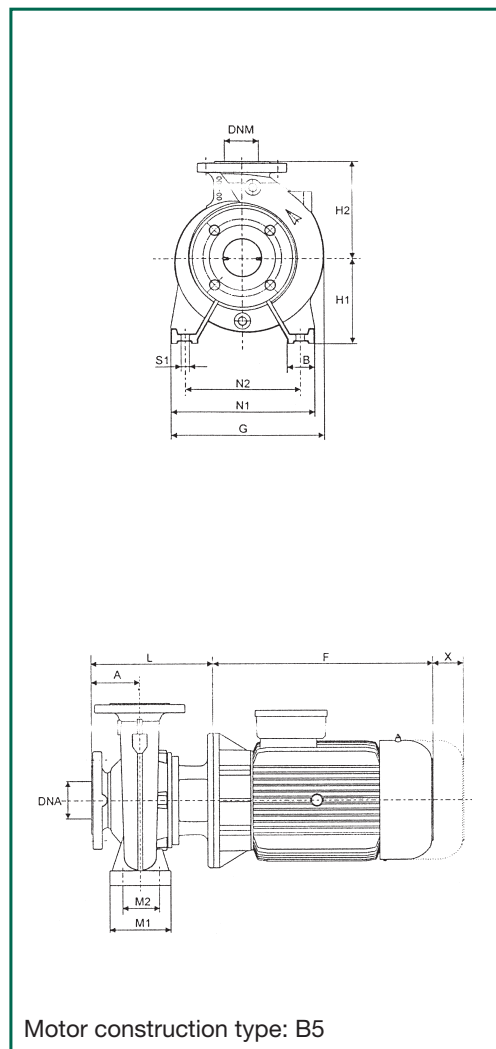
MODEL	P2 Nominal kW HP		Q m³/h l/min	0	6	12	18	24	30	36	42	48	54	60	
	0	100		200	300	400	500	600	700	800	900	1000			
NKP-G 32-125.1/102/0.75/2	0.75	1	H (m)	13	12.5	11	8								
NKP-G 32-125.1/115/1.1/2	1.1	1.5		17.2	17	15	12.5								
NKP-G 32-125.1/125/1.5/2	1.5	2		21	20.8	19	16.8								
NKP-G 32-125.1/140/2.2/2	2.2	3		27	26.9	25.9	23	19.5							
NKP-G 32-125/110/ 1.1 /2	1.1	1.5		15.8	15.2	14.5	12.9	9.9							
NKP-G 32-125/120/ 1.5 /2	1.5	2		19.3	18.9	18.2	16.8	14.5							
NKP-G 32-125/130/ 2.2 /2	2.2	3		23.6	23.1	23	21.6	19.6	16.8						
NKP-G 32-125/142/ 3 /2	3	4		28.6	28	27.6	26.5	24.6	21.8	17.9					
NKP-G 32-160.1 155/2.2/2	2.2	3		29.2	29	26.5	20.5								
NKP-G 32-160.1 166/3 /2	3	4		35.3	35	33	28								
NKP-G 32-160/151 /3 /2	3	4		30.5	30	29	27	24	19.5						
NKP-G 32-160/163 /4 /2	4	5.5		36.2	36	35	33.5	30.5	27	22					
NKP-G 32-160/177 /5,5/2	5.5	7.5		43.5	43.2	42.6	41.5	39	36	31.5	25.5				
NKP-G 32-200.1 188/4 /2	4	5.5		45.3	44.4	40.8	34.4	26.8							
NKP-G 32-200.1 205/5,5/2	5.5	7.5		56.6	55.7	52	45.8	36.2							
NKP-G 32-200/190/ 5.5 /2	5.5	7.5		46.9	46.5	45	43	40	35	29					
NKP-G 32-200/210/ 7.5 /2	7.5	10		58.8	58	57	56	53	49	44					
NKP-G 40-125/107/ 1.5 /2	1.5	2		14.7	14.5	14.3	13.8	13	11.8	10.5	8.6	7			
NKP-G 40-125/120/ 2.2 /2	2.2	3		19	18.7	18.4	17.8	17	15.9	14.6	13	11			
NKP-G 40-125/130/ 3 /2	3	4		22.8	22.5	22.3	22	21.2	20.2	19	17.4	15.5	13.5		
NKP-G 40-125/139/ 4 /2	4	5.5		26.4	26.2	26	25.6	25	24	23	21.5	19.5	17.5	15	
NKP-G 40-160/158/ 5,5 /2	5.5	7.5		33.7			34	33.4	32.4	31	29.5	27	24		
NKP-G 40-160/172/ 7,5 /2	7.5	10		40.7			40.2	40.1	39.8	38.5	37.5	35.5	33	30	
NKP-G 40-200/210/11 /2	11	15		57.1	57	57	56.8	56.5	56	55	53	50	47	43.5	
NKP-G 40-250/230/15 /2	15	20		72.5			72.5	72	70	68	66	62.5	60	56	
NKP-G 40-250/245/18.5 /2	18.5	25		83			83	82.5	81.5	80	77	74	71.5	67.5	
NKP-G 40-250/260/22 /2	22	30		96			95	94.5	93.5	92	90	87.5	84	81	
NKP-G 50-125/115/ 3 /2	3	4		17				16.5	16	15.5	15	14.5	13.7	13	
NKP-G 50-125/125/ 4 /2	4	5.5		20.5				20	19.5	19.1	18.5	18	17.5	16.5	
NKP-G 50-125/135/ 5,5 /2	5.5	7.5		24				23.6	23.5	23.2	22.8	22.2	21.5	21	
NKP-G 50-125/144/ 7,5 /2	7.5	10		28				27.8	27.5	27.3	27	26.5	25.8	25.3	
NKP-G 50-160/153/ 7.5 /2	7.5	10		31.9				31.5	31.5	31.5	31.2	31	30.5	29.5	
NKP-G 50-160/169/11 /2	11	15		39.6					39.5	39.3	39.1	39	38.5	38	
NKP-G 50-200/200/15 /2	15	20		55.1					54.7	54.6	54	53.5	52	51	
NKP-G 50-200/210/18,5 /2	18.5	25		61.7					61.7	61.6	61.5	60.5	59	58	
NKP-G 50-200/219/22 /2	22	30		67.7					67.5	67.4	66.5	66	65.5	64	
NKP-G 50-250/230/22 /2	22	30		73.6					73.2	73.1	72.8	72	71	68.5	
NKP-G 50-250/257/30 /2	30	40		93					92.5	92.3	92	91.5	91	89	
NKP-G 65-125/120-110/4/2	4	5.5		16						15	14.6	14.2	13.7	13.3	
NKP-G 65-125/127/ 5,5 /2	5.5	7.5		19.5						19	18.9	18.7	18.4	18.1	
NKP-G 65-125/137/ 7,5 /2	7.5	10	23.5						23.1	23	22.8	22.6	22.5		
NKP-G 65-160/157/11 /2	11	15	32.5								32.3	32	31.9		
NKP-G 65-160/173/15 /2	15	20	40.1								39.7	39.6	39.5		
NKP-G 65-200/190/18,5 /2	18.5	25	51.1								51	50.8	50.5		
NKP-G 65-200/200/22 /2	22	30	56.4								56.1	56.1	56		
NKP-G 65-200/219/30 /2	30	40	68.9								68.8	68.8	68.7		
NKP-G 80-160/147-127/11 /2	11	15	24												
NKP-G 80-160/153/15 /2	15	20	30.5												
NKP-G 80-160/163/18,5 /2	18.5	25	35.5												
NKP-G 80-160/169/22 /2	22	30	38.5												
NKP-G 80-200/190/30 /2	30	40	48.3												

[illegible]

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 32-125.1

≈ 2900 1/min



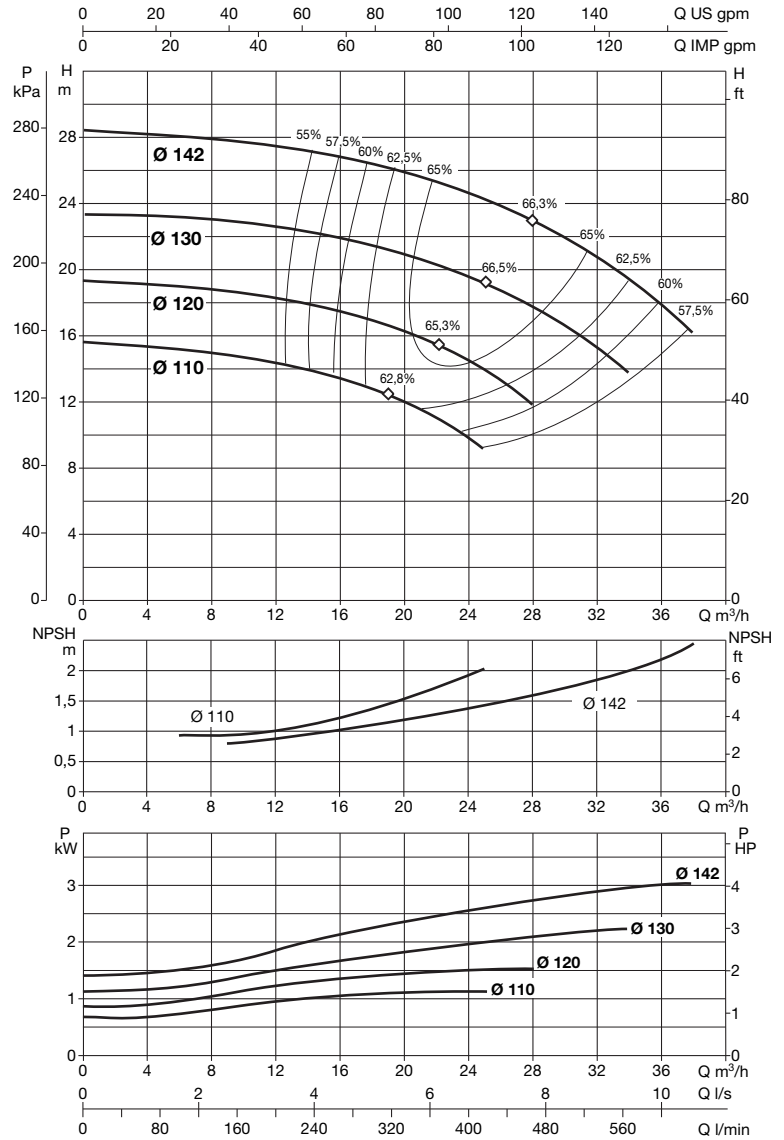
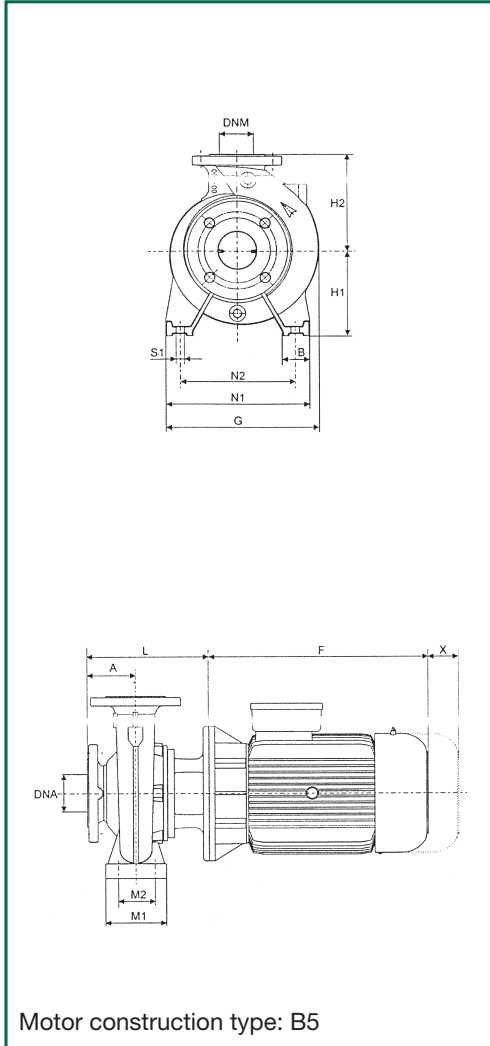
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
NKP-G 32-125.1/102/0.75/2	50	32	80	50	—	234	234	112	140	226	100	70	190	140	M10	—	100	28	620	370	480	0,110	35
NKP-G 32-125.1/115/1.1/2	50	32	80	50	—	234	234	112	140	226	100	70	190	140	M10	—	100	28	620	370	480	0,110	47
NKP-G 32-125.1/125/1.5/2	50	32	80	50	—	247	234	112	140	226	100	70	190	140	M10	—	100	28	620	370	480	0,110	52
NKP-G 32-125.1/140/2.2/2	50	32	80	50	—	272	234	112	140	226	100	70	190	140	M10	—	100	28	620	370	480	0,110	54

MODEL	ELECTRICAL DATA				HYDRAULIC DATA										
	MOTOR SIZE	Voltage	P2 Nominal kW	HP	In A	Q m³/h	0	6	12	18	24	30	36	42	48
NKP-G 32-125.1/102/0.75/2	MEC 80	230/400 V	0.75	1	3.2-1.9	H (m)	13	12.5	11	8	—	—	—	—	—
NKP-G 32-125.1/115/1.1/2	MEC 80	230/400 V	1.1	1.5	4.5-2.6		17.2	17	15	12.5	—	—	—	—	—
NKP-G 32-125.1/125/1.5/2	MEC 90 S	230/400 V	1.5	2	5.9-3.4		21	20.8	19	16.8	—	—	—	—	—
NKP-G 32-125.1/140/2.2/2	MEC 90 L	230/400 V	2.2	3	8.5-4.9		27	26.9	25.9	23	19.5	—	—	—	—

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 32-125

≈ 2900 1/min



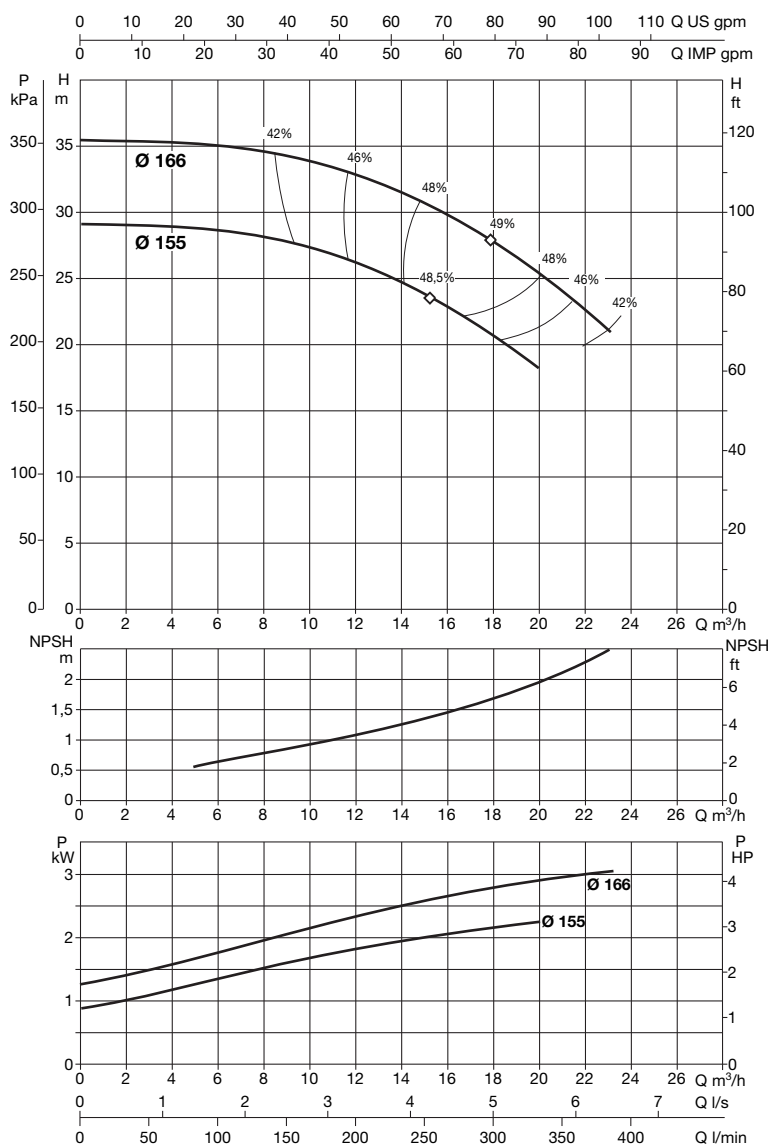
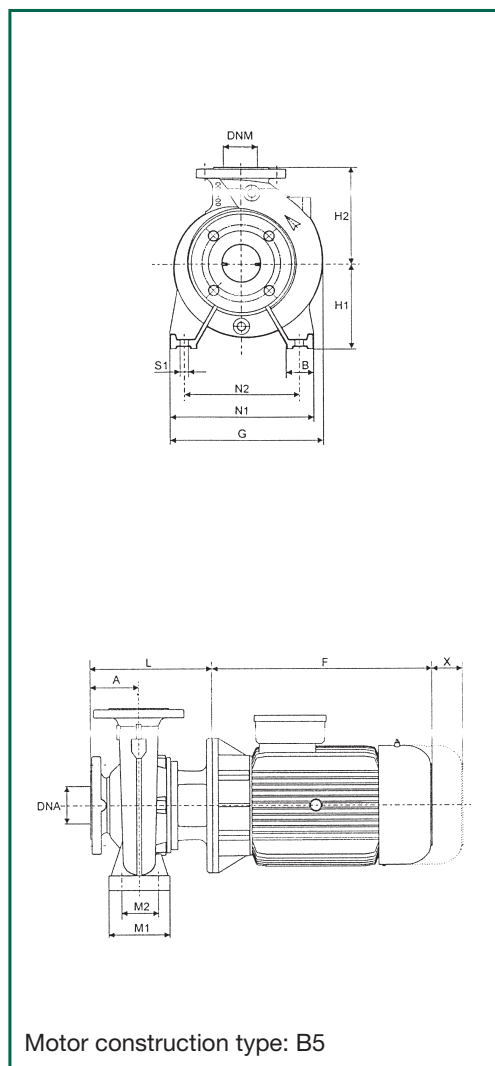
MODEL	DNA	DN1	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	H3	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
NKP-G 32-125/110/1.1/2	50	32	80	50	-	234	234	112	140	226	100	70	190	140	M10	-	100	-	28	620	370	480	0,110	40
NKP-G 32-125/120/1.5/2	50	32	80	50	-	247	234	112	140	226	100	70	190	140	M10	-	100	-	28	620	370	480	0,110	52
NKP-G 32-125/130/2.2/2	50	32	80	50	-	272	234	112	140	226	100	70	190	140	M10	-	100	-	28	620	370	480	0,110	54
NKP-G 32-125/142/3/2	50	32	80	50	-	301	250	112	140	254	100	70	190	140	M10	-	100	20	28	670	420	540	0,152	67

MODEL	ELECTRICAL DATA					HYDRAULIC DATA									
	MOTOR SIZE	Voltage	P2		In A	Q	0	6	12	18	24	30	36	42	48
			Nominal kW	HP		m³/h l/min	0	100	200	300	400	500	600	700	800
NKP-G 32-125/110/ 1.1 /2	MEC 80	230/400 V	1.1	1.5	4.5-2.6	H (m)	15.8	15.2	14.5	12.9	9.9	–	–	–	–
NKP-G 32-125/120/ 1.5 /2	MEC 90 S	230/400 V	1.5	2	5.9-3.4		19.3	18.9	18.2	16.8	14.5	–	–	–	–
NKP-G 32-125/130/ 2.2 /2	MEC 90 L	230/400 V	2.2	3	8.5-4.9		23.6	23.1	23	21.6	19.6	16.8	–	–	–
NKP-G 32-125/142/ 3 /2	MEC 100 L	400 V Ø	3	4	6.4		28.6	28	27.6	26.5	24.6	21.8	17.9	–	–

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 32-160.1

≈ 2900 1/min



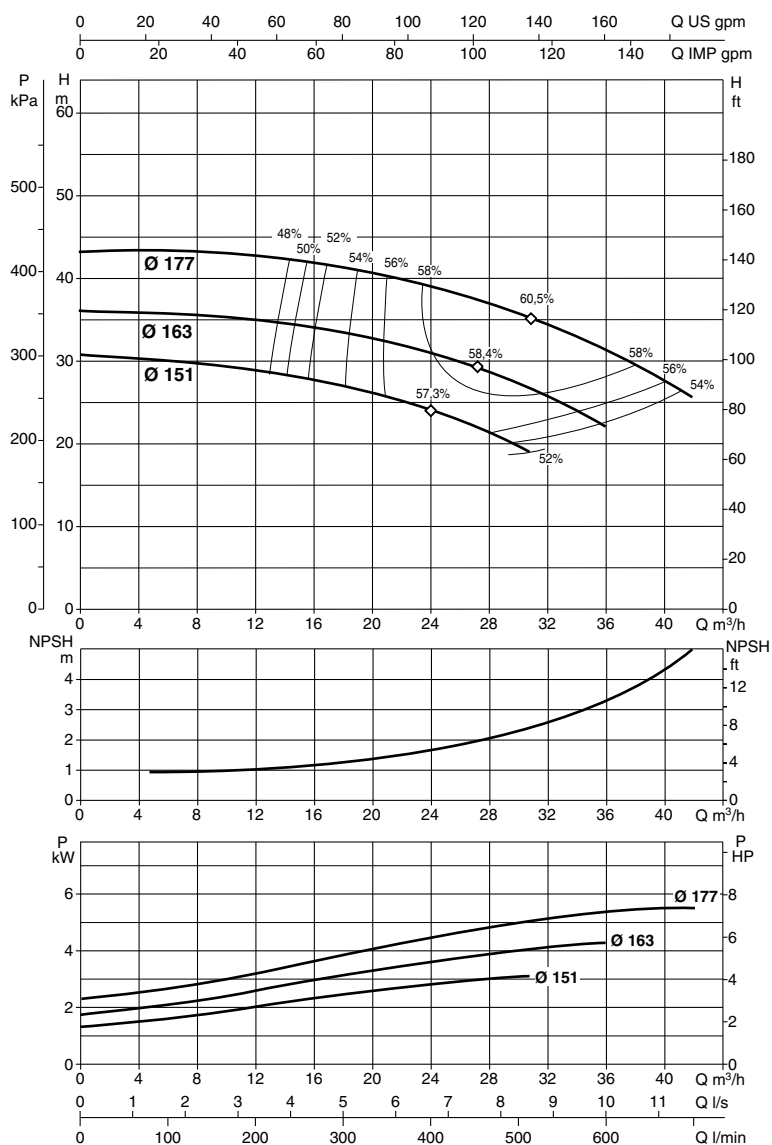
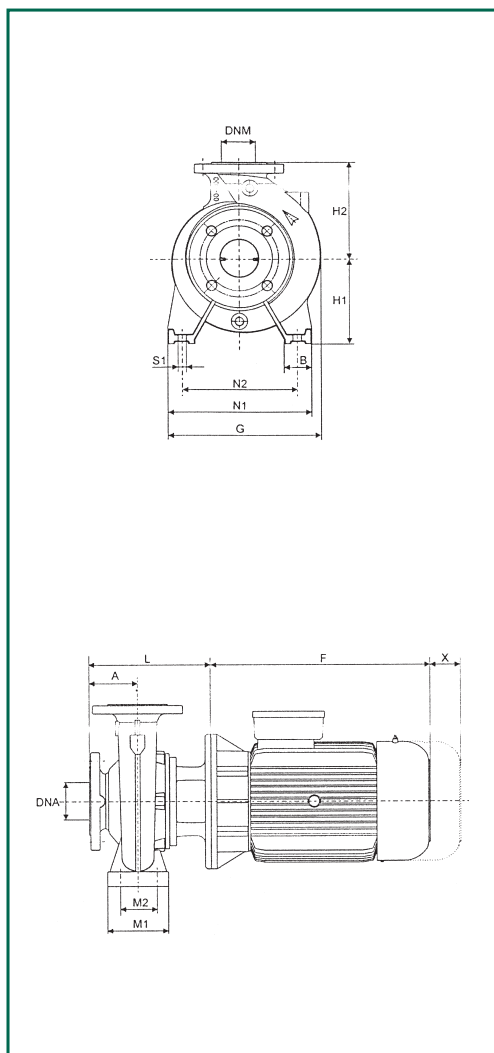
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
NKP-G 32-160.1 155/2.2/2	50	32	80	50	—	272	245	132	160	226	100	70	240	190	M10	—	100	28	620	370	480	0,110	49
NKP-G 32-160.1 166/3 /2	50	32	80	50	—	301	250	132	160	254	100	70	240	190	M10	—	100	28	670	420	540	0,152	61

MODEL	ELECTRICAL DATA					HYDRAULIC DATA									
	MOTOR SIZE	Voltage	P2 Nominal kW	HP	In A	Q m³/h l/min	0	6	12	18	24	30	36	42	48
NKP-G 32-160.1 155/2.2/2	MEC 90 L	230/400 V	2.2	3	8.5-4.9	H (m)	29.2	29	26,5	20,5	—	—	—	—	—
NKP-G 32-160.1 166/3 /2	MEC 100 L	400 V Ø	3	4	6.4		35.3	35	33	28	—	—	—	—	—

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 32-160

≈ 2900 1/min



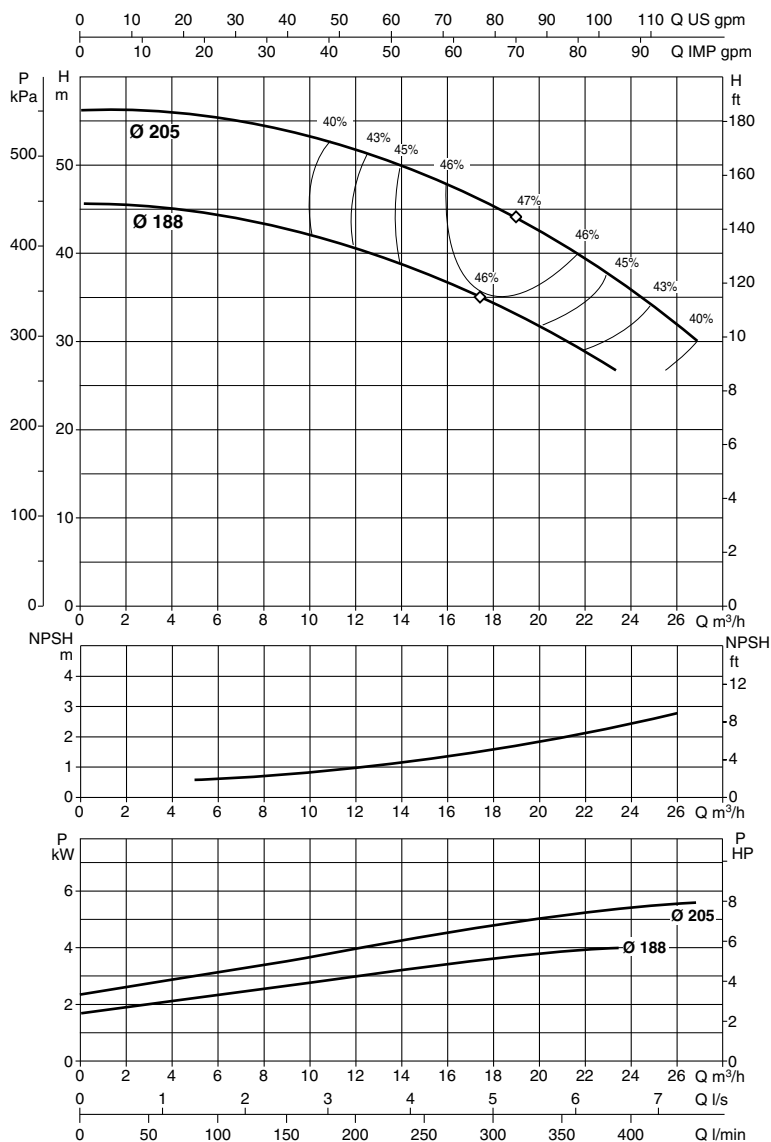
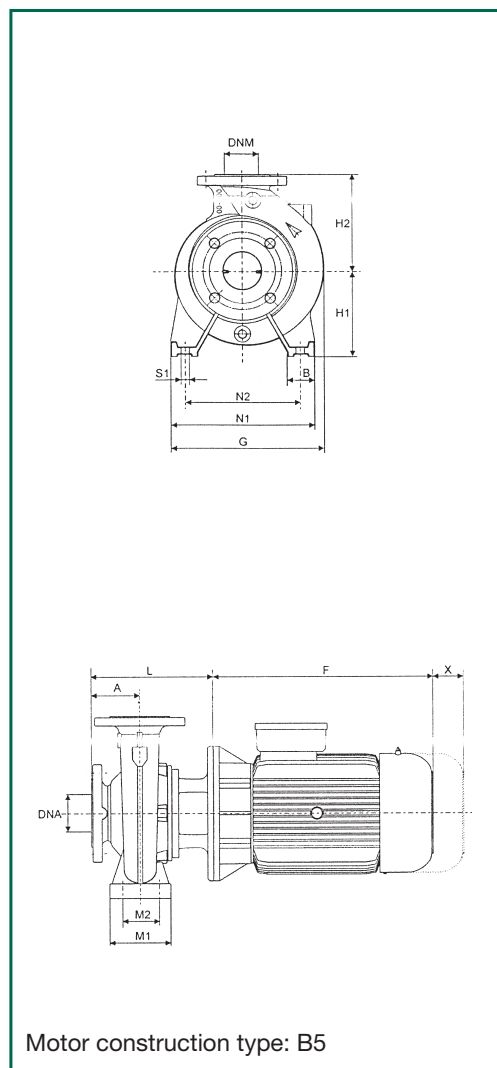
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	H3	X	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
NKP-G 32-160/151 /3 /2	50	32	80	50	—	301	250	132	160	254	100	70	240	190	M10	—	—	100	28	670	420	540	0,152	61
NKP-G 32-160/163 /4 /2	50	32	80	50	—	301	250	132	160	254	100	70	240	190	M10	—	—	100	28	670	420	540	0,152	83
NKP-G 32-160/177 /5,5/2	50	32	80	50	—	390	300	132	160	293	100	70	240	190	M10	—	20	100	28	830	430	520	0,186	105

MODEL	ELECTRICAL DATA					HYDRAULIC DATA											
	MOTOR SIZE	Voltage	P2		In A	Q	0	6	12	18	24	30	36	42	48	H (m)	
			Nominal kW	HP		m³/h	0	100	200	300	400	500	600	700	800		
NKP-G 32-160/151 /3 /2	MEC 100 L	400 V Ø	3	4	6.4		30.5	30	29	27	24	19.5	—	—	—		
NKP-G 32-160/163 /4 /2	MEC 112 M	400 V Ø	4	5.5	8.5		36.2	36	35	33.5	30.5	27	22	—	—		
NKP-G 32-160/177 /5,5/2	MEC 132 S	400 V Ø	5.5	7.5	10.6		43.5	43.2	42.6	41.5	39	36	31.5	25.5	—		

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 32-200.1

≈ 2900 1/min



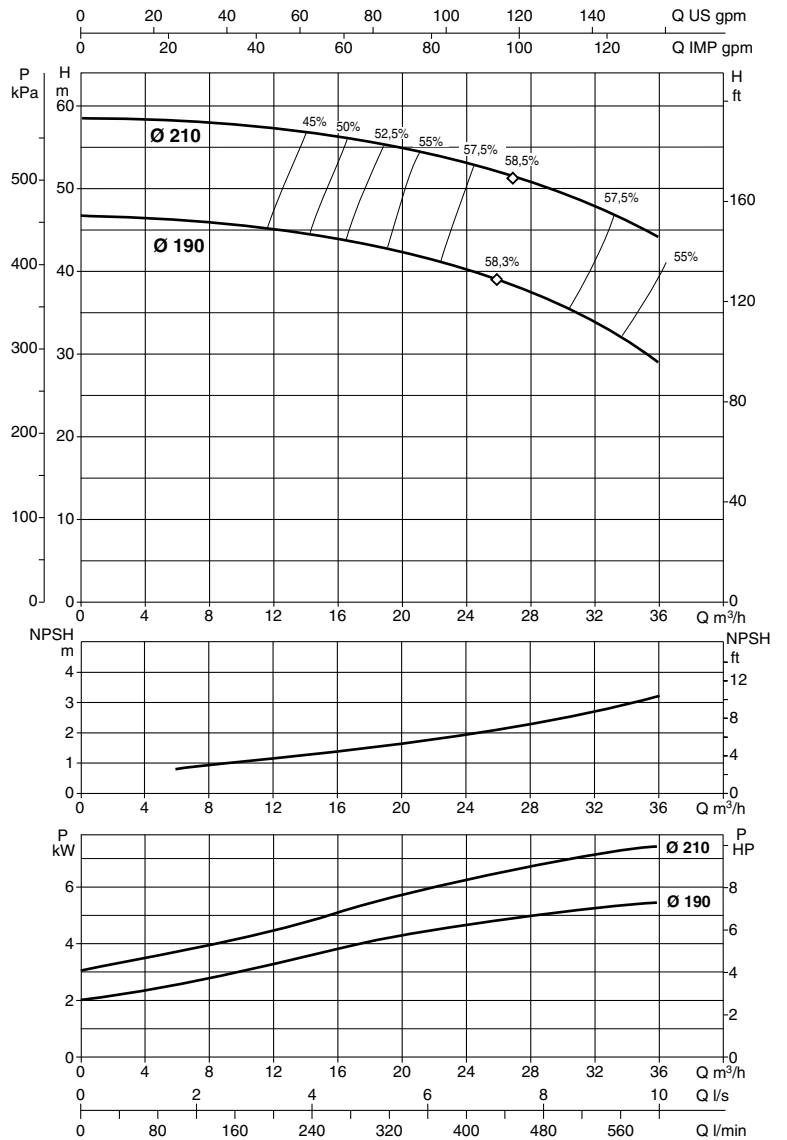
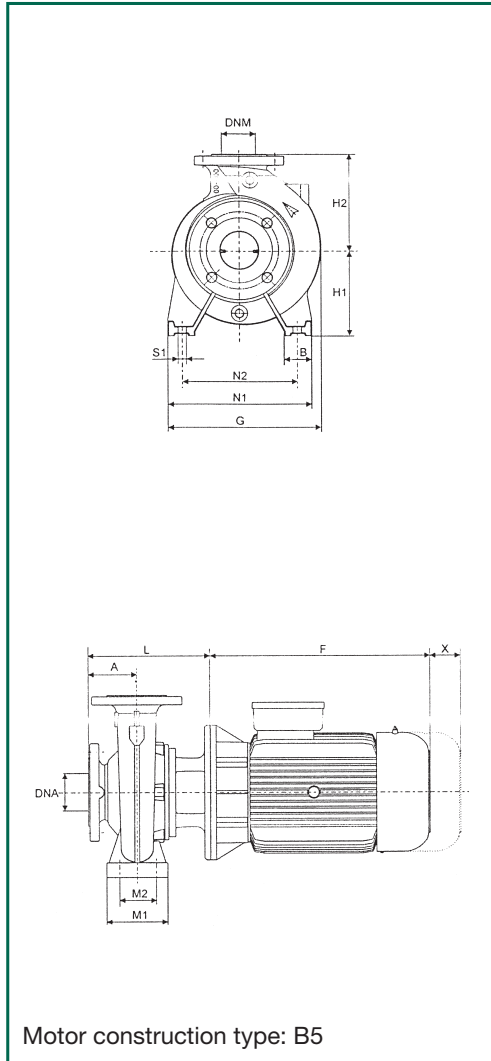
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
NKP-G 32-200.1 188/4 /2	50	32	80	50	—	301	279	160	180	254	100	70	240	190	M10	—	100	28	670	420	540	0,152	83
NKP-G 32-200.1 205/5,5/2	50	32	80	50	—	390	300	160	180	293	100	70	240	190	M10	—	100	28	830	430	520	0,186	105

MODEL	ELECTRICAL DATA					HYDRAULIC DATA									
	MOTOR SIZE	Voltage	P2 Nominal kW	HP	In A	Q m³/h l/min	0	6	12	18	24	30	36	42	48
NKP-G 32-200.1 188/4 /2	MEC 112 M	400 V Ø	4	5.5	8.5	H (m)	45.3	44.4	40.8	34.4	26.8	—	—	—	—
NKP-G 32-200.1 205/5,5/2	MEC 132 S	400 V Ø	5.5	7.5	10.6	H (m)	56.6	55.7	52	45.8	36.2	—	—	—	—

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 32-200

≈ 2900 1/min



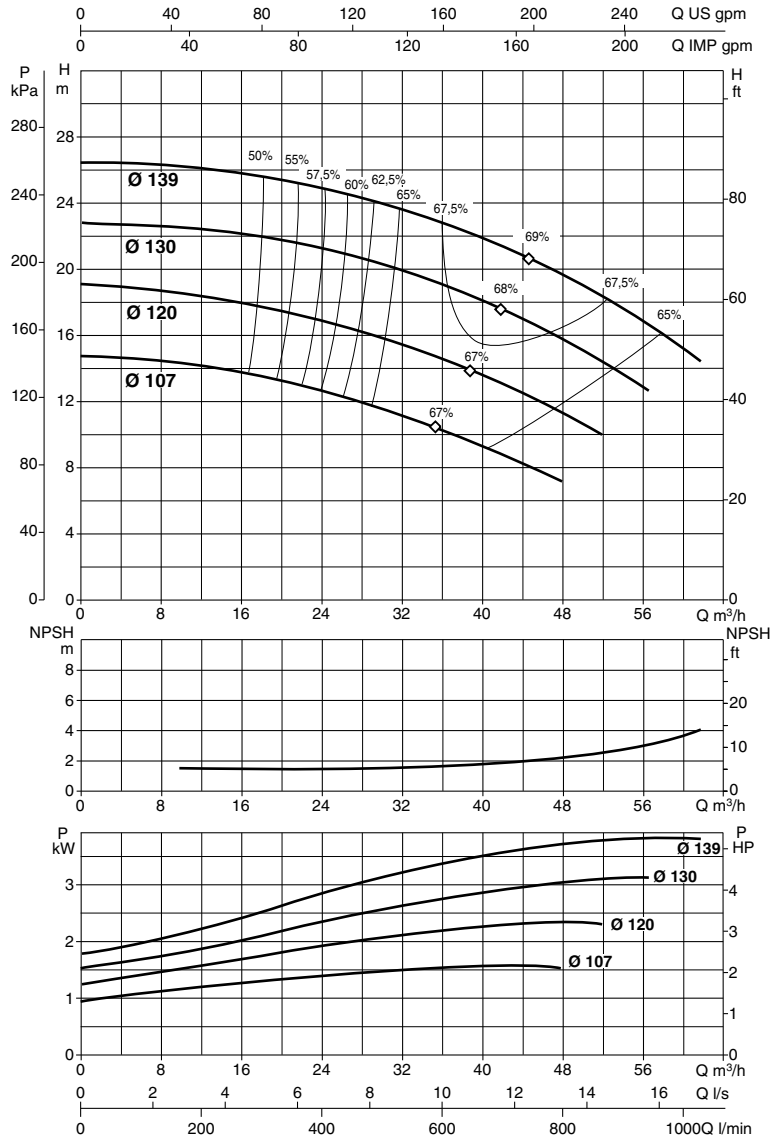
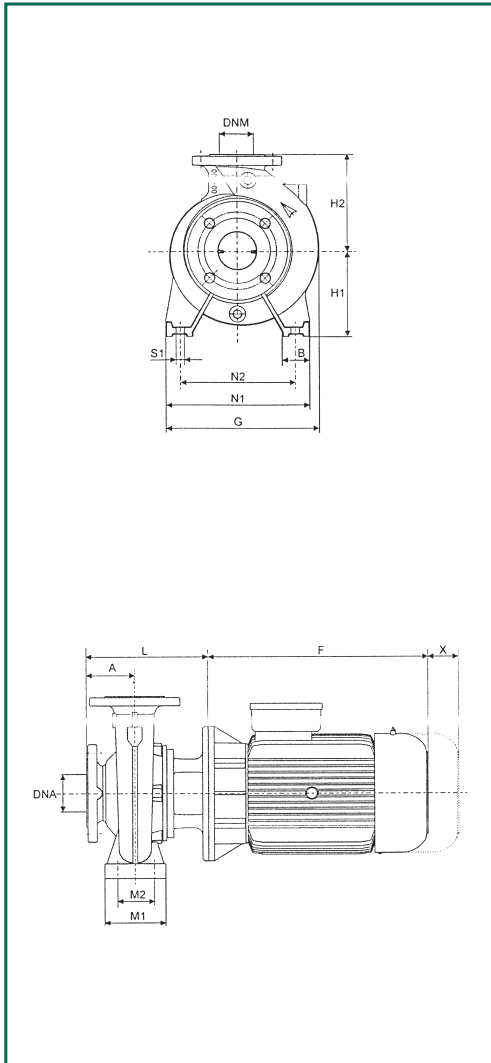
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
NKP-G 32-200/190/5.5/2	50	32	80	50	—	390	300	160	180	293	100	70	240	190	M10	—	100	28	830	430	520	0,186	117
NKP-G 32-200/210/7.5/2	50	32	80	50	—	390	300	160	180	293	100	70	240	190	M10	—	100	28	830	430	520	0,186	122

MODEL	ELECTRICAL DATA					HYDRAULIC DATA									
	MOTOR SIZE	Voltage	P2		In A	Q	0	6	12	18	24	30	36	42	48
			Nominal kW	HP		m³/h l/min									
NKP-G 32-200/190/5.5/2	MEC 132 S	400 V ∅	5.5	7,5	10.6	H (m)	46.9	46.5	45	43	40	35	29	–	–
NKP-G 32-200/210/7.5/2	MEC 132 S	400 V ∅	7.5	10	14.1		58.8	58	57	56	53	49	44	–	–

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 40-125

≈ 2900 1/min



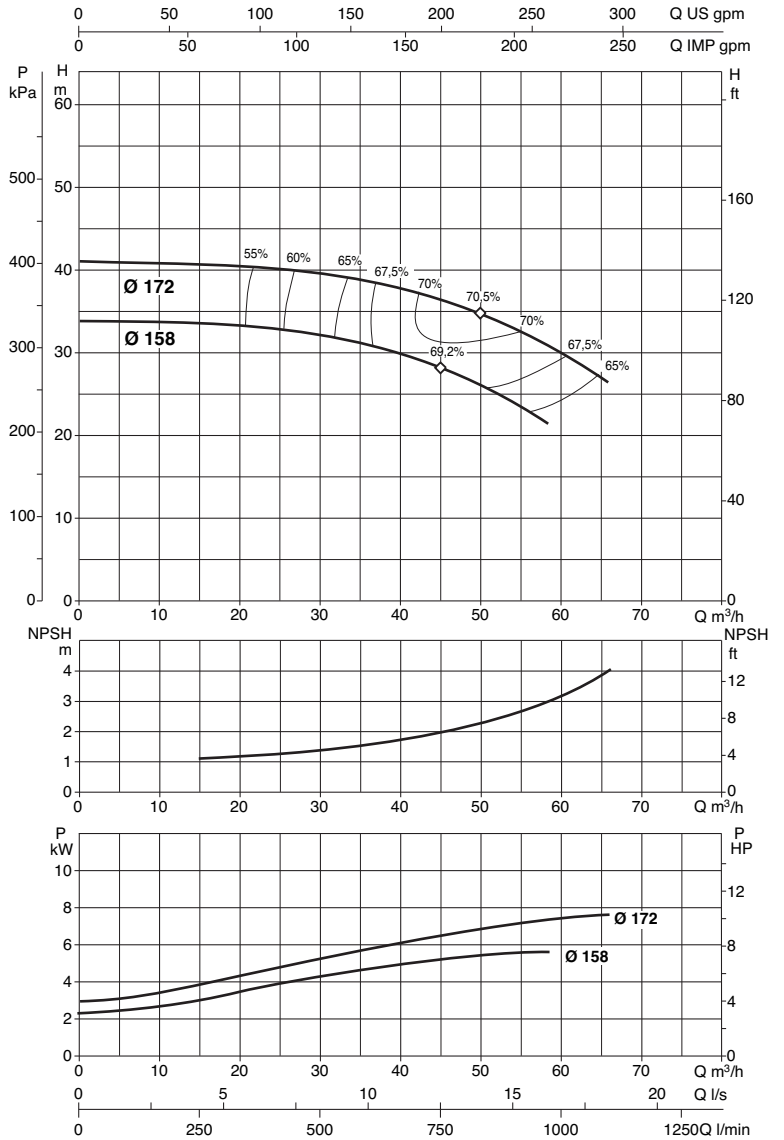
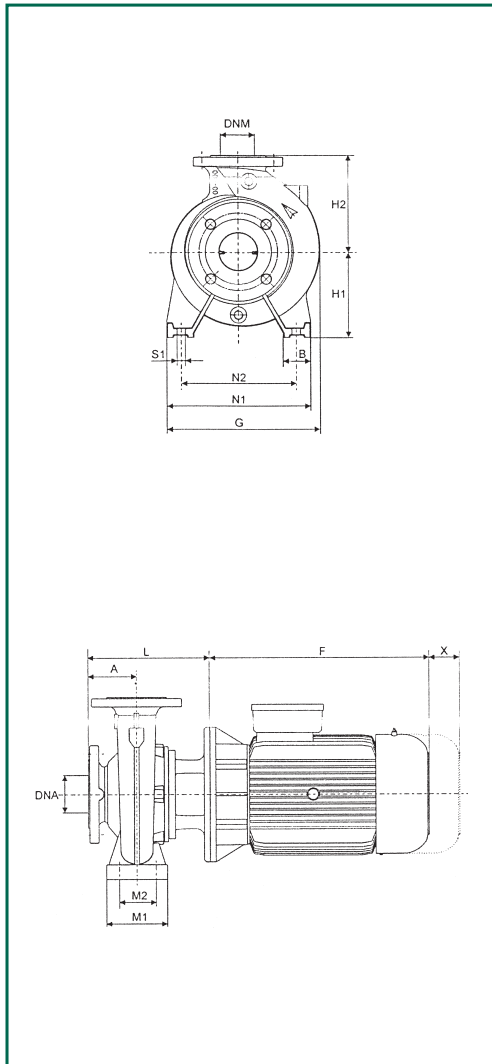
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	H3	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
NKP-G 40-125/107/1.5/2	65	40	80	50	—	247	234	112	140	226	100	70	210	160	M10	—	100	—	28	620	370	480	0,110	57
NKP-G 40-125/120/2.2/2	65	40	80	50	—	272	234	112	140	226	100	70	210	160	M10	—	100	—	28	620	370	480	0,110	70
NKP-G 40-125/130/3/2	65	40	80	50	—	301	300	112	140	254	100	70	210	160	M10	—	100	20	28	670	420	540	0,152	76
NKP-G 40-125/139/4/2	65	40	80	50	—	301	300	112	140	254	100	70	210	160	M10	—	100	20	28	670	420	540	0,152	98

MODEL	ELECTRICAL DATA					HYDRAULIC DATA									
	MOTOR SIZE	Voltage	P2		In A	Q	0	6	12	18	24	36	48	54	60
			Nominal kW	HP		m³/h l/min									
NKP-G 40-125/107/1.5 /2	MEC 90 S	230/400 V	1.5	2	5.9-3.4	H (m)	14.7	14.5	14.3	13.8	13	10.5	7	–	–
NKP-G 40-125/120/2.2 /2	MEC 90 L	230/400 V	2.2	3	8.5-4.9		19	18.7	18.4	17.8	17	14.6	11	–	–
NKP-G 40-125/130/3 /2	MEC 100 L	400 V Ø	3	4	6.4		22.8	22.5	22.3	22	21.2	19	15.5	13.5	–
NKP-G 40-125/139/4 /2	MEC 112	400 V Ø	4	5,5	8.5		26.4	26.2	26	25.6	25	23	19.5	17.5	15

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 40-160

≅ 2900 1/min



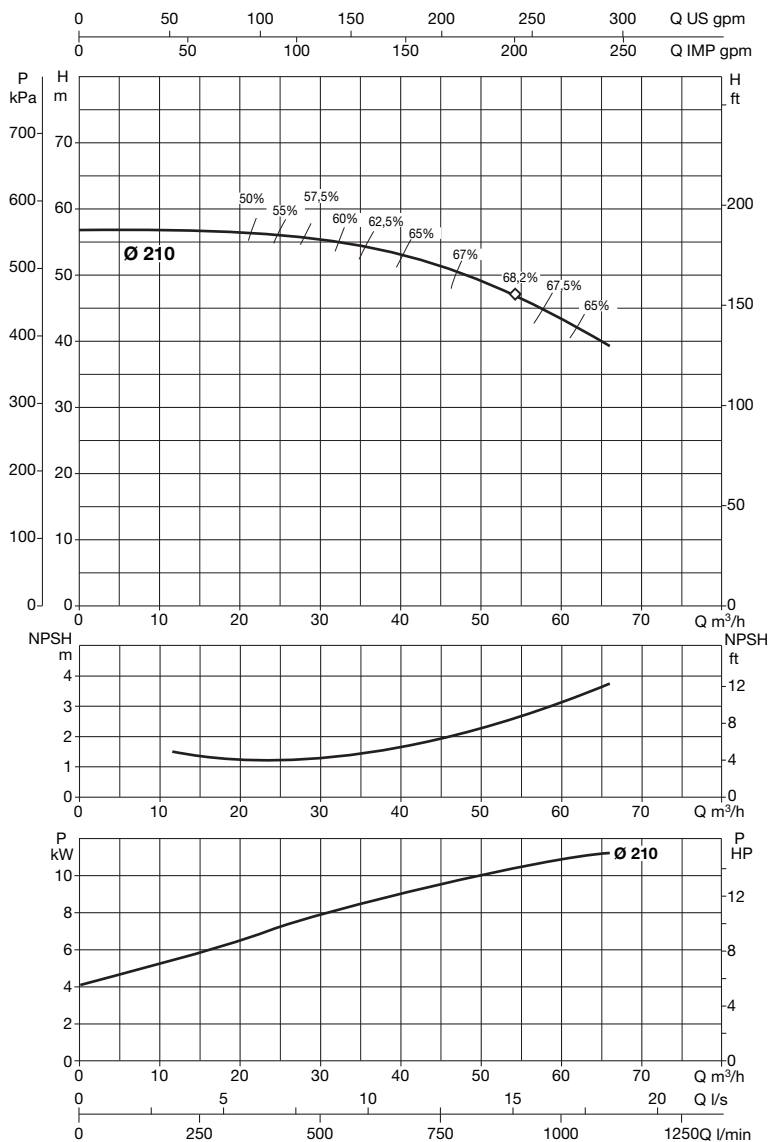
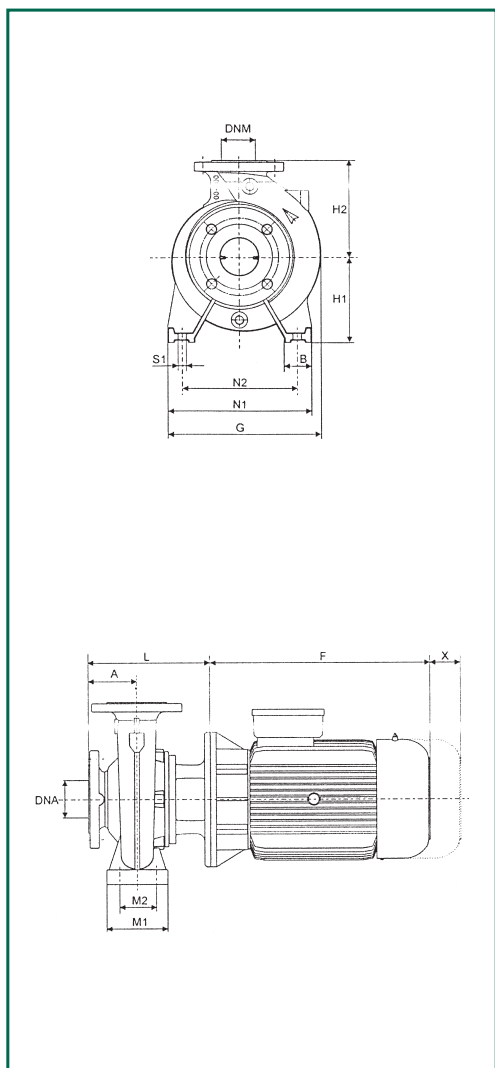
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	H3	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
																				A	B	H		
NKP-G 40-160/158/5,5/2	65	40	80	50	—	390	300	132	160	293	100	70	240	190	M10	—	100	20	28	830	430	520	0,186	110
NKP-G 40-160/172/7,5/2	65	40	80	50	—	390	300	132	160	293	100	70	240	190	M10	—	100	20	28	830	430	520	0,186	114

MODEL	ELECTRICAL DATA					HYDRAULIC DATA											
	MOTOR SIZE	Voltage	P2 Nominal kW	HP	In A	Q m³/h l/min	0	18	24	30	36	42	48	54	66	H (m)	
NKP-G 40-160/158/5,5/2	MEC 132 S	400 V Ø	5.5	7,5	10.6			33.7	34	33.4	32.4	31	29.5	27	24	—	
NKP-G 40-160/172/7,5/2	MEC 132 S	400 V Ø	7.5	10	14.1			40.7	40.2	40.1	39.8	38.5	37.5	35.5	33	26.5	

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 40-200

≈ 2900 1/min



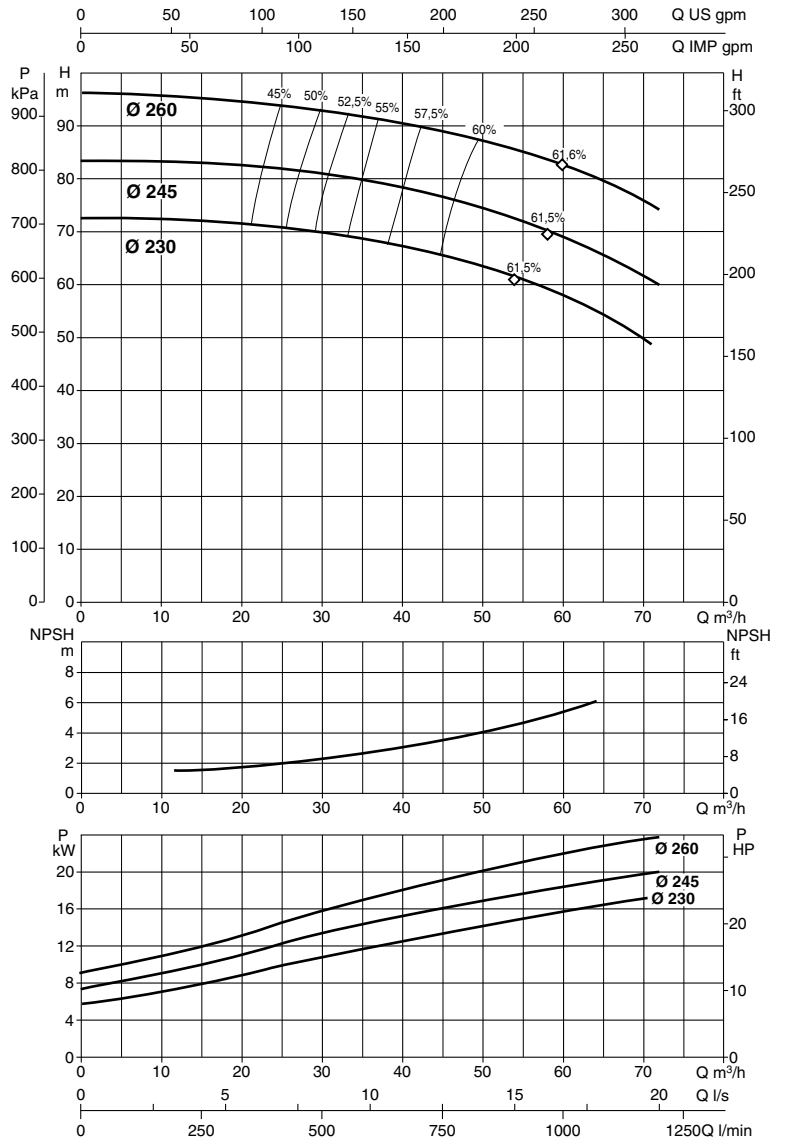
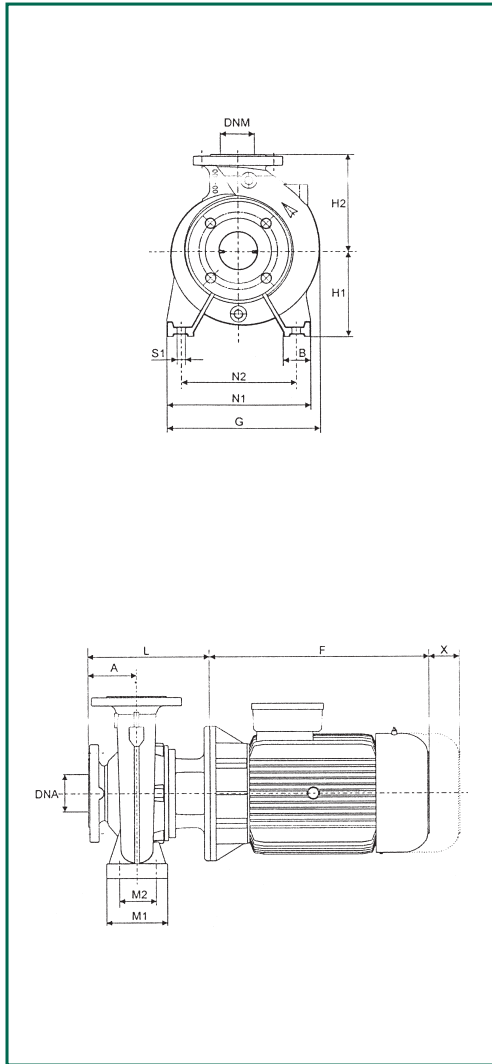
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	H4	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
																				A	B	H		
NKP-G 40-200/210/11 /2	65	40	100	67	210	460	350	160	180	343	-	-	314	254	M12	351	100	20	28	1030	530	640	0,349	193

MODEL	ELECTRICAL DATA					HYDRAULIC DATA											
	MOTOR SIZE	Voltage	P2		In A	Q	0	12	24	30	36	42	48	60	66		
			Nominal kW	HP		l/min	0	200	400	500	600	700	800	1000	1100		
NKP-G 40-200/210/11 /2	MEC 160 M	400 V ∅	11	15	20.4	H (m)	57.1	57	56.5	56	55	53	50	43.5	39		

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 40-250

≈ 2900 1/min



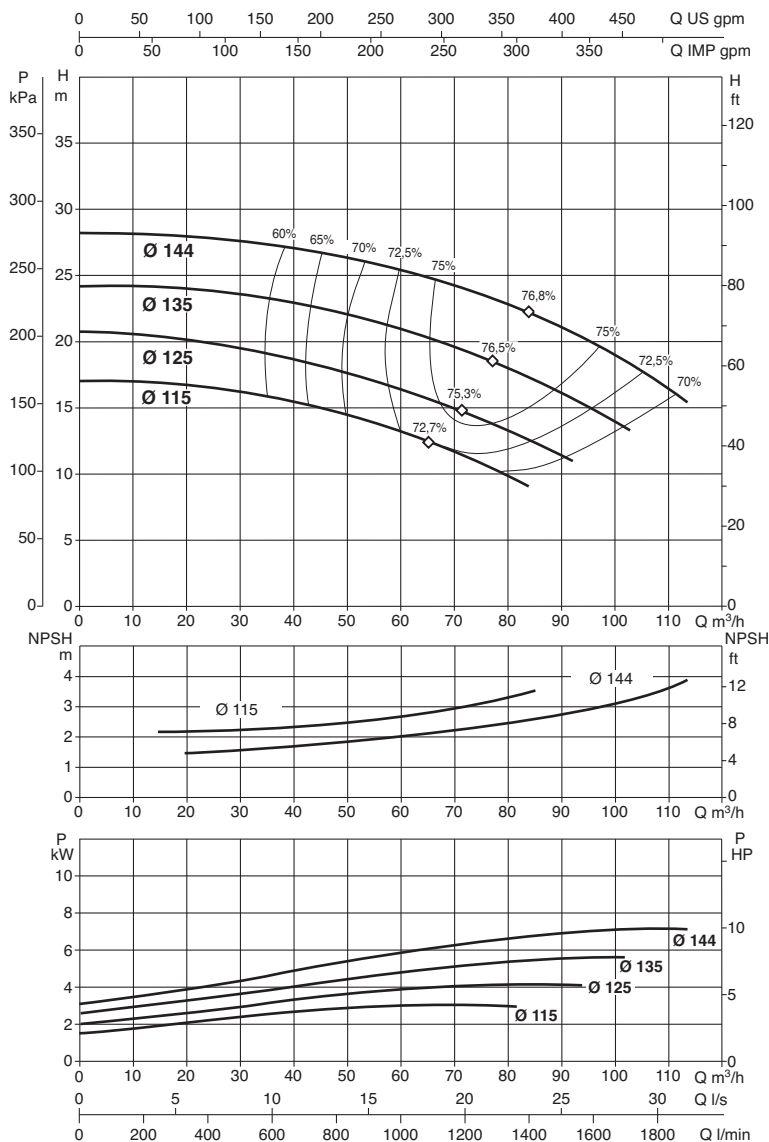
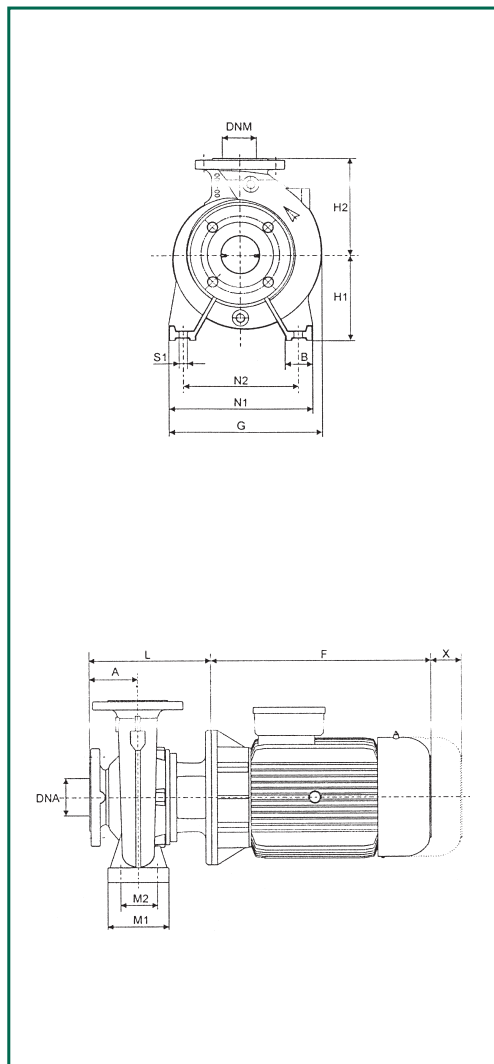
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	H4	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
																				A	B	H		
NKP-G 40-250/230/15 /2	65	40	100	67	210	460	350	160	225	343	-	-	314	254	M12	351	100	20	28	1030	530	640	0,349	207
NKP-G 40-250/245/18.5 /2	65	40	100	67	254	540	350	160	225	343	-	-	314	254	M12	351	100	20	28	1030	530	640	0,349	225
NKP-G 40-250/260/22 /2	65	40	100	74	241	580	350	180	225	343	-	-	345	279	M12	364	100	-	28	1030	530	640	0,349	263

MODEL	ELECTRICAL DATA					HYDRAULIC DATA										
	MOTOR SIZE	Voltage	P2		In A	Q	0	18	30	36	42	48	54	66	72	
			Nominal kW	HP		m³/h l/min	0	300	500	600	700	800	900	1100	1200	
NKP-G 40-250/230/15 /2	MEC 160 M	400 V Ø	15	20	27.5	H (m)	72.5	72.5	70	68	66	62.5	60	51.5	–	
NKP-G 40-250/245/18.5 /2	MEC 160 L	400 V Ø	18.5	25	33.5		83	83	81.5	80	77	74	71.5	63.5	58.5	
NKP-G 40-250/260/22 /2	MEC 180 M	400 V Ø	22	30	39.5		96	95	93.5	92	90	87.5	84	76.5	71.5	



Liquid temperature range: from -10°C to +140°C
Maximum ambient temperature: +40°C

NKP-G 50-125

 $\approx 2900 \text{ 1/min}$ 

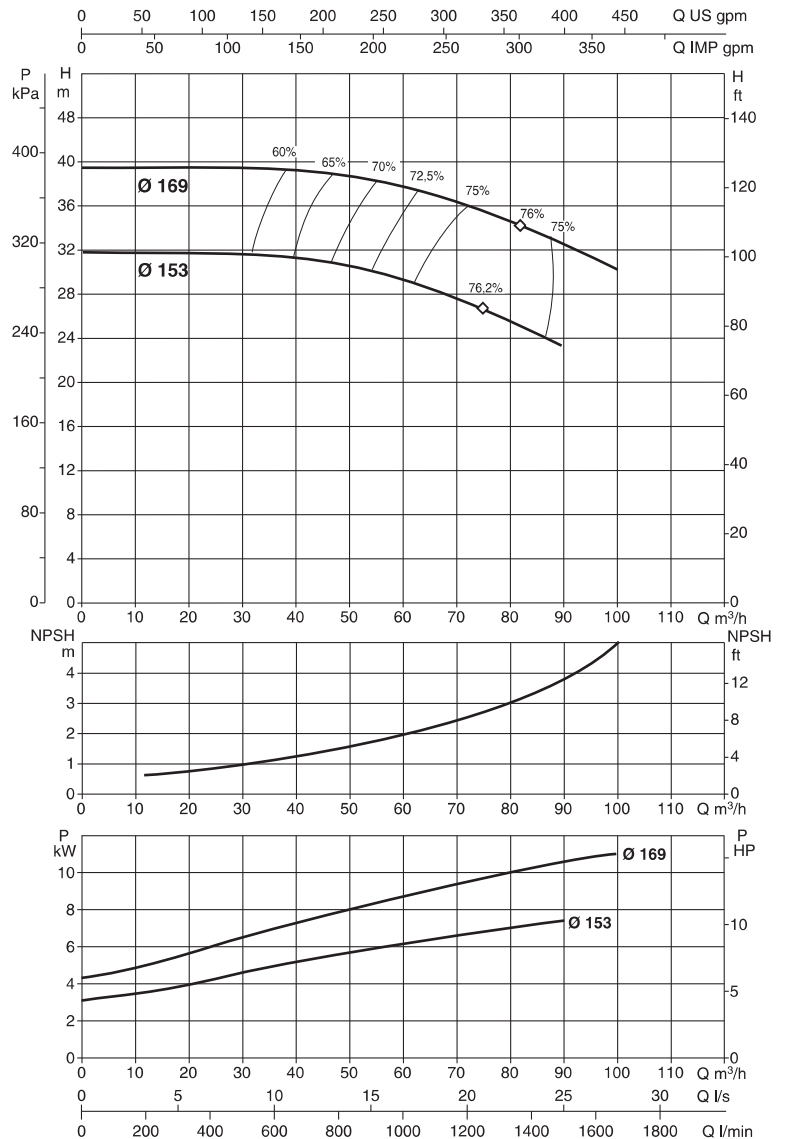
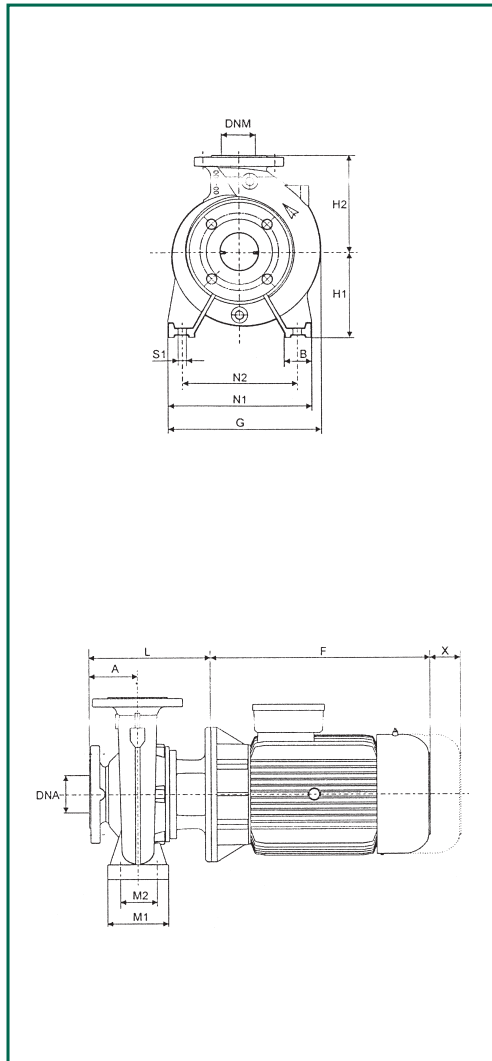
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	H3	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
																				A	B	H		
NKP-G 50-125/115/3 /2	65	50	100	50	—	301	251	132	160	274	100	70	240	190	M10	—	100	—	28	670	420	540	0,152	78
NKP-G 50-125/125/4 /2	65	50	100	50	—	301	251	132	160	274	100	70	240	190	M10	—	100	—	28	670	420	540	0,152	113
NKP-G 50-125/135/5,5 /2	65	50	100	50	—	390	300	132	160	313	100	70	240	190	M10	—	100	20	28	830	430	520	0,186	115
NKP-G 50-125/144/7,5 /2	65	50	100	50	—	390	300	132	160	313	100	70	240	190	M10	—	100	20	28	830	430	520	0,186	120

MODEL	ELECTRICAL DATA					HYDRAULIC DATA									
	MOTOR SIZE	Voltage	P2		In A	Q	0	24	30	42	54	66	84	102	114
			kW	HP		m³/h	0	400	500	700	900	1100	1400	1700	1900
NKP-G 50-125/115/3 /2	MEC 100 L	400 V Ø	3	4	6.4	H (m)	17	16.5	16	15	13.7	12	9	–	–
NKP-G 50-125/125/4 /2	MEC 112 M	400 V Ø	4	5.5	8.5		20.5	20	19.5	18.5	17.5	15.8	12.5	–	–
NKP-G 50-125/135/5.5 /2	MEC 132 S	400 V Ø	5.5	7.5	10.6		24	23.6	23.5	22.8	21.5	20	17.5	13.4	–
NKP-G 50-125/144/7.5 /2	MEC 132 S	400 V Ø	7.5	10	14.1		28	27.8	27.5	27	25.8	24.5	21.5	18	15.5

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 50-160

≅ 2900 1/min



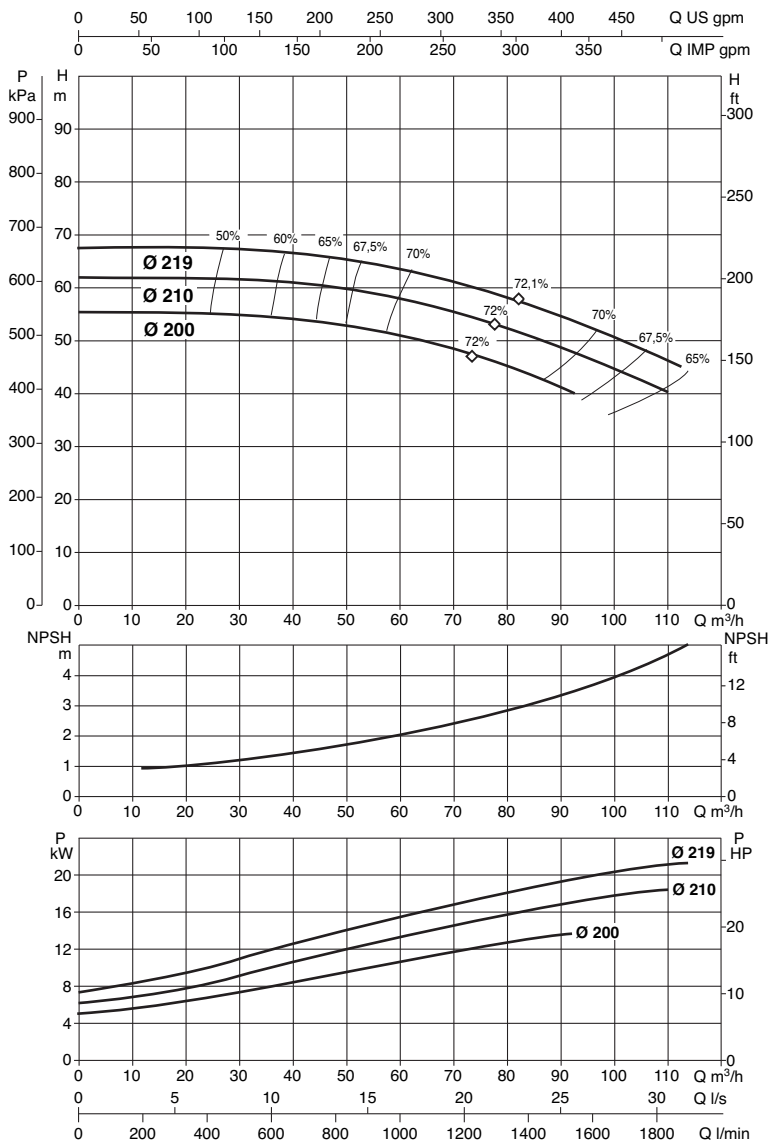
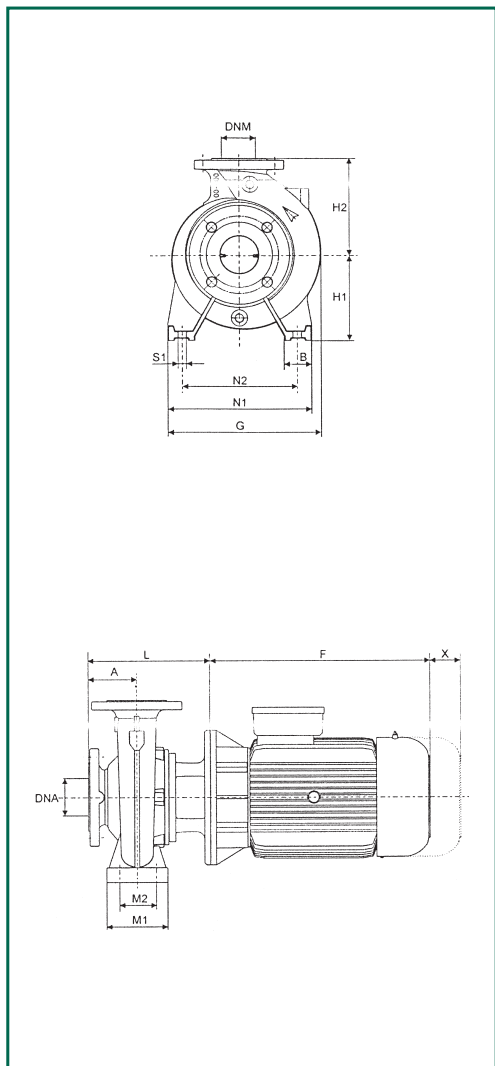
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	H4	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
NKP-G 50-160/153/7.5 /2	65	50	100	50	-	390	300	160	180	313	100	70	265	212	M10	-	100	-	28	1030	530	640	0,349	88
NKP-G 50-160/169/11 /2	65	50	100	67	210	460	350	160	180	343	-	-	314	254	M12	351	100	20	28	1030	530	640	0,349	119

MODEL	ELECTRICAL DATA					HYDRAULIC DATA												
	MOTOR SIZE	Voltage	P2		In A	Q	0	30	42	48	54	66	78	84	90			
			Nominal kW	HP		m³/h l/min	0	500	700	800	900	1100	1300	1400	1500			
NKP-G 50-160/153/7.5 /2	MEC 132 S	400 V ∅	7.5	10	14.1	H	31.9	31.5	31.2	31	30.5	28.5	26	25	23.5			
NKP-G 50-160/169/11 /2	MEC 160 M	400 V ∅	11	15	20.4	(m)	39.6	39.5	39.1	39	38.5	37.2	35	34	32.5			

**HIARTEK**

Liquid temperature range: from -10°C to +140°C
Maximum ambient temperature: +40°C

NKP-G 50-200

≈ 2900 1/min

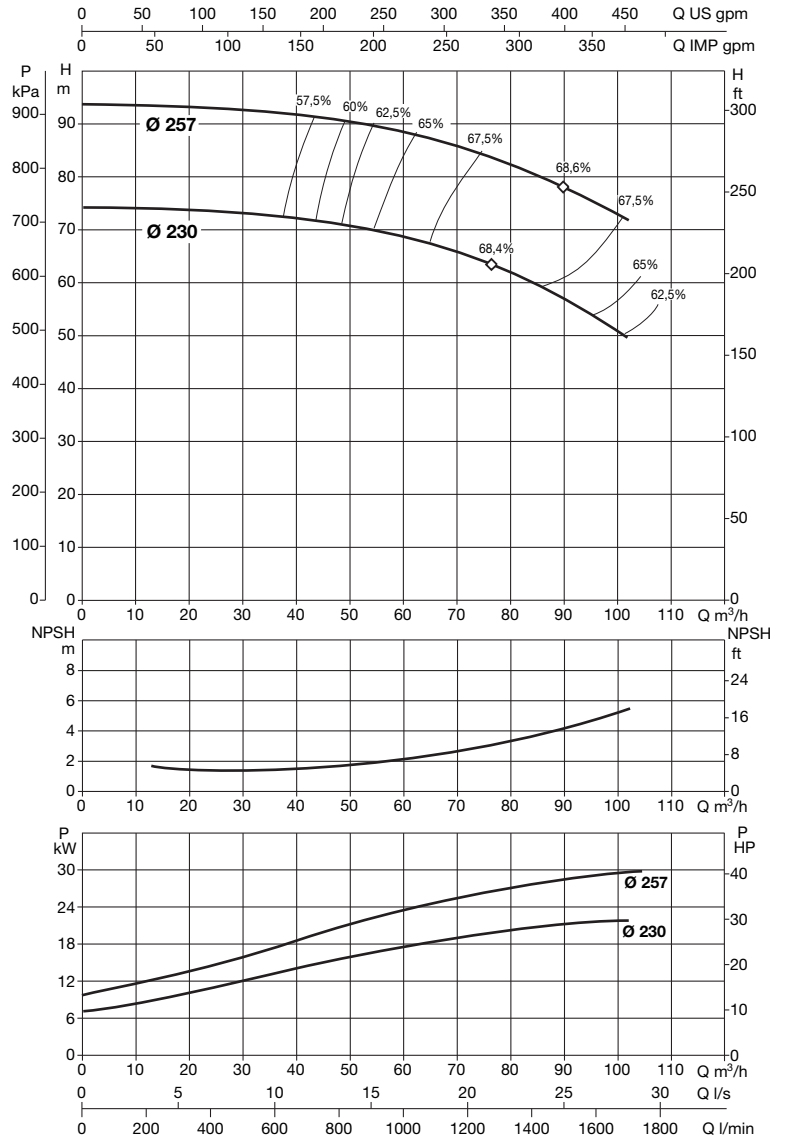
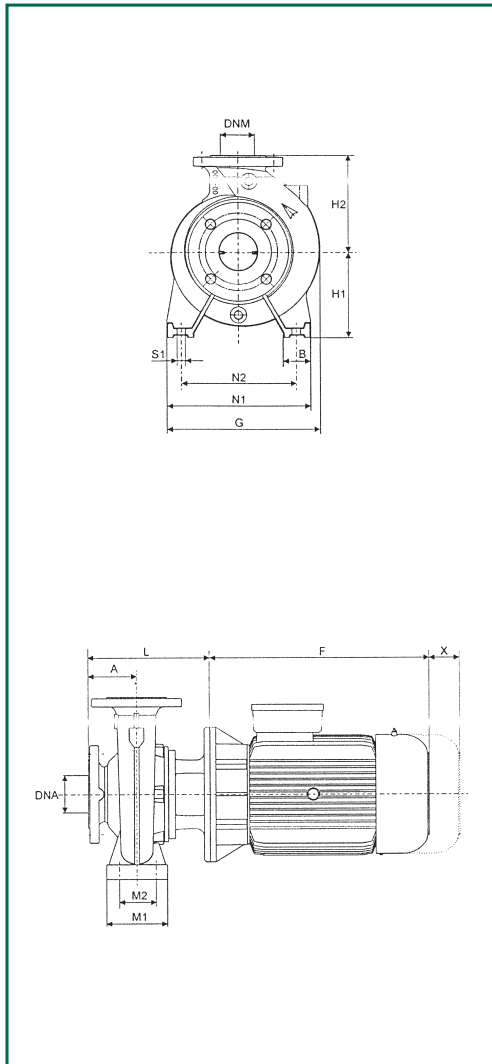
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	H4	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
																				A	B	H		
NKP-G 50-200/200/15 /2	65	50	100	67	210	460	350	160	200	343	–	–	314	254	M12	351	100	20	28	1030	530	640	0,349	203
NKP-G 50-200/210/18,5 /2	65	50	100	67	254	540	350	160	200	343	–	–	314	254	M12	351	100	20	28	1030	530	640	0,349	220
NKP-G 50-200/219/22 /2	65	50	100	74	241	580	350	180	200	343	–	–	345	279	M12	364	100	–	28	1030	530	640	0,349	258

MODEL	ELECTRICAL DATA					HYDRAULIC DATA											
	MOTOR SIZE	Voltage	P2		In A	Q	0	30	42	54	60	66	78	90	102		
			Nominal kW	HP		m³/h											
NKP-G 50-200/200/15 /2	MEC 160 M	400 V Ø	15	20	27.5	H (m)	55.1	54.7	54	52	51	49	45.5	41	-		
NKP-G 50-200/210/18,5 /2	MEC 160 L	400 V Ø	18.5	25	33.5		61.7	61.7	61.5	59	58	56.5	53	48.5	43		
NKP-G 50-200/219/22 /2	MEC 180 M	400 V Ø	22	30	39.5		67.7	67.5	66.5	65.5	64	62.5	59.5	55	50		

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 50-250

≈ 2900 1/min



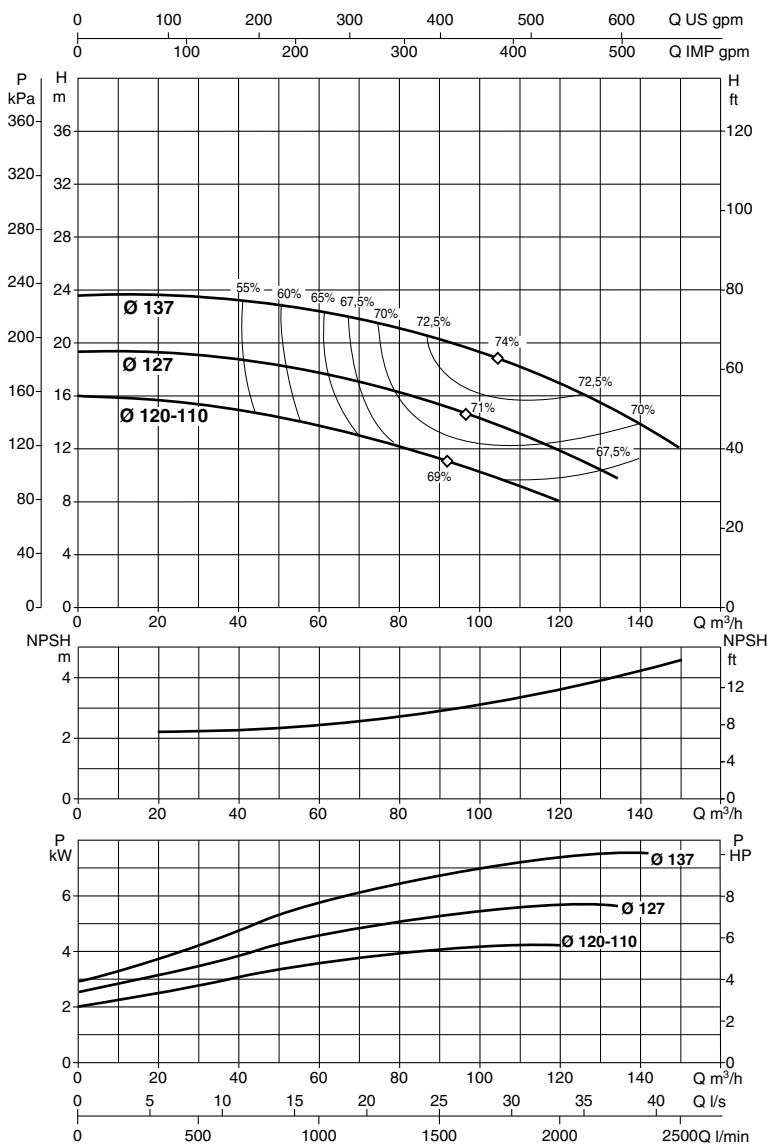
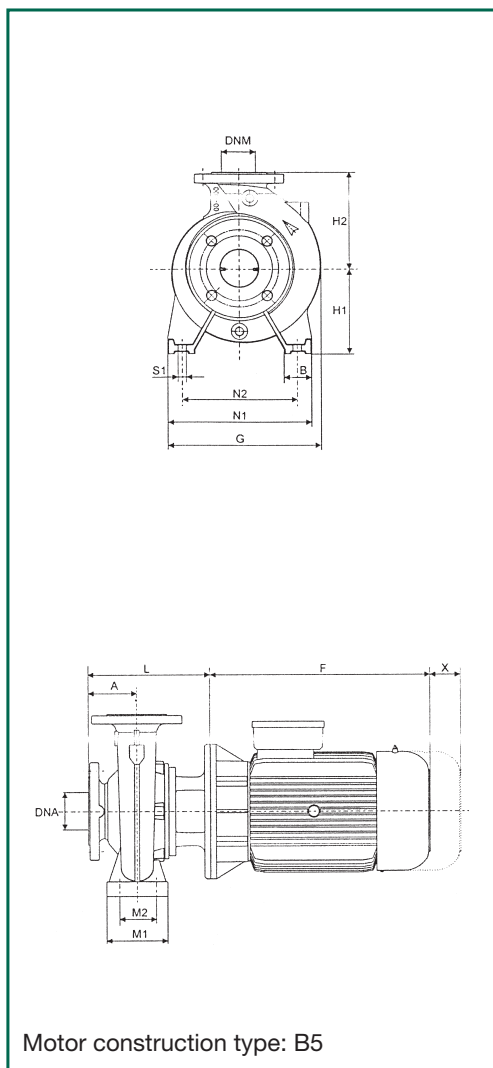
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
																			A	B	H		
NKP-G 50-250/230/22 /2	65	50	100	74	241	580	350	180	225	343	-	-	345	279	M12	364	100	28	1030	530	640	0,349	263
NKP-G 50-250/257/30 /2	65	50	100	85	305	640	400	200	225	343	-	-	388	318	M14	376	100	28	1130	580	740	0,485	354

MODEL	ELECTRICAL DATA					HYDRAULIC DATA									
	MOTOR SIZE	Voltage	P2		In A	Q	0	30	42	54	66	78	84	90	102
			Nominal kW	HP		m³/h l/min	0	500	700	900	1100	1300	1400	1500	1700
NKP-G 50-250/230/22 /2	MEC 180 M	400 V ∅	22	30	39.5	H (m)	73.6	73.2	72.8	71	67	62.5	60	57	49
NKP-G 50-250/257/30 /2	MEC 200 L	400 V ∅	30	40	52.5		93	92.5	92	91	87.5	83	81	78	72

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 65-125

≈ 2900 1/min



MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
NKP-G 65-125/120-110/4/2	80	65	100	65	—	301	286	160	180	274	125	95	280	212	M10	—	100	28	670	420	540	0,152	104
NKP-G 65-125/127/5,5/2	80	65	100	65	—	390	300	160	180	313	125	95	280	212	M10	—	100	28	830	430	520	0,186	113
NKP-G 65-125/137/7,5/2	80	65	100	65	—	390	300	160	180	313	125	95	280	212	M10	—	100	28	830	430	520	0,186	118

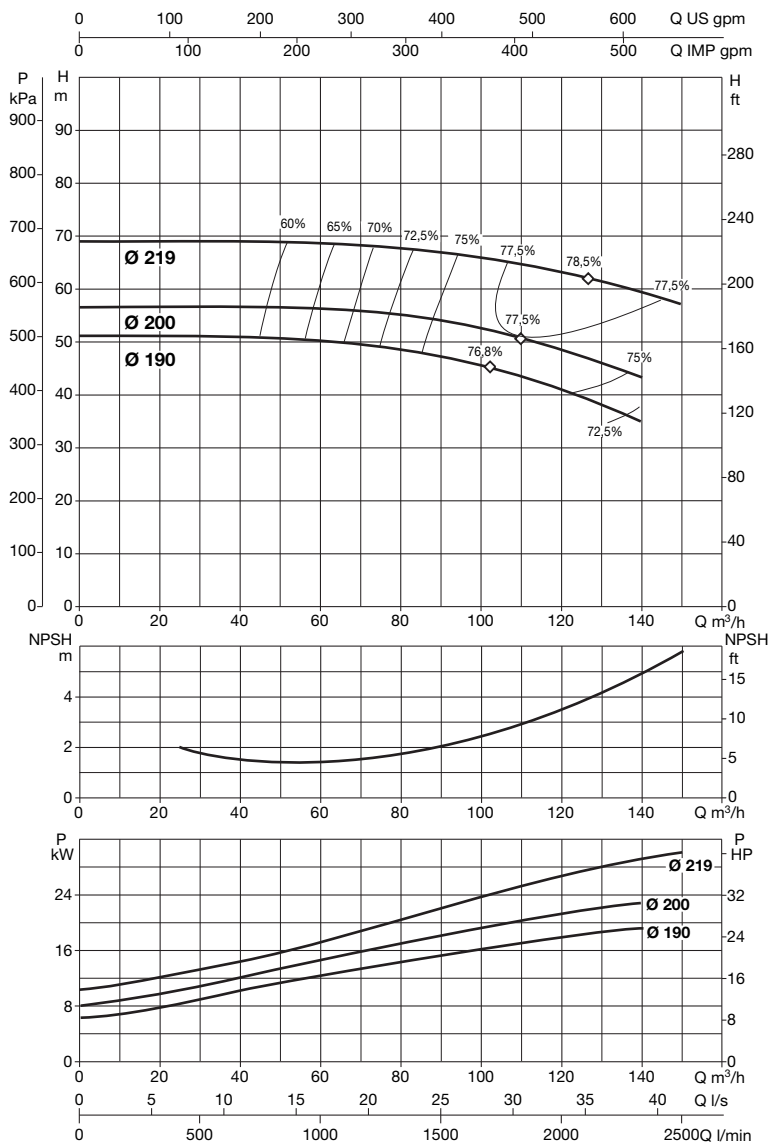
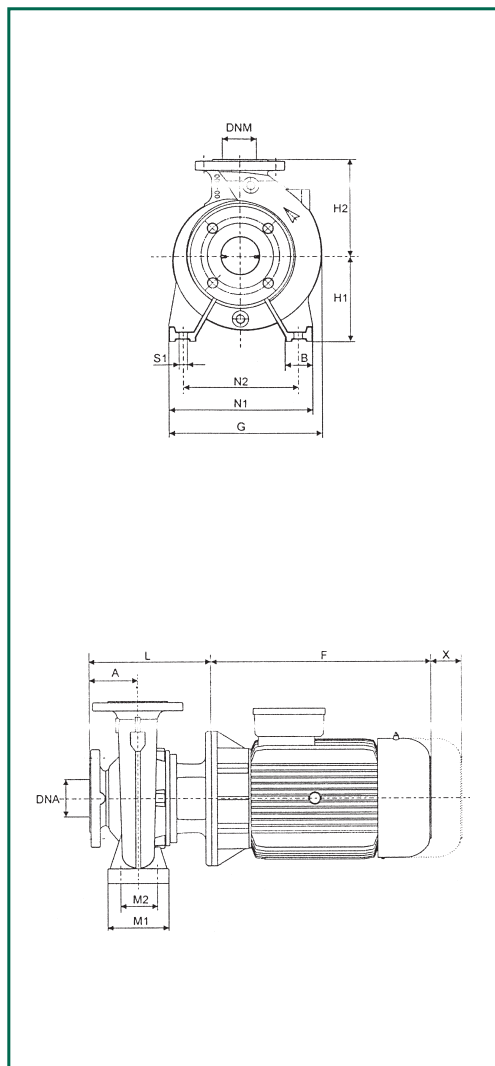
MODEL	ELECTRICAL DATA					HYDRAULIC DATA											
	MOTOR SIZE	Voltage	P2 Nominal kW	HP	In A	Q m³/h	0	36	60	72	78	84	102	114	150		
NKP-G 65-125/120-110/4/2	MEC 112	400 V Ø	4	5,5	8.5	H (m)	16	15	13.3	12.3	12	11.4	8.5	8	—		
NKP-G 65-125/127/5,5/2	MEC 132 S	400 V Ø	5.5	7,5	10.6		19.5	19	18.1	17.2	16.9	16.5	14.5	13	—		
NKP-G 65-125/137/7,5/2	MEC 132 S	400 V Ø	7.5	10	14.1		23.5	23.1	22.5	21.6	21.1	20.7	19	17.5	12		

MODEL	ELECTRICAL DATA					HYDRAULIC DATA									
	MOTOR SIZE	Voltage	P2		In A	Q	0	48	60	72	78	84	102	120	150
			Nominal kW	HP		m³/h									
						l/min	0	800	1000	1200	1300	1400	1700	2000	2500
NKP-G 65-160/157/11 /2	MEC 160 M	400 V Ø	11	15	20.4	H (m)	32.5	32.3	31.9	30.2	30	29.2	27	23.6	–
NKP-G 65-160/173/15 /2	MEC 160 M	400 V Ø	15	20	27.5		40.1	39.7	39.5	39	38.5	38.2	36	33.5	26.9

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 65-200

≈ 2900 1/min



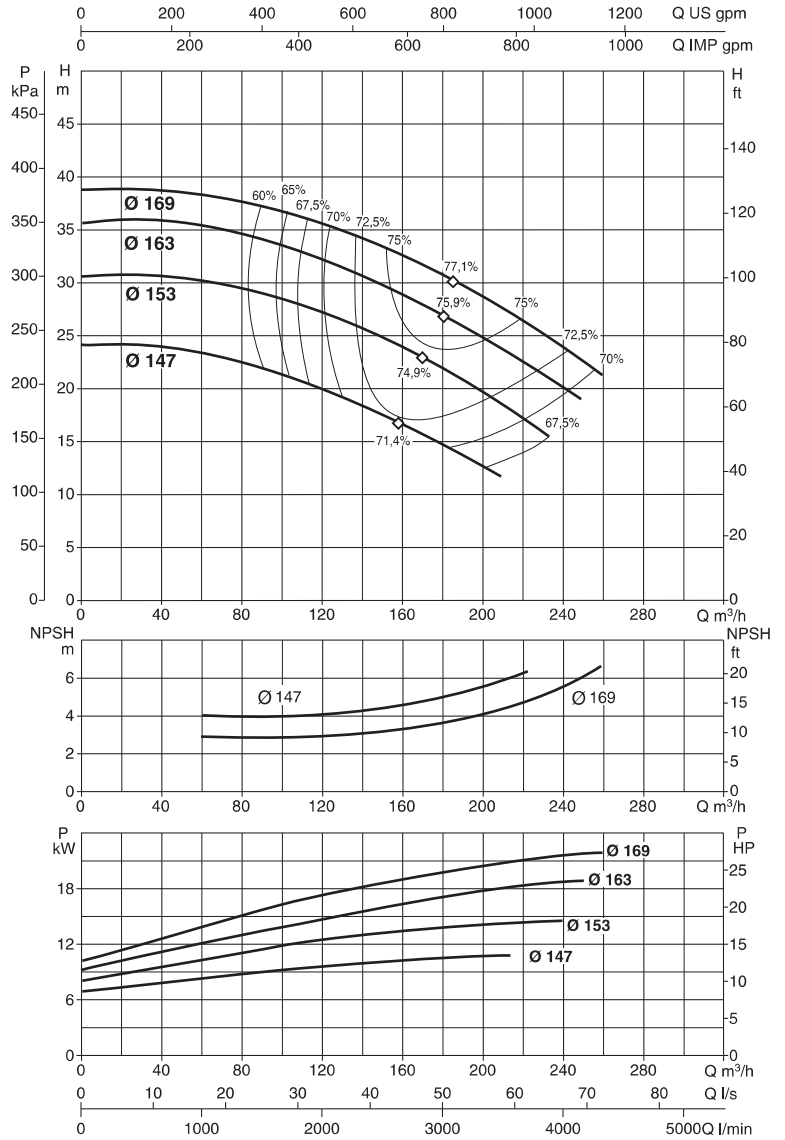
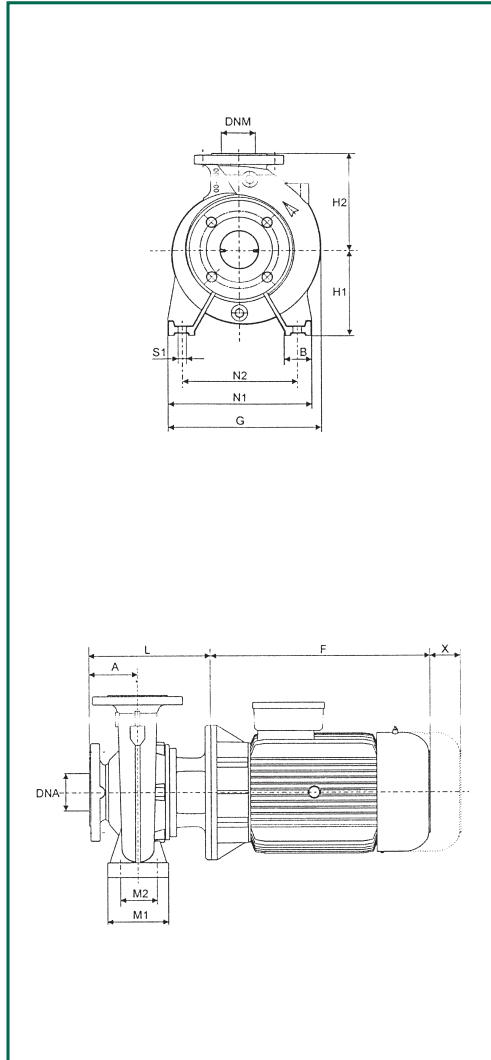
MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	H4	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
NKP-G 65-200/190/18,5 /2	80	65	100	67	254	540	350	160	225	343	-	-	314	254	M12	351	100	20	28	1030	530	640	0,349	225
NKP-G 65-200/200/22 /2	80	65	100	74	241	580	350	180	225	343	-	-	345	279	M12	364	100	-	28	1030	530	640	0,349	263
NKP-G 65-200/219/30 /2	80	65	100	85	305	640	400	200	225	343	-	-	388	318	M14	376	100	-	28	1130	580	740	0,485	354

MODEL	ELECTRICAL DATA					HYDRAULIC DATA												
	MOTOR SIZE	Voltage	P2		In A	Q												
			Nominal kW	HP		m³/h l/min	0	48	60	72	78	84	102	120	150			
NKP-G 65-200/190/18,5 /2	MEC 160 L	400 V Ø	18.5	25	33.5	H (m)	51.1	51	50.5	49	48.5	48	45	41	-			
NKP-G 65-200/200/22 /2	MEC 180 M	400 V Ø	22	30	39.5		56.4	56.1	56	55.5	55	54.8	53	49	-			
NKP-G 65-200/219/30 /2	MEC 200 L	400 V Ø	30	40	52.5		68.9	68.8	68.7	68.6	68.5	68.4	66	63.1	57			

Liquid temperature range: from -10°C to +140°C
 Maximum ambient temperature: +40°C

NKP-G 80-160

≈ 2900 1/min



MODEL	DNA	DNM	A	B	E	F	G	H1	H2	L	M1	M2	N1	N2	S1	W	X	H4	Ø (mm) Mech. seal	PACKING DIMENSIONS			Vol.	Weight Kg
NKP-G 80-160/147-127/11 /2	100	80	125	67	210	460	350	160	225	368	-	-	314	254	M12	351	140	20	28	1030	530	640	0,349	202
NKP-G 80-160/153/15 /2	100	80	125	67	210	460	350	160	225	368	-	-	314	254	M12	351	140	20	28	1030	530	640	0,349	208
NKP-G 80-160/163/18,5 /2	100	80	125	67	254	540	350	160	225	368	-	-	314	254	M12	351	140	20	28	1030	530	640	0,349	225
NKP-G 80-160/169/22 /2	100	80	125	74	241	580	350	180	225	368	-	-	345	279	M12	364	140	-	28	1130	580	740	0,485	261

MODEL	ELECTRICAL DATA					HYDRAULIC DATA									
	MOTOR SIZE	Voltage	P2		In A	Q	0	90	102	114	120	150	180	210	240
			Nominal kW	HP		m³/h l/min	0	1500	1700	1900	2000	2500	3000	3500	4000
NKP-G 80-160/147-127/11 /2	MEC 160 M	400 V ∅	11	15	20.4	H (m)	24	22	21.4	20.4	20	17.4	14.8	12	–
NKP-G 80-160/153/15 /2	MEC 160 M	400 V ∅	15	20	27.5		30.5	29	28.4	27.5	27	24.5	21.3	18.3	–
NKP-G 80-160/163/18,5 /2	MEC 160 L	400 V ∅	18.5	25	33.5		35.5	34.3	33.6	32.6	32.3	29.8	26.8	23.6	20
NKP-G 80-160/169/22 /2	MEC 180 M	400 V ∅	22	30	39.5		38.5	37.2	36.8	36	35.8	33.5	30.8	27.5	24

MODEL	ELECTRICAL DATA					HYDRAULIC DATA									
	MOTOR SIZE	Voltage	P2		In A	Q	0	90	102	114	120	150	180	210	240
			Nominal kW	HP		l/min									
NKP-G 80-200/190/30 /2	MEC 200 L	400 V ∅	30	40	52.5	H (m)	48.3	47.9	47.6	47.5	47.3	44.7	41	36	29

SHIMS

Available on request separately from the pump.

Used to level the pump during installation so as to make up for the difference in centreline heights between the pump and the motor.

The kit comprises two shims with dimensions A (width), B (length), H (height) shown in the table.

The shims with a height of over 20 mm are supplied complete with screws, nuts and washers in order to fix them to the pump and motor.

4 POLES ELECTRIC PUMP

PARTS	P2 kW	DIMENSIONS A x B x H mm.	ref.
NKM-G 65-315/309/11 /4	11	90 X 335 X 65	*
NKM-G 80-250/270/11 /4	11	80 X 290 X 40	*
NKM-G 80-315/305/15 /4	15	90 X 335 X 90	*
NKM-G 80-315/320/18,5 /4	18,5	100 X 320 X 70	*
NKM-G 80-315/334/22 /4	22		*
NKM-G100-250/250/11 /4	11	90 X 335 X 65	*
NKM-G100-250/270/15 /4	15		*
NKM-G100-315/300/18,5 /4	18,5	100 X 320 X 70	*
NKM-G100-315/316/22 /4	22		*
NKM-G125-250/243/15 /4	15	90 X 335 X 90	*
NKM-G125-250/256/18,5 /4	18,5	100 X 320 X 70	*
NKM-G125-250/266/22 /4	22		*
NKM-G150-200/218/11 /4	11	80 X 290 X 120	*

* Shim to fit under the feet of the motor

** Shim to fit under the feet of the pump

2 POLES ELECTRIC PUMP

PARTS	P2 kW	DIMENSIONS A x B x H mm.	ref.
NKP-G 32-125/142/3 /2	3	50 X 100 X 20	**
NKP-G 32-160/177 /5,5/2	5,5		
NKP-G 40-125/130/3 /2	3		
NKP-G 40-125/139/4 /2	4		
NKP-G 40-160/158/5,5 /2	5,5		
NKP-G 40-160/172/7,5 /2	7,5	70 X 332 X 20	*
NKP-G 40-200/210/11 /2	11		
NKP-G 40-250/230/15 /2	15		
NKP-G 40-250/245/18,5 /2	18,5	50 X 100 X 20	**
NKP-G 50-125/135/5,5 /2	5,5		
NKP-G 50-125/144/7,5 /2	7,5	70 X 332 X 20	*
NKP-G 50-160/169/11 /2	11		
NKP-G 50-200/200/15 /2	15		
NKP-G 50-200/210/18,5 /2	18,5		
NKP-G 65-160/157/11 /2	11		
NKP-G 65-160/173/15 /2	15		
NKP-G 65-200/190/18,5 /2	18,5		
NKP-G 80-160/147-127/11 /2	11		
NKP-G 80-160/153/15 /2	15	70 X 125 X 20	**
NKP-G 80-160/163/18,5 /2	18,5		
NKP-G 80-200/190/30 /2	30		

COUNTERFLANGE KIT

Available on request separately from the pump.

The kit comprises intake and delivery counterflanges with the relative gaskets, screws and nuts required by the size of the pump to which it refers.

PARTS	COUNTERFLANGES AND GASKETS	THREADED	TO WELD	MATERIAL	PN
DIN 32	1XDN 32 + 1XDN 50	YES	YES	STEEL	16
DIN 40	1XDN 40 + 1XDN 65	YES	YES	STEEL	16
DIN 50	1XDN 50 + 1XDN 65	YES	YES	STEEL	16
DIN 65	1XDN 65 + 1XDN 80	NO	YES	STEEL	16
DIN 80	1XDN 80 + 1XDN 100	NO	YES	STEEL	16
DIN 100	1XDN 100 + 1XDN 125	NO	YES	STEEL	16
DIN 125	1XDN 125 + 1XDN 150	NO	YES	STEEL	16
DIN 150	1XDN 150 + 1XDN 200	NO	YES	STEEL	16 (10 X DN 200)