

NKM-G NKP-G

STANDARDISED ENBLOC CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING MADE TO DIN-EN 733



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

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

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 consumable rings. AISI 304 stainless steel pump shaft. Seal: standardised mechanical seal made to DIN 24960 in carbon/carborundum with O' rings in EPDM. Closed, asynchronous motor with external ventilation, construction type B3/B5, 2 poles for NKP and 4 poles for NKM.

We recommend using overload protection for the motor, in accordance with cur-

rent norms. In the case of liquids denser than water, the motors must be proportionally more powerful.

Speed of rotation: 1450 - 2900 1/min.

Operating range: from 1 to 500 m³/h with a head of up to 100 metres.

Pumped liquid: clean, without solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to water characteristics.

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).

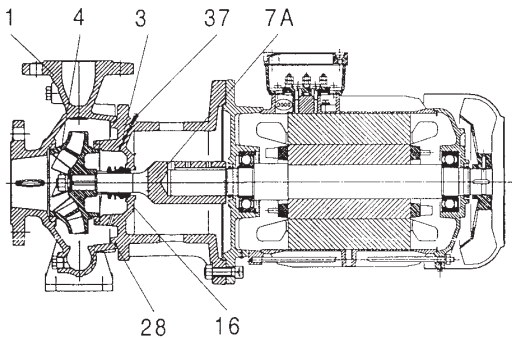
Flanging: PN 16 DIN 2533 - PN 10 DIN 2532 for DN 200

Installation: normally horizontal or vertical provided the motor is always above the pump.

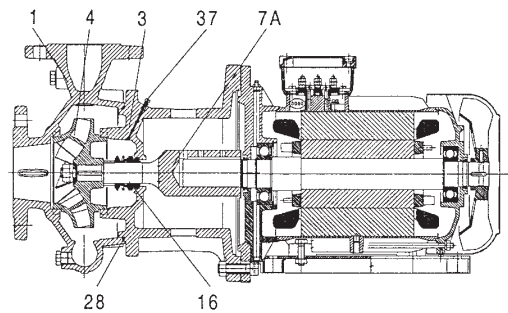
Special versions on request: pumps for liquids other than water.

Other voltages and/or frequencies.

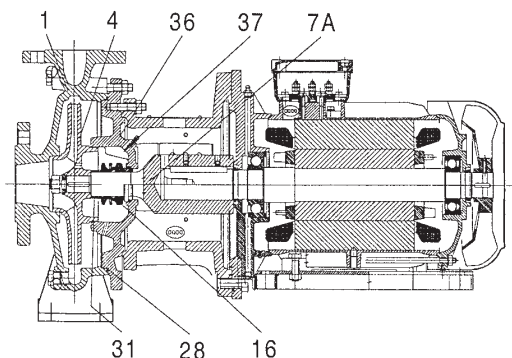
VERSION WITH MOTOR UP TO 7,5 KW COMPRESSED



VERSION WITH MOTOR OVER 7,5 KW



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



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

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

NKM-G

STANDARDISED ENBLOC CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING MADE TO DIN-EN 733



4-POLES (1450 r.p.m.)

MODEL 4 POLES (1450 r.p.m.)	ELECTRICAL DATA							
	MOTOR SIZE	VOLTAGE 50 Hz	P2 NOMINAL		In A	Ø		WEIGHT
			KW	HP		DNA	DNM	
NKM-G 32-125.1/140/A/BAQE/0.25/4	MEC 71	3x230-400 V ~	0.25	0.33	1.2-0.7	50	32	19
NKM-G 32-125/142/A/BAQE/0.37/4	MEC 71	3x230-400 V ~	0.37	0.5	2-1.18	50	32	30,2
NKM-G 32-160.1/169/A/BAQE/0.37/4	MEC 71	3x230-400 V ~	0.37	0.5	2-1.18	50	32	43
NKM-G 32-160/169/A/BAQE/0.55/4	MEC 80	3x230-400 V ~	0.55	0.75	2.8-1.6	50	32	44,5
NKM-G 32-200.1/200/A/BAQE/0.55/4	MEC 80	3x230-400 V ~	0.55	0.75	2.8-1.6	50	32	46
NKM-G 32-200/200/A/BAQE/0.75/4	MEC 80	3x230-400 V ~	0.75	1	3.8-2.2	50	32	48,5
NKM-G 32-200/219/A/BAQE/1.1/4	MEC 90 S	3x230-400 V ~	1.1	1.5	5-2.9	50	32	51
NKM-G 40-125/115/A/BAQE/0.25/4	MEC 71	3x230-400 V ~	0.25	0.33	1.2-0.7	65	40	33
NKM-G 40-125/130/A/BAQE/0.37/4	MEC 71	3x230-400 V ~	0.37	0.5	2-1.18	65	40	35,3
NKM-G 40-125/142/A/BAQE/0.55/4	MEC 71	3x230-400 V ~	0.55	0.75	2.9-1.7	65	40	48
NKM-G 40-160/153/A/BAQE/0.55/4	MEC 71	3x230-400 V ~	0.55	0.75	2.9-1.7	65	40	49
NKM-G 40-160/166/A/BAQE/0.75/4	MEC 80	3x230-400 V ~	0.75	1	3.8-2.2	65	40	50
NKM-G 40-200/200/A/BAQE/1.1/4	MEC 90 S	3x230-400 V ~	1.1	1.5	5-2.9	65	40	53
NKM-G 40-200/219/A/BAQE/1.5/4	MEC 90 L	3x230-400 V ~	1.5	2	6.2-3.6	65	40	55,7
NKM-G 40-250/245/A/BAQE/2.2/4	MEC 100 L	3x230-400 V ~	2.2	3	9.2-5.3	65	40	78
NKM-G 40-250/260/A/BAQE/3/4	MEC 100 L	3x400 V ~ Δ*	3	4	6.7	65	40	74,3
NKM-G 50-125/130/A/BAQE/0.55/4	MEC 71	3x230-400 V ~	0.55	0.75	2.9-1.7	65	50	42
NKM-G 50-125/141/A/BAQE/0.75/4	MEC 80	3x230-400 V ~	0.75	1	3.8-2.2	65	50	43,6
NKM-G 50-160/161/A/BAQE/1.1/4	MEC 90 S	3x230-400 V ~	1.1	1.5	5-2.9	65	50	52,3
NKM-G 50-160/177/A/BAQE/1.5/4	MEC 90 L	3x230-400 V ~	1.5	2	6.2-3.6	65	50	49
NKM-G 50-200/210/A/BAQE/2.2/4	MEC 100 L	3x230-400 V ~	2.2	3	9.2-5.3	65	50	74
NKM-G 50-200/219/A/BAQE/3/4	MEC 100 L	3x400 V ~ Δ*	3	4	6.7	65	50	66,8
NKM-G 50-250/263/A/BAQE/4/4	MEC 112 M	3x400 V ~ Δ*	4	5.5	8.2	65	50	90
NKM-G 65-125/130/A/BAQE/0.75/4	MEC 80	3x230-400 V ~	0.75	1	3.8-2.2	80	65	57
NKM-G 65-125/144/A/BAQE/1.1/4	MEC 90 S	3x230-400 V ~	1.1	1.5	5-2.9	80	65	63
NKM-G 65-160/153/A/BAQE/1.1/4	MEC 90 S	3x230-400 V ~	1.1	1.5	5-2.9	80	65	56,5
NKM-G 65-160/165/A/BAQE/1.5/4	MEC 90 L	3x230-400 V ~	1.5	2	6.2-3.6	80	65	53
NKM-G 65-160/177/A/BAQE/2.2/4	MEC 100 L	3x230-400 V ~	2.2	3	9.2-5.3	80	65	61,3
NKM-G 65-200/210/A/BAQE/3/4	MEC 100 L	3x400 V ~ Δ*	3	4	6.7	80	65	74,9
NKM-G 65-200/219/A/BAQE/4/4	MEC 112 M	3x400 V ~ Δ*	4	5.5	8.2	80	65	80,1
NKM-G 65-250/263/A/BAQE/5.5/4	MEC 132 S	3x400 V ~ Δ*	5.5	7.5	11.3	80	65	146
NKM-G 65-315/279/A/BAQE/7.5/4	MEC 132 M	3x400 V ~ Δ*	7.5	10	14.7	80	65	161,6
NKM-G 65-315/309/A/BAQE/11/4	MEC 160 M	3x400 V ~ Δ*	11	15	22	80	65	194
NKM-G 80-160/153-136/A/BAQE/1.5/4	MEC 90 L	3x230-400 V ~	1.5	2	6.2-3.6	100	80	62,2
NKM-G 80-160/163/A/BAQE/2.2/4	MEC 100 L	3x230-400 V ~	2.2	3	9.2-5.3	100	80	71
NKM-G 80-160/177/A/BAQE/3/4	MEC 100 L	3x400 V ~ Δ*	3	4	6.7	100	80	74
NKM-G 80-200/200/A/BAQE/4/4	MEC 112 M	3x400 V ~ Δ*	4	5.5	8.2	100	80	144,4
NKM-G 80-200/222/A/BAQE/5.5/4	MEC 132 S	3x400 V ~ Δ*	5.5	7.5	11.3	100	80	120
NKM-G 80-250/240/A/BAQE/7.5/4	MEC 132 M	3x400 V ~ Δ*	7.5	10	14.7	100	80	170
NKM-G 80-250/270/A/BAQE/11/4	MEC 160 M	3x400 V ~ Δ*	11	15	22	100	80	255
NKM-G 80-315/305/A/BAQE/15/4	MEC 160 L	3x400 V ~ Δ*	15	20	29	100	80	227
NKM-G 80-315/320/A/BAQE/18.5/4	MEC 180 M	3x400 V ~ Δ*	18.5	25	35	100	80	244
NKM-G 80-315/334/A/BAQE/22/4	MEC 180 L	3x400 V ~ Δ*	22	30	41	100	80	257,3
NKM-G100-200/200/A/BAQE/5.5/4	MEC 132 S	3x400 V ~ Δ*	5.5	7.5	11.3	125	150	135
NKM-G100-200/214/A/BAQE/7.5/4	MEC 132 M	3x400 V ~ Δ*	7.5	10	14.7	125	150	140
NKM-G100-250/250/A/BAQE/11/4	MEC 160 M	3x400 V ~ Δ*	11	15	22	125	150	267
NKM-G100-250/270/A/BAQE/15/4	MEC 160 L	3x400 V ~ Δ*	15	20	29	125	150	295
NKM-G100-315/300/A/BAQE/18.5/4	MEC 180 M	3x400 V ~ Δ*	18.5	25	35	125	150	313
NKM-G100-315/316/A/BAQE/22/4	MEC 180 L	3x400 V ~ Δ*	22	30	41	125	150	325
NKM-G125-250/243/A/BAQE/15/4	MEC 160 L	3x400 V ~ Δ*	15	20	22	150	125	240
NKM-G125-250/256/A/BAQE/18.5/4	MEC 180 M	3x400 V ~ Δ*	18.5	25	35	150	125	258
NKM-G125-250/266/A/BAQE/22/4	MEC 180 L	3x400 V ~ Δ*	22	30	41	150	125	270,4
NKM-G150-200/218/A/BAQE/11/4	MEC 160 M	3x400 V ~ Δ*	11	15	22	150	125	-

* Star (Δ) starting is possible

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2-POLES (2900 r.p.m.)

MODEL 2 POLES (2900 r.p.m.)	ELECTRICAL DATA							
	MOTOR SIZE	VOLTAGE 50 Hz	P2 NOMINAL		In A	Ø		WEIGHT
			kW	HP		DNA	DNM	
NKP-G 32-125.1/102/A/BAQE/0.75/2	MEC 80	3x230-400 V ~	0,75	1	3.2 - 1.9	50	32	44,4
NKP-G 32-125.1/115/A/BAQE/1.1/2	MEC 80	3x230-400 V ~	1,1	1.5	4.5 - 2.6	50	32	45,9
NKP-G 32-125.1/125/A/BAQE/1.5/2	MEC 90 S	3x230-400 V ~	1,5	2	5.9 - 3.4	50	32	47,3
NKP-G 32-125.1/140/A/BAQE/2.2/2	MEC 90 L	3x230-400 V ~	2,2	3	8.5 - 4.9	50	32	49,3
NKP-G 32-125/110/A/BAQE/1.1/2	MEC 80	3x230-400 V ~	1,1	1.5	4.5 - 2.6	50	32	35,8
NKP-G 32-125/120/A/BAQE/1.5/2	MEC 90 S	3x230-400 V ~	1,5	2	5.9 - 3.4	50	32	36,8
NKP-G 32-125/130/A/BAQE/2.2/2	MEC 90 L	3x230-400 V ~	2,2	3	8.5 - 4.9	50	32	43,3
NKP-G 32-125/142/A/BAQE/3/2	MEC 100 L	3x400 V ~ Δ*	3,0	4	6.4	50	32	52,7
NKP-G 32-160.1/155/A/BAQE/2.2/2	MEC 90 L	3x230-400 V ~	2,2	3	5.5 - 4.9	50	32	61
NKP-G 32-160.1/166/A/BAQE/3/2	MEC 100 L	3x400 V ~ Δ*	3,0	4	6.4	50	32	69
NKP-G 32-160/151/A/BAQE/3/2	MEC 100 L	3x400 V ~ Δ*	3,0	4	6.4	50	32	70
NKP-G 32-160/163/A/BAQE/4/2	MEC 112 M	3x400 V ~ Δ*	4,0	5.5	8.5	50	32	80
NKP-G 32-160/177/A/BAQE/5.5/2	MEC 132 S	3x400 V ~ Δ*	5,5	7.5	10.6	50	32	104
NKP-G 32-200.1/188/A/BAQE/4/2	MEC 112 M	3x400 V ~ Δ*	4,0	5.5	8.5	50	32	75
NKP-G 32-200.1/205/A/BAQE/5.5/2	MEC 132 S	3x400 V ~ Δ*	5,5	7.5	10.6	50	32	86
NKP-G 32-200/190/A/BAQE/5.5/2	MEC 132 S	3x400 V ~ Δ*	5,5	7.5	10.6	50	32	87,7
NKP-G 32-200/210/A/BAQE/7.5/2	MEC 132 S	3x400 V ~ Δ*	7,5	10	14.1	50	32	91,1
NKP-G 40-125/107/A/BAQE/1.5/2	MEC 90 S	3x230-400 V ~	1,5	2	5.9 - 3.4	65	40	41,6
NKP-G 40-125/120/A/BAQE/2.2/2	MEC 90 L	3x230-400 V ~	2,2	3	8.5 - 4.9	65	40	57
NKP-G 40-125/130/A/BAQE/3/2	MEC 100 L	3x400 V ~ Δ*	3,0	4	6.4	65	40	68
NKP-G 40-125/139/A/BAQE/4/2	MEC 112	3x400 V ~ Δ*	4,0	5.5	8.5	65	40	81
NKP-G 40-160/158/A/BAQE/5.5/2	MEC 132 S	3x400 V ~ Δ*	5,5	7.5	10.6	65	40	81,5
NKP-G 40-160/172/A/BAQE/7.5/2	MEC 132 S	3x400 V ~ Δ*	7,5	10	14.1	65	40	88,7
NKP-G 40-200/210/A/BAQE/11/2	MEC 160 M	3x400 V ~ Δ*	11,0	15	20.4	65	40	122,1
NKP-G 40-250/230/A/BAQE/15/2	MEC 160 M	3x400 V ~ Δ*	15,0	20	27.5	65	40	137
NKP-G 40-250/245/A/BAQE/18.5/2	MEC 160 L	3x400 V ~ Δ*	18,5	25	33.5	65	40	176,3
NKP-G 40-250/260/A/BAQE/22/2	MEC 180 M	3x400 V ~ Δ*	22,0	30	39.5	65	40	190
NKP-G 50-125/115/A/BAQE/3/2	MEC 100 L	3x400 V ~ Δ*	3,0	4	6.4	65	50	71
NKP-G 50-125/125/A/BAQE/4/2	MEC 112	3x400 V ~ Δ*	4,0	5.5	8.5	65	50	84
NKP-G 50-125/135/A/BAQE/5.5/2	MEC 132 S	3x400 V ~ Δ*	5,5	7.5	10.6	65	50	83,4
NKP-G 50-125/144/A/BAQE/7.5/2	MEC 132 S	3x400 V ~ Δ*	7,5	10	14.1	65	50	86,4
NKP-G 50-160/153/A/BAQE/7.5/2	MEC 132 S	3x400 V ~ Δ*	7,5	10	14.1	65	50	88,2
NKP-G 50-160/169/A/BAQE/11/2	MEC 160 M	3x400 V ~ Δ*	11,0	15	20.4	65	50	119
NKP-G 50-200/200/A/BAQE/15/2	MEC 160 M	3x400 V ~ Δ*	15,0	20	27.5	65	50	133,5
NKP-G 50-200/210/A/BAQE/18.5/2	MEC 160 L	3x400 V ~ Δ*	18,5	25	33.5	65	50	170,1
NKP-G 50-200/219/A/BAQE/22/2	MEC 180 M	3x400 V ~ Δ*	22,0	30	39.5	65	50	184,4
NKP-G 50-250/230/A/BAQE/22/2	MEC 180 M	3x400 V ~ Δ*	22,0	30	39.5	65	50	248
NKP-G 50-250/257/A/BAQE/30/2	MEC 200 L	3x400 V ~ Δ*	30,0	40	52.5	65	50	240
NKP-G 65-125/120-110/A/BAQE/4/2	MEC 112	3x400 V ~ Δ*	4,0	5.5	8.5	80	65	89
NKP-G 65-125/127/A/BAQE/5.5/2	MEC 132 S	3x400 V ~ Δ*	5,5	7.5	10.6	80	65	115
NKP-G 65-125/137/A/BAQE/7.5/2	MEC 132 S	3x400 V ~ Δ*	7,5	10	14.1	80	65	90,7
NKP-G 65-160/157/A/BAQE/11/2	MEC 160 M	3x400 V ~ Δ*	11,0	15	20.4	80	65	121,5
NKP-G 65-160/173/A/BAQE/15/2	MEC 160 M	3x400 V ~ Δ*	15,0	20	27.5	80	65	128
NKP-G 65-200/190/A/BAQE/18.5/2	MEC 160 L	3x400 V ~ Δ*	18,5	25	33.5	80	65	238
NKP-G 65-200/200/A/BAQE/22/2	MEC 180 M	3x400 V ~ Δ*	22,0	30	39.5	80	65	188,1
NKP-G 65-200/219/A/BAQE/30/2	MEC 200 L	3x400 V ~ Δ*	30,0	40	52.5	80	65	238
NKP-G 80-160/147-127/A/BAQE/11/2	MEC 160 M	3x400 V ~ Δ*	11,0	15	20.4	100	80	136,8
NKP-G 80-160/153/A/BAQE/15/2	MEC 160 M	3x400 V ~ Δ*	15,0	20	27.5	100	80	136
NKP-G 80-160/163/A/BAQE/18.5/2	MEC 160 L	3x400 V ~ Δ*	18,5	25	33.5	100	80	172,4
NKP-G 80-160/169/A/BAQE/22/2	MEC 180 M	3x400 V ~ Δ*	22,0	30	39.5	100	80	187
NKP-G 80-200/190/A/BAQE/30/2	MEC 200 L	3x400 V ~ Δ*	30,0	40	52.5	100	80	255,2

* Star (Δ) starting is possible

