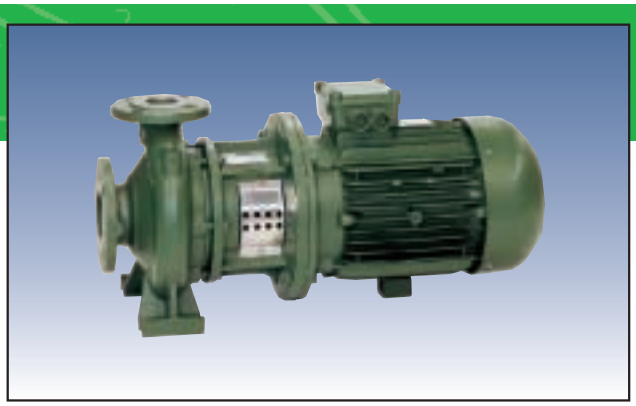
DAB
PUMP PERFORMANCE

NKM-G

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



4-POLES (1450 1/min)

MODEL 4 POLES (1450 1/min)	ELECTRICAL DATA							
	MOTOR SIZE	VOLTAGE 50 HZ	P2 NOMINAL		In A	Ø		WEIGHT
			kW	HP		DNA	DNM	
NKM-G 32-125.1 0 - 0.25 A A	MEC 71	3x230-400 V ~	0.25	0.33	1.2 - 0.7	50	32	19
NKM-G 32-125 0 - 0.37 A A	MEC 71	3x230-400 V ~	0.37	0.5	2-1.18	50	32	30,2
NKM-G 32-160.1 1 – 0.37 A A	MEC 71	3x230-400 V ~	0.37	0.5	2 - 1.18	50	32	43
NKM-G 32-160 1 – 0.55 A A	MEC 80	3x230-400 V ~	0.55	0.75	2.8 - 1.6	50	32	44,5
NKM-G 32-200.1 1 - 0.55 A A	MEC 80	3x230-400 V ~	0.55	0.75	2.8 - 1.6	50	32	46
NKM-G 32-200 2 - 0.75 A A	MEC 80	3x230-400 V ~	0.75	1	3.8 - 2.2	50	32	48,5
NKM-G 32-200 0 - 1.1 A A	MEC 90 S	3x230-400 V ~	1.1	1.5	5 - 2.9	50	32	51
NKM-G 40-125 6 – 0.25 A A	MEC 71	3x230-400 V ~	0.25	0.33	1.2-0.7	65	40	33
NKM-G 40-125 3 – 0.37 A A	MEC 71	3x230-400 V ~	0.37	0.5	2-1.18	65	40	35,3
NKM-G 40-125 0 – 0.55 A A	MEC 71	3x230-400 V ~	0.55	0.75	2.9 - 1.7	65	40	48
NKM-G 40-160 6 – 0.55 A A	MEC 71	3x230-400 V ~	0.55	0.75	2.9 - 1.7	65	40	49
NKM-G 40-160 3 – 0.75 A A	MEC 80	3x230-400 V ~	0.75	1	3.8 - 2.2	65	40	50
NKM-G 40-200 2 - 1.1 A A	MEC 90 S	3x230-400 V ~	1.1	1.5	5-2.9	65	40	53
NKM-G 40-200 0 - 1.5 A A	MEC 90 L	3x230-400 V ~	1.5	2	6.2-3.6	65	40	55,7
NKM-G 40-250 2 - 2.2 A A	MEC 100 L	3x230-400 V ~	2.2	3	9.2 - 5.3	65	40	78
NKM-G 40-250 0 - 3 A A	MEC 100 L	3x400 V ~ Δ*	3	4	6.7	65	40	74,3
NKM-G 50-125 4 – 0.55 A A	MEC 71	3x230-400 V ~	0.55	0.75	2.9 - 1.7	65	50	42
NKM-G 50-125 1 – 0.75 A A	MEC 80	3x230-400 V ~	0.75	1	3.8 - 2.2	65	50	43,6
NKM-G 50-160 2 - 1.1 A A	MEC 90 S	3x230-400 V ~	1.1	1.5	5-2.9	65	50	52,3
NKM-G 50-160 0 - 1.5 A A	MEC 90 L	3x230-400 V ~	1.5	2	6.2-3.6	65	50	49
NKM-G 50-200 1 - 2.2 A A	MEC 100 L	3x230-400 V ~	2.2	3	9.2 - 5.3	65	50	74
NKM-G 50-200 0 - 3 A A	MEC 100 L	3x400 V ~ Δ*	3	4	6.7	65	50	66,8
NKM-G 50-250 0 - 4 A A	MEC 112 M	3x400 V ~ Δ*	4	5.5	8.2	65	50	90
NKM-G 65-125 4 – 0.75 A A	MEC 80	3x230-400 V ~	0.75	1	3.8 - 2.2	80	65	57
NKM-G 65-125 0 - 1.1 A A	MEC 90 S	3x230-400 V ~	1.1	1.5	5-2.9	80	65	63
NKM-G 65-160 6 - 1.1 A A	MEC 90 S	3x230-400 V ~	1.1	1.5	5-2.9	80	65	56,5
NKM-G 65-160 3 - 1.5 A A	MEC 90 L	3x230-400 V ~	1.5	2	6.2 - 3.6	80	65	53
NKM-G 65-160 0 - 2.2 A A	MEC 100 L	3x230-400 V ~	2.2	3	9.2 - 5.3	80	65	61,3
NKM-G 65-200 1 - 3 A A	MEC 100 L	3x400 V ~ Δ*	3	4	6.7	80	65	74,9
NKM-G 65-200 0 - 4 A A	MEC 112 M	3x400 V ~ Δ*	4	5.5	8.2	80	65	80,1
NKM-G 65-250 0 – 5.5 A A	MEC 132 S	3x400 V ~ Δ*	5.5	7.5	11.3	80	65	146
NKM-G 65-315 4 – 7.5 A A	MEC 132 M	3x400 V ~ Δ*	7.5	10	14.7	80	65	161,6
NKM-G 65-315 1 – 11 A A	MEC 160 M	3x400 V ~ Δ*	11	15	22	80	65	194
NKM-G 80-160 5 - 1.5 A A	MEC 90 L	3x230-400 V ~	1.5	2	6.2 - 3.6	100	80	62,2
NKM-G 80-160 2 - 2.2 A A	MEC 100 L	3x230-400 V ~	2.2	3	9.2 - 5.3	100	80	71
NKM-G 80-160 0 - 3 A A	MEC 100 L	3x400 V ~ Δ*	3	4	6.7	100	80	74
NKM-G 80-200 2 - 4 A A	MEC 112 M	3x400 V ~ Δ*	4	5.5	8.2	100	80	144,4
NKM-G 80-200 0 - 5.5 A A	MEC 132 S	3x400 V ~ Δ*	5.5	7.5	11.3	100	80	120
NKM-G 80-250 3 – 7.5 A A	MEC 132 M	3x400 V ~ Δ*	7.5	10	14.7	100	80	170
NKM-G 80-250 0 - 11 A A	MEC 160 M	3x400 V ~ Δ*	11	15	22	100	80	255
NKM-G 80-315 2 - 15 A A	MEC 160 L	3x400 V ~ Δ*	15	20	29	100	80	227
NKM-G 80-315 1 - 18.5 A A	MEC 180 M	3x400 V ~ Δ*	18.5	25	35	100	80	244
NKM-G 80-315 0 - 22 A A	MEC 180 L	3x400 V ~ Δ*	22	30	41	100	80	257,3
NKM-G 100-200 3 - 5.5 A A	MEC 132 S	3x400 V ~ Δ*	5.5	7.5	11.3	125	150	135
NKM-G 100-200 1 – 7.5 A A	MEC 132 M	3x400 V ~ Δ*	7.5	10	14.7	125	150	140
NKM-G 100-250 2 - 11 A A	MEC 160 M	3x400 V ~ Δ*	11	15	22	125	150	267
NKM-G 100-250 0 – 15 A A	MEC 160 L	3x400 V ~ Δ*	15	20	29	125	150	295
NKM-G 100-315 4 - 18.5 A A	MEC 180 M	3x400 V ~ Δ*	18.5	25	35	125	150	313
NKM-G 100-315 2 – 22 A A	MEC 180 L	3x400 V ~ Δ*	22	30	41	125	150	325
NKM-G 125-250 5 - 15 A A	MEC 160 L	3x400 V ~ Δ*	15	20	22	150	125	240
NKM-G 125-250 3 - 18.5 A A	MEC 180 M	3x400 V ~ Δ*	18.5	25	35	150	125	258
NKM-G 125-250 1 - 22 A A	MEC 180 L	3x400 V ~ Δ*	22	30	41	150	125	270,4
NKM-G 150-200 1 - 11 A A	MEC 160 M	3x400 V ~ Δ*	11	15	22	150	125	–

* Star (⅄) starting is possible

NKP-G

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

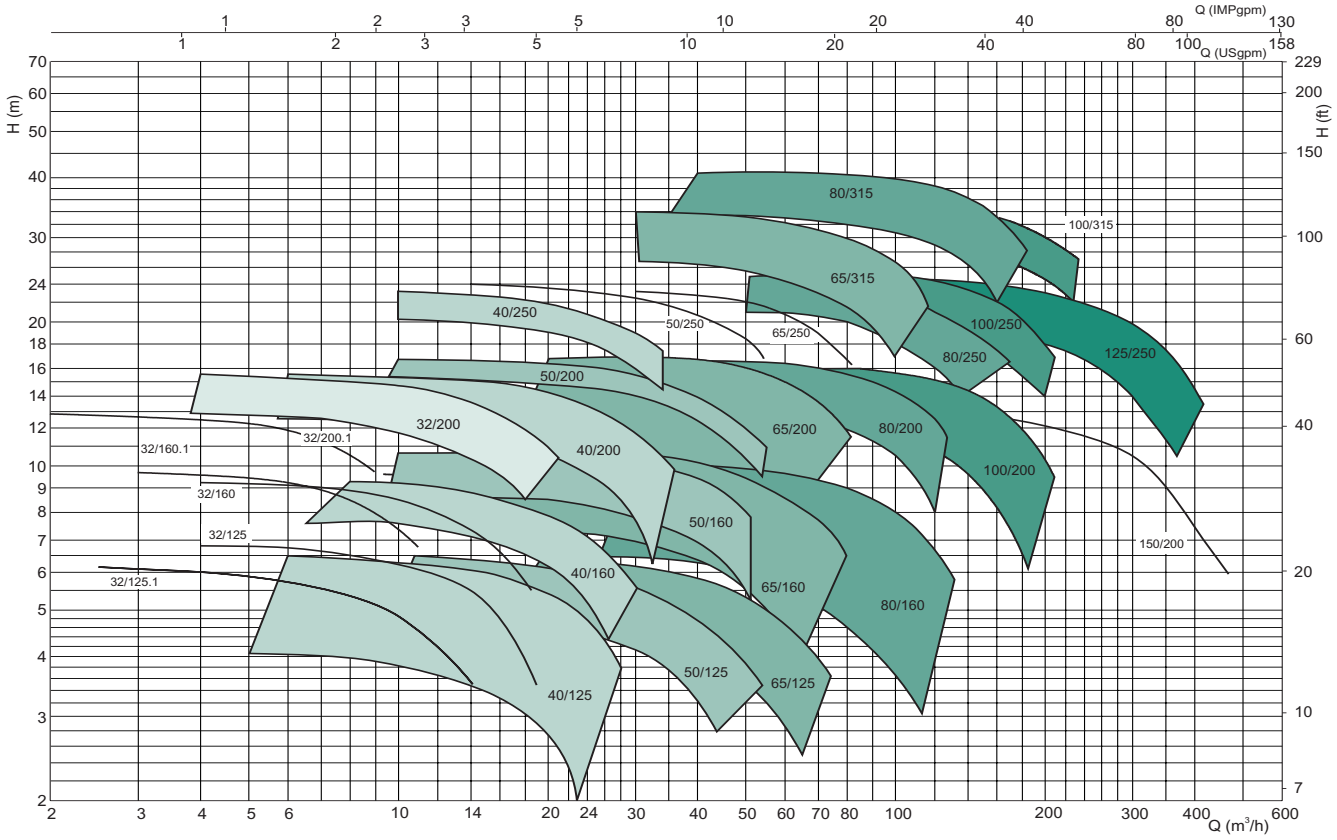
2-POLES (2900 1/min)

MODEL 2 POLES (2900 1/min)	ELECTRICAL DATA							
	MOTOR SIZE	VOLTAGE 50 HZ	P2 NOMINAL		In A	Ø		WEIGHT
			kW	HP		DNA	DNM	
NKP-G 32-125.1 8 – 0.75 A A	MEC 80	3x230-400 V ~	0,75	1	3.2 - 1.9	50	32	44,4
NKP-G 32-125.1 5 - 1.1 A A	MEC 80	3x230-400 V ~	1,1	1.5	4.5 - 2.6	50	32	45,9
NKP-G 32-125.1 3 – 1.5 A A	MEC 90 S	3x230-400 V ~	1,5	2	5.9 - 3.4	50	32	47,3
NKP-G 32-125.1 0 – 2.2 A A	MEC 90 L	3x230-400 V ~	2,2	3	8.5 - 4.9	50	32	49,3
NKP-G 32-125 6 - 1.1 A A	MEC 80	3x230-400 V ~	1,1	1.5	4.5 - 2.6	50	32	35,8
NKP-G 32-125 4 - 1.5 A A	MEC 90 S	3x230-400 V ~	1,5	2	5.9 - 3.4	50	32	36,8
NKP-G 32-125 2 - 2.2 A A	MEC 90 L	3x230-400 V ~	2,2	3	8.5 - 4.9	50	32	43,3
NKP-G 32-125 0 - 3 A A	MEC 100 L	3x400 V ~ Δ*	3,0	4	6.4	50	32	52,7
NKP-G 32-160.1 4 - 2.2 A A	MEC 90 L	3x230-400 V ~	2,2	3	5.5 - 4.9	50	32	61
NKP-G 32-160.1 3 - 3 A A	MEC 100 L	3x400 V ~ Δ*	3,0	4	6.4	50	32	69
NKP-G 32-160 5 - 3 A A	MEC 100 L	3x400 V ~ Δ*	3,0	4	6.4	50	32	70
NKP-G 32-160 2 - 4 A A	MEC 112 M	3x400 V ~ Δ*	4,0	5.5	8.5	50	32	80
NKP-G 32-160 0 - 5.5 A A	MEC 132 S	3x400 V ~ Δ*	5,5	7.5	10.6	50	32	104
NKP-G 32-200.1 4 - 4 A A	MEC 112 M	3x400 V ~ Δ*	4,0	5.5	8.5	50	32	75
NKP-G 32-200.1 1 - 5.5 A A	MEC 132 S	3x400 V ~ Δ*	5,5	7.5	10.6	50	32	86
NKP-G 32-200 3 - 5.5 A A	MEC 132 S	3x400 V ~ Δ*	5,5	7.5	10.6	50	32	87,7
NKP-G 32-200 1 - 7.5 A A	MEC 132 S	3x400 V ~ Δ*	7,5	10	14.1	50	32	91,1
NKP-G 40-125 7 – 1.5 A A	MEC 90 S	3x230-400 V ~	1,5	2	5.9 - 3.4	65	40	41,6
NKP-G 40-125 5 – 2.2 A A	MEC 90 L	3x230-400 V ~	2,2	3	8.5 - 4.9	65	40	57
NKP-G 40-125 3 – 3 A A	MEC 100 L	3x400 V ~ Δ*	3,0	4	6.4	65	40	68
NKP-G 40-125 1 - 4 A A	MEC 112	3x400 V ~ Δ*	4,0	5.5	8.5	65	40	81
NKP-G 40-160 5 – 5.5 A A	MEC 132 S	3x400 V ~ Δ*	5,5	7.5	10.6	65	40	81,5
NKP-G 40-160 1 – 7.5 A A	MEC 132 S	3x400 V ~ Δ*	7,5	10	14.1	65	40	88,7
NKP-G 40-200 1 - 11 A A	MEC 160 M	3x400 V ~ Δ*	11,0	15	20.4	65	40	122,1
NKP-G 40-250 4 - 15 A A	MEC 160 M	3x400 V ~ Δ*	15,0	20	27.5	65	40	137
NKP-G 40-250 2 - 18.5 A A	MEC 160 L	3x400 V ~ Δ*	18,5	25	33.5	65	40	176,3
NKP-G 40-250 0 - 22 A A	MEC 180 M	3x400 V ~ Δ*	22,0	30	39.5	65	40	190
NKP-G 50-125 7 – 3 A A	MEC 100 L	3x400 V ~ Δ*	3,0	4	6.4	65	50	71
NKP-G 50-125 5 – 4 A A	MEC 112	3x400 V ~ Δ*	4,0	5.5	8.5	65	50	84
NKP-G 50-125 3 – 5.5 A A	MEC 132 S	3x400 V ~ Δ*	5,5	7.5	10.6	65	50	83,4
NKP-G 50-125 0 – 7.5 A A	MEC 132 S	3x400 V ~ Δ*	7,5	10	14.1	65	50	86,4
NKP-G 50-160 3 - 7.5 A A	MEC 132 S	3x400 V ~ Δ*	7,5	10	14.1	65	50	88,2
NKP-G 50-160 1 - 11 A A	MEC 160 M	3x400 V ~ Δ*	11,0	15	20.4	65	50	119
NKP-G 50-200 2 - 15 A A	MEC 160 M	3x400 V ~ Δ*	15,0	20	27.5	65	50	133,5
NKP-G 50-200 1 - 18.5 A A	MEC 160 L	3x400 V ~ Δ*	18,5	25	33.5	65	50	170,1
NKP-G 50-200 0 - 22 A A	MEC 180 M	3x400 V ~ Δ*	22,0	30	39.5	65	50	184,4
NKP-G 50-250 4 - 22 A A	MEC 180 M	3x400 V ~ Δ*	22,0	30	39.5	65	50	248
NKP-G 50-250 1 - 30 A A	MEC 200 L	3x400 V ~ Δ*	30,0	40	52.5	65	50	240
NKP-G 65-125 8 - 4 A A	MEC 112	3x400 V ~ Δ*	4,0	5.5	8.5	80	65	89
NKP-G 65-125 5 – 5.5 A A	MEC 132 S	3x400 V ~ Δ*	5,5	7.5	10.6	80	65	115
NKP-G 65-125 2 – 7.5 A A	MEC 132 S	3x400 V ~ Δ*	7,5	10	14.1	80	65	90,7
NKP-G 65-160 5 - 11 A A	MEC 160 M	3x400 V ~ Δ*	11,0	15	20.4	80	65	121,5
NKP-G 65-160 1 - 15 A A	MEC 160 M	3x400 V ~ Δ*	15,0	20	27.5	80	65	128
NKP-G 65-200 3 - 18.5 A A	MEC 160 L	3x400 V ~ Δ*	18,5	25	33.5	80	65	238
NKP-G 65-200 2 - 22 A A	MEC 180 M	3x400 V ~ Δ*	22,0	30	39.5	80	65	188,1
NKP-G 65-200 0 - 30 A A	MEC 200 L	3x400 V ~ Δ*	30,0	40	52.5	80	65	238
NKP-G 80-160 6 - 11 A A	MEC 160 M	3x400 V ~ Δ*	11,0	15	20.4	100	80	136,8
NKP-G 80-160 4 - 15 A A	MEC 160 M	3x400 V ~ Δ*	15,0	20	27.5	100	80	136
NKP-G 80-160 2 - 18.5 A A	MEC 160 L	3x400 V ~ Δ*	18,5	25	33.5	100	80	172,4
NKP-G 80-160 1 - 22 A A	MEC 180 M	3x400 V ~ Δ*	22,0	30	39.5	100	80	187
NKP-G 80-200 3 - 30 A A	MEC 200 L	3x400 V ~ Δ*	30,0	40	52.5	100	80	255,2

* Star (⅄) starting is possible

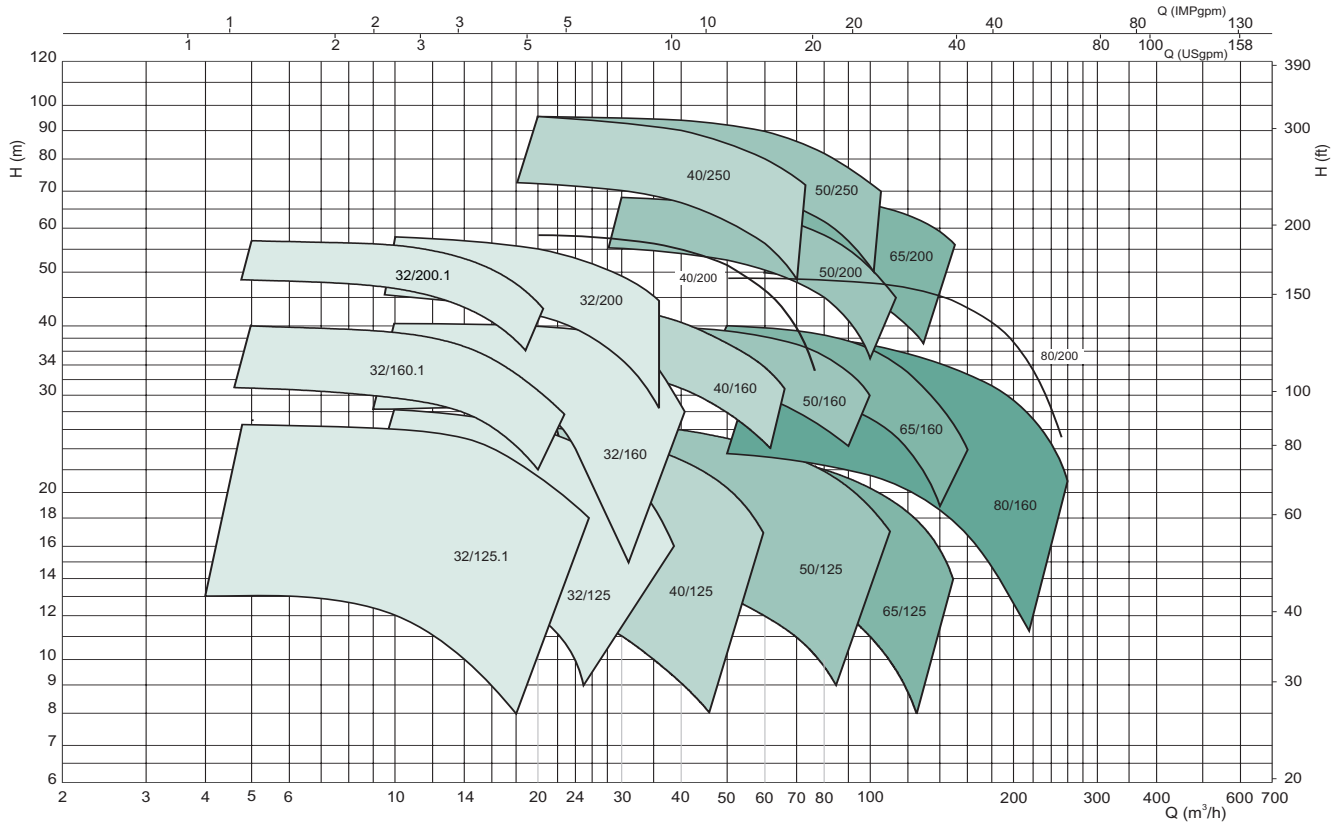
HYDRAULIC DATA NKM-G

4 POLES (1450 1/min)



HYDRAULIC DATA NKP-G

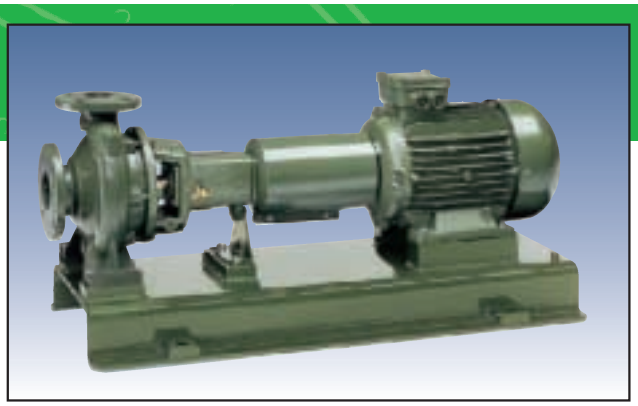
2 POLES (2900 1/min)



KDN-DIN EN 733

STANDARDISED CENTRIFUGAL PUMPS BARE SHAFT ON BEDPLATE WITH MOTOR AND COUPLING

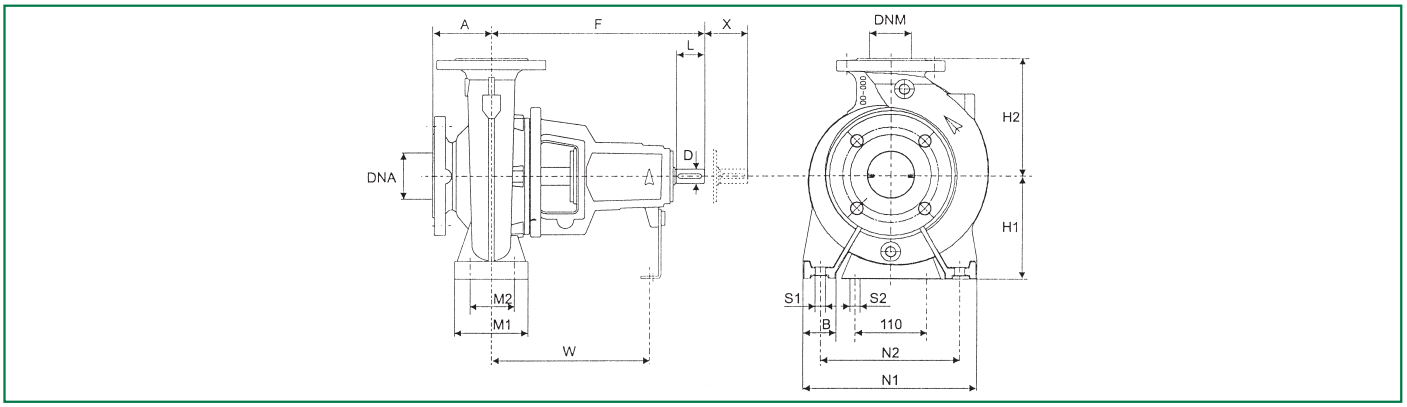
CE



Enbloc, centrifugal electric 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 industries.
- The implementation of pumping systems.

These can be connected to a two or four poles electric motor with a coupling and mounted on a pressed metal bedplate in accordance with UNI EN 23661.
Single-stage, cast iron spiral body made to DIN-EN 733 (formerly DIN 24255), cast iron seal holder cover and motor support, flanges in accordance with DIN 2533 (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.
Stainless steel pump shaft supported by two large maintenance-free greased ball bearings, housed inside a special chamber of the support. Standard seal: standardised mechanical seal made to DIN 24960 in carbon/carborundum with O' rings in EPDM. Packing on request with hydraulic lubricating ring and stuffing box in two easily removable parts.

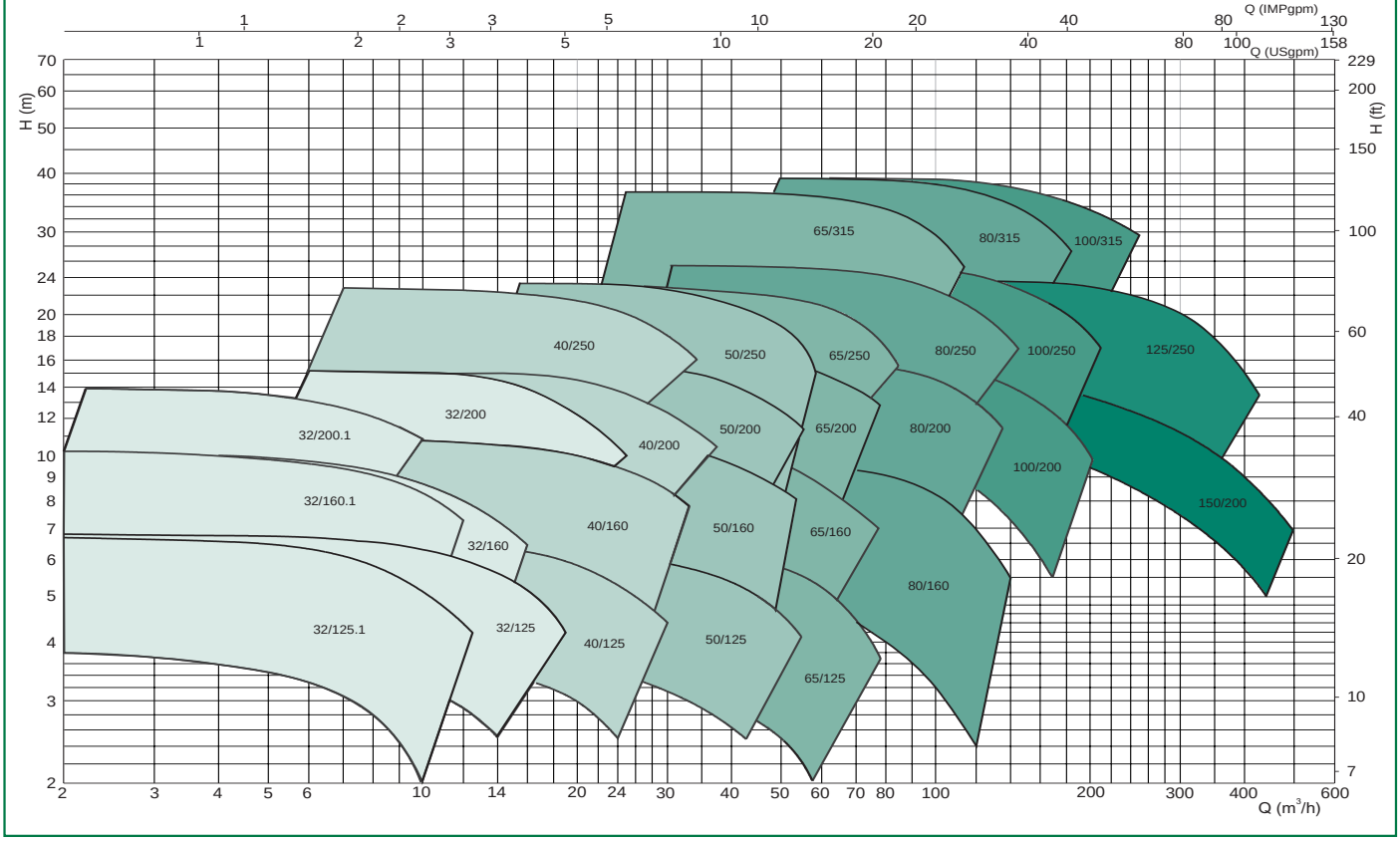
Speed of rotation: 1450 - 2900 1/min.
Operating range: from 1 to 500 m^3/h with a head of up to 100 metres.
Pumped liquid: clean, without solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to water characteristics.
Liquid temperature range: from -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.
Special versions on request: pumps for liquids other than water.
Packing (can also be fed externally). Other voltages and/or frequencies.



MODEL	η max 1450 min⁻¹ Q m³/h	H m	η max 2900 min⁻¹ Q m³/h	H m	FLANGE DIM. DNA	DNM	PUMP DIMENSIONS A	F	H1	H2	SUPPORT DIMENSIONS B	M1	M2	N1	N2	W	BOLT HOLES S1	S2	SHAFT END D	L	X
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
KDN 32-125	13.6	5.8	28	22.8																	
KDN 32-160.1	8.7	8.3	17.5	33					132	160				240	190						
KDN 32-160	15.9	8,6	31	34																	
KDN 32-200.1	8.5	11.4	18	45					160	180											
KDN 32-200	17.7	13.2	35.5	52.5																	
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
KDN 40-160	25.8	9.2	50	37.2					132	160				240	190						
KDN 40-200	29	12.6	57	51			100		160	180				265	212						
KDN 40-250	31	19.1	62	77					180	225	65	125	95	320	250						
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
KDN 50-160	43.3	9.3	87.5	37					160	180				265	212						
KDN 50-200	41	14	81	56						200											
KDN 50-250	49	19.1	100	76					180	225	65	125	95	320	250						
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
KDN 65-160	61	8.6	121	34.5						200											
KDN 65-200	62	14.8	123	59					180	225				320	250						140
KDN 65-250	65.4	20	129	81				470	200	250	80	160	120	360	280	340	M16		32	80	
KDN 65-315	84	31.5	–	–			125		225	280				400	315						
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
KDN 80-200	101	14.4	200	57.5				470		250				345	280	340			32	80	
KDN 80-250	103	23	215	88					200	280	80	160	120	400	315		M16				
KDN 80-315	136	35	–	–					250	315											
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
KDN 100-250	159	21,8	313	87			140		225					400	315						
KDN 100-315	187	34.1	–	–					250	315											
KDN 125-250	289	20.5	–	–	150	125	140	470	250	355	80	160	120	400	315	340	M16	M12	32	80	140
KDN 150-200	378	10	–	–	200	150	160	470	280	400	100	200	150	550	450	340	M20	M12	32	80	140

HYDRAULIC DATA

4 POLES (1450 1/min)



2 POLES (2900 1/min)