

DAB Pump KVE 50

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS WITH INVERTER MCE/P



PRESSURIZATION

Vertical multistage centrifugal pump suitable for medium and high consumption water systems. Particularly versatile thanks to the use of the **MCE/P** inverter, this pump guarantees the automatic adjustment of its performance to the various system requirements, while maintaining constant the differential pressure. Corrosion treated cast iron discharge and suction bodies, motor support and diffuser bodies. Bronze impeller and diffuser in cast iron. Shaft and relative sliding bush in AISI 416 stainless steel. Bronze sliding bush guide, self-lubricated. Mechanical seal in carbon/tungsten carbide. Motor shaft - pump shaft connection with rigid coupling. Two-pole, asynchronous motor closed and cooled by external ventilation. Threaded counter flanges supplied as standard.

Protection rating: IP 55.

Insulation class: F.

Standard voltage:

three-phase 3x400 V / 50 Hz

Operating range:

from 12 to 45 m³/h, with head up to 240 m (2 poles).

Liquid temperature range: from -15°C to 110°C.

Pumped liquid: clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallized and chemically neutral.

Maximum ambient temperature: + 40°C.

Maximum working pressure: 30 bar (3000 kPa).

Installation: fixed, in a vertical position.



MCE/P



KVE 50 WITH MCE/P - FOR PRESSURIZATION SYSTEM

MODEL	CODE	PRICE €	ELECTRICAL DATA			HYDRAULIC DATA														DNA GAS	DNM GAS	H mm	WEIGHT Kg
			VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m ³ /h	10,2	12	13,8	15	18	21	24	27	30	36	42	45				
				kW	HP		Q=l/min	170	200	230	250	300	350	400	450	500	600	700	750				
KVE 50/3 T MCE110/P	60144942		3 x 400 V	9,2	12,5	20,6	H (m)	88,5	80,1	79	78	76,2	73,8	71,4	68,4	65,4	57,3	46,5	39,6	65	50	1127	162
KVE 50/4 T MCE110/P	60144943		3 x 400 V	11	15	27,6		118	106,8	105	104	101,6	98,4	95,2	91,2	87,2	76,4	62	52,8	65	50	1181	190
KVE 50/5 T MCE150/P	60144944		3 x 400 V	14,7	20	31,4		147,5	133,5	131	130	127	123	119	114	109	95,5	77,5	66	65	50	1235	242

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS WITH MCE/C FOR CIRCULATING SYSTEM

PERFORMANCE RANGE

NKM-GE 4 POLES WITH MCE/C

≅ 1450 1/min

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114
	kW	HP		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900
NKM-GE 32-125.1/140/A/BAQE/0.25/4 M MCE11/C	0.25	0.33	H (m)	6.2	5.8	4.2															
NKM-GE 32-125/142/A/BAQE/ 0.37/4 M MCE11/C	0.37	0.5		7	6.75	5.85	4.2														
NKM-GE 32-160.1/169/A/BAQE/0.37/4 M MCE11/C	0.37	0.5		8.9	8.2	4.6															
NKM-GE 32-160/169/A/BAQE/0,55/4 M MCE11/C	0.55	0.75		9.4	9	7.9	5.6														
NKM-GE 32-200.1/200/A/BAQE/0,55/4 M MCE11/C	0.55	0.75		12.7	11.2	7.2															
NKM-GE 32-200/219/A/BAQE/1,1/4 M MCE11/C	1.1	1.5		16	15.4	14.3	12.2														
NKM-GE 40-125/142/A/BAQE/0.55/4 M MCE11/C	0.55	0.75		6.6	6.5	6.2	5.7	4.8													
NKM-GE 40-160/166/A/BAQE/0.75/4 M MCE11/C	0.75	1		9.2	9.2	9	8.4	7.4	5.7												
NKM-GE 40-200/219/A/BAQE/1,5 /4 M MCE15/C	1.5	2		15.6	15.6	15.3	14.7	13.4	11.8	9.8											
NKM-GE 40-250/260/A/BAQE/3/4 T MCE30/C	3	4		23.3	23.1	22.8	22.2	20.8	19												
NKM-GE 50-125/141/A/BAQE/0.75/4 M MCE11/C	0.75	1		6.5		6.3	6.1	5.8	5.5	5	4.5	3.9									
NKM-GE 50-160/177/A/BAQE/1,5/4 M MCE15/C	1.5	2		10.7		10.7	10.7	10.5	10.2	9.8	9.2	8.3									
NKM-GE 50-200/219/A/BAQE/ 3 /4 T MCE30/C	3	4		16.8		16.8	16.5	16.1	15.5	14.6	13.6	12.4	10.9								
NKM-GE 50-250/263/A/BAQE/4/4 T MCE55/C	4	5.5		23.8		23.8	23.8	23.4	22.7	21.6	20.4	19	17.1								
NKM-GE 65-125/144A/BAQE/1.1/4 M MCE11/C	1.1	1.5		6.5		6.4	6.4	6.3	6.2	6	5.75	5.5	5.1	4.65	4.2	3.75					
NKM-GE 65-160/153/A/BAQE/1,1/4 M MCE11/C	1.1	1.5		7.4		7.4	7.3	7.15	6.9	6.65	6.25	5.8	5.3	4.4							
NKM-GE 65-160/177/A/BAQE/2,2/4 M MCE22/C	2.2	3		10.5				10.4	10.3	10.2	9.9	9.6	9.2	8.75	8.2	7.4	6.6				
NKM-GE 65-200/210/A/BAQE/ 3 /4 T MCE30/C	3	4		15.3				15.2	15.2	15.1	14.6	14.1	13.5	12.9	12.2	11.3					
NKM-GE 65-200/219/A/BAQE/ 4/4 T MCE55/C	4	5.5		17				17	16.9	16.8	16.4	16.2	15.8	15.2	14.3	13.8	12.6				
NKM-GE 65-250/263/A/BAQE/5,5/4 T MCE55/C	5.5	7.5		24.1				23.8	23.6	23.3	22.8	22.3	21.5	20.8	19.7	18.6	17.3				
NKM-GE 65-315/309/A/BAQE/11/4 T MCE110/C	11	15		34.2							33.2	33	32.5	32	31.5	30.7	29.8	29	28	25	21.7

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
	kW	HP		0	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
NKM-GE 80-160/163/A/BAQE/2,2/4 M MCE22/C	2.2	3	H (m)	8.65	8.5	8.45	8.3	8.15	7.9	7.7	7.4	7.2	6.9	6.65	6.3	5.7	4.9	4.6										
NKM-GE 80-160/177/A/BAQE/3/4 T MCE30/C	3	4		10.2	10.2	10.1	10	9.9	9.75	9.65	9.5	9.25	9	8.8	8.6	7.9	7.2	6.7										
NKM-GE 80-200/222/A/BAQE/5,5/4 T MCE55/C	5.5	7.5		16.6			16.5	16.5	16.4	16.2	16.1	16	15.7	15.4	15	14.3	13.3	12.7										
NKM-GE 80-250/270/A/BAQE/11/4 T MCE110/C	11	15		25.6			25.5	25.5	25.4	25.1	25	24.8	24.6	24.2	24	23	21.5	21										
NKM-GE 80-315/305/A/BAQE/15/4 T MCE150/C	15	20		32.9					32.7	32.6	32.6	32.5	32.4	32	31.6	30.5	29.5	28.9	24									
NKM-GE 100-200/200/A/BAQE/5.5/4 T MCE55/C	5.5	7.5		12.7						12.6	12.6	12.5	12.5	12.4	12.3	12	11.5	11.4	10.1	8.5								
NKM-GE 100-200/214A/BAQE/7.5/4 T MCE110/C	7.5	10		15.6						15.4	15.4	15.3	15.2	15.1	15	14.7	14.5	14.3	13.3	11.6	9.8							
NKM-GE 100-250/250/A/BAQE/11/4 T MCE110/C	11	15		21.1						21	21	21	21	21	21	20.9	20	19.8	18	16								
NKM-GE 100-250/270/A/BAQE/15/4 T MCE150/C	15	20		25.5						25.5	25.5	25.5	25.3	25.1	25.1	25	24.5	24	22.5	20.5	17.5							
NKM-GE 125-250/243/A/BAQE/15/4 T MCE150/C	15	20		19.5												19.3	19.3	19.2	19.2	18.7	17.8	16.8	15.5	14.1	12.5	10.9		
NKM-GE 150-200/218/A/BAQE/11/4 T MCE110/C	11	15		13.2												13.1	13	13	12.8	12.5	12.1	11.5	11	10.4	9.7	9	8	7

ENBLOC CENTRIFUGAL PUMPS WITH INVERTER FOR CIRCULATING SYSTEM

PERFORMANCE RANGE

NKP-GE 2 POLES WITH MCE/C

≈ 2900 1/min

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210
	kW	HP		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500
NKP-GE 32-125.1/115/A/BAQE/1.1/2 M MCE11/C	1.1	1.5	H (mt)	17.2	17	15	12.5																		
NKP-GE 32-125.1/125/A/BAQE/1.5/2 M MCE15/C	1.5	2		21	20.8	19	16.8																		
NKP-GE 32-125.1/140/A/BAQE/2.2/2 M MCE22/C	2.2	3		27	26.9	25.9	23	19.5																	
NKP-GE 32-125/110/A/BAQE/1.1/2 M MCE11/C	1.1	1.5		15.8	15.2	14.5	12.9	9.9																	
NKP-GE 32-125/120/A/BAQE/1.5/2 M MCE15/C	1.5	2		19.3	18.9	18.2	16.8	14.5																	
NKP-GE 32-125/130/A/BAQE/2.2/2 M MCE22/C	2.2	3		23.6	23.1	23	21.6	19.6	16.8																
NKP-GE 32-125/142/A/BAQE/3/2 T MCE30/C	3	4		28.6	28	27.6	26.5	24.6	21.8	17.9															
NKP-GE 32-160.1/166/A/BAQE/3/2 T MCE30/C	3	4		35.3	35	33	28																		
NKP-GE 32-160/151/A/BAQE/3/2 T MCE30/C	3	4		30.5	30	29	27	24	19.5																
NKP-GE 32-160/177/A/BAQE/5.5/2 T MCE55/C	5.5	7.5		43.5	43.2	42.6	41.5	39	36	31.5	25.5														
NKP-GE 32-200.1/205/A/BAQE/5.5/2 T MCE55/C	5.5	7.5		56.6	55.7	52	45.8	36.2																	
NKP-GE 32-200/190/A/BAQE/5.5/2 T MCE55/C	5.5	7.5		46.9	46.5	45	43	40	35	29															
NKP-GE 32-200/210/A/BAQE/7.5/2 T MCE110/C	7.5	10		58.8	58	57	56	53	49	44															
NKP-GE 40-125/107/A/BAQE/1.5/2 M MCE15/C	1.5	2		14.7	14.5	14.3	13.8	13	11.8	10.5	8.6	7													
NKP-GE 40-125/120/A/BAQE/2.2/2 M MCE22/C	2.2	3		19	18.7	18.4	17.8	17	15.9	14.6	13	11													
NKP-GE 40-125/130/A/BAQE/3/2 T MCE30/C	3	4		22.8	22.5	22.3	22	21.2	20.2	19	17.4	15.5	13.5												
NKP-GE 40-125/139/A/BAQE/4/2 T MCE55/C	4	5.5		26.4	26.2	26	25.6	25	24	23	21.5	19.5	17.5	15											
NKP-GE 40-160/158/A/BAQE/5.5/2 T MCE55/C	5.5	7.5		33.7			34	33.4	32.4	31	29.5	27	24												
NKP-GE 40-160/172/A/BAQE/7.5/2 T MCE110/C	7.5	10		40.7			40.2	40.1	39.8	38.5	37.5	35.5	33	30	26.5										
NKP-GE 40-200/210/A/BAQE/11/2 T MCE110/C	11	15		57.1	57	57	56.8	56.5	56	55	53	50	47	43.5	39										
NKP-GE 40-250/230/A/BAQE/15/2 T MCE150/C	15	20		72.5			72.5	72	70	68	66	62.5	60	56	51.5										
NKP-GE 50-125/115/A/BAQE/3/2 T MCE30/C	3	4		17				16.5	16	15.5	15	14.5	13.7	13	12	11	10	9							
NKP-GE 50-125/135/A/BAQE/5.5/2 T MCE55/C	5.5	7.5		24				23.6	23.5	23.2	22.8	22.2	21.5	21	20	19.1	18.5	17.5	16.5	13.4					
NKP-GE 50-125/144/A/BAQE/7.5/2 T MCE110/C	7.5	10		28				27.8	27.5	27.3	27	26.5	25.8	25.3	24.5	23.5	23	21.5	20.5	18	15.5				
NKP-GE 50-160/169/A/BAQE/11/2 T MCE110/C	11	15		39.6					39.5	39.3	39.1	39	38.5	38	37.2	36.5	35	34	32.5						
NKP-GE 50-200/200/A/BAQE/15/2 T MCE150/C	15	20		55.1					54.7	54.6	54	53.5	52	51	49	47.5	45.5	43	41						
NKP-GE 65-125/127/A/BAQE/5.5/2 T MCE55/C	5.5	7.5		19.5					19	18.9	18.7	18.4	18.1	17.5	17.2	16.9	16.5	15.8	14.5	13	12				
NKP-GE 65-125/137/A/BAQE/7.5/2 T MCE110/C	7.5	10		23.5					23.1	23	22.8	22.6	22.5	22	21.6	21.1	20.7	20.2	19	17.5	14.8	12			
NKP-GE 65-160/157/A/BAQE/11/2 T MCE110/C	11	15		32.5							32.3	32	31.9	31.3	30.2	30	29.2	28.7	27	24.8	23.6				
NKP-GE 65-160/173/A/BAQE/15/2 T MCE150/C	15	20		40.1							39.7	39.6	39.5	39.5	39	38.5	38.2	37.5	36	34.5	33.5	26.9			
NKP-GE 80-160/147-127/A/BAQE/11/2 T MCE110/C	11	15		24														22	21.4	20.4	20	17.4	16.8	12	
NKP-GE 80-160/153/A/BAQE/15/2 T MCE150/C	15	20		30.5														29	28.4	27.5	27	24.5	21.3	18.3	