



## 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. All parts in contact with liquid are stainless. Pump body interior in AISI 304 stainless steel and ULTEM, impellers, jacket in AISI 304 stainless steel. Pump body exterior in cast iron with electrophoresis treatment, spider in cast iron. "Cartridge" type maintenance-free Silicon/Silicon mechanical seal. Motor-pump connection with rigid coupling.

**Protection rating:** IP 55.

**Insulation class:** F.

**Standard voltage:**

single-phase 1x220-240 V / 50/60 Hz

three-phase 3x400 V / 50 Hz

**Operating range:**

from 4 to 29 m<sup>3</sup>/h with head up to 244 meters.

**Pumped liquid:** clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to the properties of water.

**Liquid temperature range:** from -15°C to +120°C.

**Maximum ambient temperature:** +40°C.

**Maximum working pressure:** 25 bar (2500kPa).

**Installation:** fixed, in a vertical position.

MCE/P PAG. 3

ACCESSORIES PAG. 203

## NKVE 10 WITH MCE/P - FOR PRESSURIZATION SYSTEM

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA					DNA	DNM	H mm	WEIGHT Kg	
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m <sup>3</sup> /h	0	4	8	10					12
			kW	HP											
NKVE 10/2 M MCE11/P	60144900	1 x 230V ~	0,75	1	7,17	H (m)	20,2	20	18,3	15,8	12,5	DN 40	DN 40	623,2	47,8
NKVE 10/3 M MCE11/P	60144901	1 x 230V ~	1,1	1,5	9,92		30,3	31	27,5	23,6	18,8	DN 40	DN 40	656,2	49,3
NKVE 10/4 M MCE11/P	60144902	1 x 230V ~	1,5	2	12,74		40,4	41	36,7	31,5	25,1	DN 40	DN 40	704,2	54,2
NKVE 10/5 M MCE15/P	60144903	1 x 230V ~	2,2	3	15,30		50,5	51	45,8	39,4	31,3	DN 40	DN 40	762,2	59,0
NKVE 10/6 M MCE15/P	60144904	1 x 230V ~	2,2	3	17,51		60,5	61	55,0	47,3	37,6	DN 40	DN 40	795,2	59,9
NKVE 10/7 T MCE30/P	60144905	3 x 400 V ~	3,0	4	6,06		70,6	72	64,2	55,1	43,8	DN 40	DN 40	875,2	73,3
NKVE 10/8 T MCE30/P	60144906	3 x 400 V ~	3,0	4	6,54		80,7	82	73,3	63,0	50,1	DN 40	DN 40	908,2	74,2
NKVE 10/9 T MCE30/P	60144907	3 x 400 V ~	3,0	4	7,13		90,8	92	82,5	70,9	56,4	DN 40	DN 40	941,2	75,1
NKVE 10/10 T MCE30/P	60144908	3 x 400 V ~	4,0	5,5	8,66		100,9	102	91,7	78,8	62,6	DN 40	DN 40	989,2	84,9
NKVE 10/12 T MCE55/P	60144909	3 x 400 V ~	4,0	5,5	10,08		121,1	123	110,0	94,5	75,2	DN 40	DN 40	1055,2	86,5
NKVE 10/14 T MCE55/P	60144910	3 x 400 V ~	5,5	7,5	11,78		141,3	143	128,3	110,3	87,7	DN 40	DN 40	1250,6	115,1
NKVE 10/16 T MCE55/P	60144911	3 x 400 V ~	5,5	7,5	13,17		161,5	164	146,7	126,0	100,2	DN 40	DN 40	1316,6	116,8
NKVE 10/18 T MCE55/P	60144912	3 x 400 V ~	7,5	10	14,72		181,6	184	165,0	141,8	112,7	DN 40	DN 40	1382,6	129,6
NKVE 10/20 T MCE55/P	60144913	3 x 400 V ~	7,5	10	16,05		201,8	205	183,3	157,5	125,3	DN 40	DN 40	1448,6	131,2
NKVE 10/22 T MCE110/P	60144914	3 x 400 V ~	7,5	10	17,29		222	225	202	173,3	137,8	DN 40	DN 40	1514,6	132,9



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**Protection rating:** IP 55.

**Insulation class:** F.

**Standard voltage:** three-phase 3x400 V / 50 Hz

**Operating range:**

from 4 to 29 m<sup>3</sup>/h with head up to 244 meters.

**Pumped liquid:** clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to the properties of water.

**Liquid temperature range:** from -15°C to +120°C.

**Maximum ambient temperature:** +40°C.

**Maximum working pressure:**

25 bar (2500kPa) NKV 65-95

32 bar (3200kPa) NKV 32-45

**Installation:** fixed, in a vertical position..

**version on request:** 60 Hz.

ACCESSORIES PAG. 203

**NKVE 32 WITH MCE/P**

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m <sup>3</sup> /h	0	15	18	22	25	30	35	40	45				
			kW	HP		Q=l/min	0	250	300	367	417	500	583	667	750				
NKVE 32/2 T MCE 55/P	60165361	3 x 400 V ~	5,5	7,5	13,1	H (m)	48,5	43,5	42,5	41	39,5	36,5	33,5	29	23,5	DN 65	DN 65	630	148
NKVE 32/3-2 T MCE 55/P	60165362	3 x 400 V ~	5,5	7,5	13,1		60	54,5	53	50,5	48	44	38	31,5	23,5	DN 65	DN 65	630	152
NKVE 32/3 T MCE 110/P	60165363	3 x 400 V ~	7,5	10	17,6		73	65	63,5	61	59	55	50	43,5	35,5	DN 65	DN 65	630	163
NKVE 32/4 T MCE 110/P	60165365	3 x 400 V ~	11	15	25,5		98	88	86	83	80,5	75	69	60	49,5	DN 65	DN 65	630	218
NKVE 32/5-2 T MCE 110/P	60165367	3 x 400 V ~	11	15	25,5		109,5	99,5	97	93	89,5	83	74	63	49,5	DN 65	DN 65	630	222
NKVE 32/5 T MCE 150/P	60165368	3 x 400 V ~	15	20	34		122,5	109,5	107	103,5	100	93,5	85,5	75	61,5	DN 65	DN 65	630	236
NKVE 32/6 T MCE 150/P	60165369	3 x 400 V ~	15	20	34		146,5	131	128	123,5	119,5	111,5	102	89	73	DN 65	DN 65	750	240
NKVE 32/7-2 T MCE 150/P	60165370	3 x 400 V ~	15	20	34		158	142,5	139	133,5	128,5	119	107	91,5	72,5	DN 65	DN 65	750	244

**NKVE 45 WITH MCE/P**

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA													DNA	DNM	H mm	KG	
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m <sup>3</sup> /h	0	15	18	22	25	30	35	40	45	54	60	65					70
			kW	HP		Q=l/min	0	250	300	367	417	500	583	667	750	900	1000	1083					1166
NKVE 45/2-2 T MCE 55/P	60165371	3 x 400 V ~	5,5	7,5	13,1	H (m)	38,5	37,5	37	36,5	35,5	34,5	33	31	28,5	23	18,5	14,5	10	DN 80	DN 80	630	154
NKVE 45/2 T MCE 110/P	60165372	3 x 400 V ~	7,5	10	17,6		48,5	47,5	47	46	45,5	44	43	41,5	39	34	30,5	26,5	23	DN 80	DN 80	630	165
NKVE 45/3 T MCE 110/P	60165373	3 x 400 V ~	11	15	25,5		73,5	72	71	70	69	67	65,5	63	60	52,5	47	41	34	DN 80	DN 80	630	220
NKVE 45/4 T MCE 150/P	60165375	3 x 400 V ~	15	20	34		97,5	96	94,5	93	91,5	89	86,5	84	79,5	69,5	62	54,5	45	DN 80	DN 80	630	238

**NKVE 65 WITH MCE/P**

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA													DNA	DNM	H mm	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	30	36	42	45	54	60	72	78	85						
			kW	HP		Q=l/min	0	500	600	700	750	900	1000	1200	1300	1417						
NKVE 65/2-2 T MCE 110/P	60168544	3 x 400 V ~	7,5	10	17,6	H (m)	39	37,5	36,5	35,5	35	33	31	25	22	17,5	DN 100	DN 100	1485	120		
NKVE 65/2 T MCE 110/P	60168545	3 x 400 V ~	11	15	25,5		56,5	51	49,5	48,5	48	46	45	41	38,5	34,5	DN 100	DN 100	1620	190		
NKVE 65/3-2 T MCE 150/P	60168546	3 x 400 V ~	15	20	34		67,5	63,5	62	60,5	59,5	56,5	54	46,5	42	35,5	DN 100	DN 100	1712	210		

**NKVE 95 WITH MCE/P**

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA													DNA	DNM	H mm	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	45	54	60	72	78	85	96	108	118						
			kW	HP		Q=l/min	0	750	900	1000	1200	1300	1417	1600	1800	1967						
NKVE 95/2-2 T MCE 110/P	60168547	3 x 400 V ~	11	15	25,5	H (m)	44,5	43	42	41	38,5	36,5	34	28,5	21,5	15	DN 100	DN 100	1620	221		
NKVE 95/2 T MCE 150/P	60168548	3 x 400 V ~	15	20	34		62	55,5	53	51,5	49	47,5	45	41	35	28,5	DN 100	DN 100	1620	235		