

# NKV 32-45-65-95

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS



## NEW MODELS



DAB's NKV 32, 45, 65, 95 pumps are multi-impeller vertical centrifugal pumps with coupling; designed for pressurisation in civil and commercial environments, they can also be used in agriculture, for the distribution of liquids and in watering systems.

The pumps can be used for the recirculation of water in heating and air conditioning systems.

Pump body and upper flange in cathaphoretic paint coated cast iron; impellers, diffusers and pump liner made of AISI 304 stainless steel (AISI 316 stainless steel available on request - X version).

They are particularly versatile, thanks to the centre distance between the 2 in-line ports, designed to maximise interchangeability. Starting from 5.5 kW models, the silicon carbide-graphite mechanical seal can be removed without removing the motor.

Mechanical seals for aggressive liquids and different connections (round, oval, Victaulic, clamp flanges) available on request.

All the AISI 316 stainless steel - X version - models are certified for use with drinking water (WRAS and ACS certified).

Rigid coupling to IE3 high energy efficiency electric motors.

### Operating range

1 m<sup>3</sup>/h to 120 m<sup>3</sup>/h with head up to 320 m

**Pumped liquid** Clean, free of solids and abrasives, non-viscous, non-aggressive, non-crystallised and chemically neutral

**Maximum glycol content** 30%

### Supported liquid temperature

-30 °C to +120 °C (EPDM)

-15 °C to +120 °C (Viton/FKM)

**Maximum ambient temperature** +50° C

### Maximum operating pressure bar / kPa

NKV 65, 95: 25 bar / 2500 kPa

NKV 32, 45: 32 bar / 3200 kPa

**Motor protection class** IP 55

**Motor insulation class** F

### Impeller/s material

AISI 304 stainless steel

AISI 316 for NKV X only on request

### Single-phase power supply

Contact our sales network

### Three phase power input

220 - 240 / 380 - 415 V at 50 Hz, up to 2.2 kW

380 - 415 V at 50 Hz, 3 kW

### Special versions on request

Yes, available with different types of mechanical seals for aggressive liquids and connections (round, oval, Victaulic, clamp flanges), **with parts in contact with the liquid in AISI 316 stainless steel (X versions)**, other voltages and frequencies, ATEX version.



IE3 ≥ 0,75 kW

ACCESSORIES  
PAG. 205

	NKV	32	/	13	-	2	X	300	E1	IE3
NOMINAL FLOW RATE (m <sup>3</sup> /h)										
NUMBER OF STAGES/IMPELLERS										
NUMBER AND TYPE OF TURNED IMPELLER										
MATERIALS*: " " = CAST IRON/AISI 304; X = AISI 316										
MOTOR POWER P2 KW X 10 (300 = 30KW)										
<b>Type of mechanical seal (E1=STANDARD)</b>										
E1=BQGE=Carbon/Silicon carbide/AISI 316/EPDM STD										
E2=QQGE=Silicon Carbide/Silicon Carbide/AISI 316/EPDM										
V3=QQGV=Silicon Carbide/Silicon Carbide/AISI 316/FKM-Viton										
V4=BQGV= Carbon/Silicon carbide /AISI 316/ FKM-Viton										
E5=UUGE=Tungsten carbide/Tungsten carbide/AISI 316/EPDM										
Motor efficiency										
*MATERIALS:										
"X" version with pump body/impellers/diffusers in AISI 316 stainless steel										
" " standard version with pump body in cast iron and impellers in AISI 304 stainless steel (for NKV 32-45-65-95)										

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## NKV 65

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA												DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz		P2 NOMINAL		In A	Q=m³/h	0	30	42	45	54	60	72	78	85						
		kW	HP	Q=l/min	0		500	700	750	900	1000	1200	1300	1417								
NKV 65/2-2 T	60168471	3 x 380-415Δ	7,5	10,0	14,4	H (m)	39,0	37,5	35,5	35,0	33,0	31	25,0	22,0	17,5	100	100	1266	365	84		
NKV 65/2 T	60168472	3 x 380-415Δ	11,0	15,0	19,7		56,5	51,0	48,5	48,0	46,0	45,0	41,0	38,5	34,5	100	100	1354	365	155		
NKV 65/3-2 T	60168473	3 x 380-415Δ	15,0	20,0	26,7		67,5	63,5	60,5	59,5	56,5	54,0	46,5	42,0	35,5	100	100	1446	365	171		
NKV 65/3 T	60168474	3 x 380-415Δ	18,5	25,0	33		84,5	76,0	72,5	71,5	69,0	67,0	61,5	57,5	51,5	100	100	1490	365	213		
NKV 65/4-2 T	60168475	3 x 380-415Δ	18,5	25,0	33		95,5	88,5	84,0	83,0	79,0	75,5	66,0	60,5	52,0	100	100	1582	365	213		
NKV 65/4 T	60168476	3 x 380-415Δ	22,0	30,0	38,1		113,5	102,5	97,5	96,5	92,5	90,5	83,0	78,0	70,0	100	100	1613	365	255		
NKV 65/5-2 T	60168477	3 x 380-415Δ	30,0	40,0	52,1		125,0	116,0	110,5	109,0	104,5	101,0	90,0	83,0	72,5	100	100	1801	365	471		
NKV 65/5 T	60168478	3 x 380-415Δ	30,0	40,0	52,1		142,0	129,0	122,5	121,0	116,5	114,0	105,0	98,5	88,5	100	100	1801	365	471		
NKV 65/6-2 T	60168479	3 x 380-415Δ	30,0	40,0	52,1		153,0	141,5	134,5	133,0	127,5	123,0	110,0	102,0	89,5	100	100	1893	365	471		
NKV 65/6 T	60168480	3 x 380-415Δ	37,0	50,0	62,6		170,0	154,0	147,0	145,0	139,5	136,0	125,0	117,5	105,5	100	100	1893	365	517		
NKV 65/7-2 T	60168481	3 x 380-415Δ	37,0	50,0	62,6		181,5	166,5	158,5	156,5	150,0	145,0	130,5	120,5	106,5	100	100	1985	365	517		
NKV 65/7 T	60168482	3 x 380-415Δ	45,0	60,0	78,4		199,0	180,5	172,0	169,5	163,5	159,5	147,0	138,0	124,0	100	100	2025	365	653		
NKV 65/8-2 T	60168483	3 x 380-415Δ	45,0	60,0	78,4		210,0	193,0	184,0	181,5	174,0	168,5	152,0	141,5	125,0	100	100	2117	365	653		
NKV 65/8 T	60168484	3 x 380-415Δ	45,0	60,0	78,4		227,0	206,0	196,0	193,5	186,0	181,5	167,0	157,0	141,0	100	100	2117	365	653		

## NKV 95

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA												DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz		P2 NOMINAL		In A	Q=m³/h	0	45	60	72	78	85	96	108	118						
		kW	HP	Q=l/min	0		750	1000	1200	1300	1417	1600	1800	1967								
NKV 95/2-2 T	60168485	3 x 380-415Δ	11,0	15,0	19,7	H (m)	44,5	43,0	41,0	38,5	36,5	34	28,5	21,5	15,0	100	100	1354	380	186		
NKV 95/2 T	60168486	3 x 380-415Δ	15,0	20,0	26,7		62,0	55,5	51,5	49,0	47,5	45,0	41,0	35,0	28,5	100	100	1354	380	196		
NKV 95/3-2 T	60168487	3 x 380-415Δ	18,5	25,0	33		75,5	70,5	66,5	62,5	59,5	56,0	48,5	38,5	28,5	100	100	1490	380	217		
NKV 95/3 T	60168488	3 x 380-415Δ	22,0	30,0	38,1		93,5	84,0	78,0	74,0	72,0	69,0	62,5	53,5	44,0	100	100	1521	380	238		
NKV 95/4-2 T	60168489	3 x 380-415Δ	30,0	40,0	52,1		108,0	100,0	94,5	89,0	85,5	81,0	71,5	59,0	46,0	100	100	1708	380	343		
NKV 95/4 T	60168490	3 x 380-415Δ	30,0	40,0	52,1		125,5	112,5	105,0	99,5	96,5	92,5	84,0	72,0	60,0	100	100	1708	380	343		
NKV 95/5-2 T	60168491	3 x 380-415Δ	37,0	50,0	62,6		139,0	127,5	120,0	113,5	109,0	103,5	92,0	76,0	60,0	100	100	1801	380	379		
NKV 95/5 T	60168492	3 x 380-415Δ	37,0	50,0	62,6		156,0	140,0	130,5	123,5	120,0	114,5	104,5	89,0	74,0	100	100	1801	380	379		
NKV 95/6-2 T	60168493	3 x 380-415Δ	45,0	60,0	78,4		170,5	156,0	146,5	138,5	134,0	127,0	113,5	94,5	75,5	100	100	1933	380	455		
NKV 95/6 T	60168494	3 x 380-415Δ	45,0	60,0	78,4		188,0	169,0	157,0	149,0	144,5	138,5	126,0	108,0	89,5	100	100	1933	380	455		

## SPECIAL VERSION

MODEL
NKV 32 - 45 - 65 - 95

### VERSION WITH SPECIAL MECHANICAL SEALS

- <sup>(1)</sup> Ten. Mecc. SPECIALE tipo E2 = SIC - SIC - EPDM = Carbuoro Silicio/Carbuoro Silicio/AISI 316/EPDM
- <sup>(2)</sup> Ten. Mecc. SPECIALE tipo V3 = SIC - SIC - VITON = Carbuoro Silicio/Carbuoro Silicio/AISI 316/FKM
- <sup>(3)</sup> Ten. Mecc. SPECIALE tipo V4 = SIC - CAR - VITON = Carbuoro Silicio/Carbone/AISI 316/FKM
- <sup>(4)</sup> Ten. Mecc. SPECIALE tipo E5 = WC - WC - EPDM = Carbuoro Tungsteno/Carbuoro Tungsteno/AISI 316/EPDM





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سرمايش و گرمایش موتورخانه  
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سیستم‌های پمپاژ

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