

# 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 32

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	15	18	22	25	30	35	40	45								
			KW	HP		Q=l/min	0	250	300	367	417	500	583	667	750								
NKV 32/2-2 T	60180195	3 x 380-415Δ	4,0	5,5	8	H (m)	36,0	33,5	32,5	30,5	29,5	27	22,5	18,0	12,5	65	65	947	320	93			
NKV 32/2 T	60180196	3 x 380-415Δ	5,5	7,5	10,2		48,5	43,5	42,5	41,0	39,5	36,5	33,5	29,0	23,5	65	65	1114	320	140			
NKV 32/3-2 T	60180197	3 x 380-415Δ	5,5	7,5	10,2		60,0	54,5	53,0	50,5	48,0	44,0	38,0	31,5	23,5	65	65	1196	320	144			
NKV 32/3 T	60167525	3 x 380-415Δ	7,5	10,0	14,4		73,0	65,0	63,5	61,0	59,0	55,0	50,0	43,5	35,5	65	65	1243	320	125			
NKV 32/4-2 T	60167526	3 x 380-415Δ	7,5	10,0	14,4		84,5	76,5	74,0	70,5	68,0	62,0	55,0	46,0	35,0	65	65	1325	320	132			
NKV 32/4 T	60167527	3 x 380-415Δ	11,0	15,0	19,7		98,0	88,0	86,0	83,0	80,5	75,0	69,0	60,0	49,5	65	65	1345	320	203			
NKV 32/5-2 T	60167528	3 x 380-415Δ	11,0	15,0	19,7		109,5	99,5	97,0	93,0	89,5	83,0	74,0	63,0	49,5	65	65	1427	320	207			
NKV 32/5 T	60167529	3 x 380-415Δ	15,0	20,0	26,7		122,5	109,5	107,0	103,5	100,0	93,5	85,5	75,0	61,5	65	65	1495	320	214			
NKV 32/6-2 T	60167530	3 x 380-415Δ	15,0	20,0	26,7		134,0	121,5	118,5	113,5	109,5	101,5	91,0	78,0	61,5	65	65	1577	320	218			
NKV 32/6 T	60167531	3 x 380-415Δ	15,0	20,0	26,7		146,5	131,0	128,0	123,5	119,5	111,5	102,0	89,0	73,0	65	65	1577	320	218			
NKV 32/7-2 T	60167532	3 x 380-415Δ	15,0	20,0	26,7		158,0	142,5	139,0	133,5	128,5	119,0	107,0	91,5	72,5	65	65	1659	320	222			
NKV 32/7 T	60167533	3 x 380-415Δ	18,5	25,0	33		171,0	152,5	149,0	144,0	139,5	130,0	119,0	103,5	85,0	65	65	1703	320	243			
NKV 32/8-2 T	60167534	3 x 380-415Δ	18,5	25,0	33		182,5	164,5	160,0	154,0	148,5	137,5	124,0	106,0	84,5	65	65	1785	320	247			
NKV 32/8 T	60167535	3 x 380-415Δ	18,5	25,0	33		194,5	174,0	169,5	164,0	158,5	147,5	134,5	117,0	95,5	65	65	1785	320	247			
NKV 32/9-2 T	60167536	3 x 380-415Δ	22,0	30,0	38,1		208,5	188,5	184,0	177,0	171,0	159,0	144,0	124,5	100,5	65	65	1898	320	283			
NKV 32/9 T	60167537	3 x 380-415Δ	22,0	30,0	38,1		221,0	198,0	194,0	187,5	181,5	169,5	155,5	136,0	112,0	65	65	1898	320	283			
NKV 32/10-2 T	60167538	3 x 380-415Δ	22,0	30,0	38,1		233,0	210,0	205,0	197,5	191,0	177,5	161,0	139,0	112,0	65	65	1980	320	290			
NKV 32/10 T	60167539	3 x 380-415Δ	30,0	40,0	52,1		246,5	221,5	217,0	210,0	203,5	190,5	175,0	153,5	126,5	65	65	2075	320	363			
NKV 32/11-2 T	60167540	3 x 380-415Δ	30,0	40,0	52,1		258,0	233,5	228,5	220,5	213,0	198,5	180,5	156,5	127,0	65	65	2157	320	367			
NKV 32/11 T	60167541	3 x 380-415Δ	30,0	40,0	52,1		271,0	243,5	238,0	230,5	223,5	209,0	192,0	168,0	138,5	65	65	2157	320	367			
NKV 32/12-2 T	60167542	3 x 380-415Δ	30,0	40,0	52,1	282,5	255,5	249,5	241,0	233,0	217,0	197,5	171,0	139,0	65	65	2239	320	371				
NKV 32/12 T	60167543	3 x 380-415Δ	30,0	40,0	52,1	295,0	265,5	259,5	251,0	243,0	227,5	208,5	182,5	150,5	65	65	2239	320	371				
NKV 32/13-2 T	60167544	3 x 380-415Δ	30,0	40,0	52,1	307,0	277,5	271,0	261,5	252,5	235,5	214,0	185,5	151,0	65	65	2321	320	375				
NKV 32/13 T	60167545	3 x 380-415Δ	30,0	40,0	52,1	319,5	287,0	280,5	271,5	263,0	246,0	225,5	197,0	162,5	65	65	2321	320	375				

CENTRIFUGAL PUMPS

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