

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 m³/h to 120 m³/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 ³ /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)									
Type of mechanical seal (E1=STANDARD)									
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 45

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	18	25	30	40	54	60	65	70						
			kW	HP		Q=l/min	0	300	417	500	667	900	1000	1083	1166						
NKV 45/2-2 T	60180198	3 x 380-415Δ	5,5	7,5	10,2	H (m)	38,5	37,0	35,5	34,5	31,0	23	18,5	14,5	10,0	80	80	1149	365	146	
NKV 45/2 T	60167546	3 x 380-415Δ	7,5	10,0	14,4		48,5	47,0	45,5	44,0	41,5	34,0	30,5	26,5	23,0	80	80	1196	365	127	
NKV 45/3-2 T	60167547	3 x 380-415Δ	11,0	15,0	19,7		63,0	61,5	59,5	58,0	53,5	42,0	36,0	30,0	24,0	80	80	1298	365	205	
NKV 45/3 T	60167548	3 x 380-415Δ	11,0	15,0	19,7		73,5	71,0	69,0	67,0	63,0	52,5	47,0	41,0	34,0	80	80	1298	365	205	
NKV 45/4-2 T	60167549	3 x 380-415Δ	15,0	20,0	26,7		87,5	85,0	82,0	80,0	74,0	59,5	51,0	43,0	34,0	80	80	1448	365	216	
NKV 45/4 T	60167550	3 x 380-415Δ	15,0	20,0	26,7		97,5	94,5	91,5	89,0	84,0	69,5	62,0	54,5	45,0	80	80	1448	365	216	
NKV 45/5-2 T	60167551	3 x 380-415Δ	18,5	25,0	33		112,0	108,5	105,0	102,0	94,5	76,5	66,0	56,0	45,0	80	80	1574	365	241	
NKV 45/5 T	60167552	3 x 380-415Δ	18,5	25,0	33		122,0	118,0	114,0	111,0	104,5	86,5	77,0	67,5	56,0	80	80	1574	365	241	
NKV 45/6-2 T	60167553	3 x 380-415Δ	22,0	30,0	38,1		137,5	133,5	129,0	126,0	117,5	95,5	83,5	72,0	58,0	80	80	1687	365	276	
NKV 45/6 T	60167554	3 x 380-415Δ	22,0	30,0	38,1		147,5	143,5	138,5	135,0	127,0	106,0	95,0	83,5	71,0	80	80	1687	365	276	
NKV 45/7-2 T	60167555	3 x 380-415Δ	30,0	40,0	52,1		162,5	158,0	153,0	149,5	139,5	115,0	101,0	87,5	73,0	80	80	1864	365	356	
NKV 45/7 T	60167556	3 x 380-415Δ	30,0	40,0	52,1		172,5	168,0	162,5	158,5	149,5	125,5	112,0	99,0	83,0	80	80	1864	365	356	
NKV 45/8-2 T	60167557	3 x 380-415Δ	30,0	40,0	52,1		187,0	182,0	176,0	171,5	160,5	132,0	116,5	101,0	83,0	80	80	1946	365	360	
NKV 45/8 T	60167558	3 x 380-415Δ	30,0	40,0	52,1		197,0	191,5	185,5	181,0	170,5	142,5	127,5	112,5	94,0	80	80	1946	365	360	
NKV 45/9-2 T	60167559	3 x 380-415Δ	37,0	50,0	62,6		211,5	205,5	199,0	194,0	181,5	149,5	132,0	114,5	94,0	80	80	2028	365	384	
NKV 45/9 T	60167560	3 x 380-415Δ	37,0	50,0	62,6		221,5	215,5	208,0	203,0	191,5	160,0	143,0	126,0	106,0	80	80	2028	365	384	
NKV 45/10-2 T	60167561	3 x 380-415Δ	37,0	50,0	62,6		235,5	229,0	221,5	216,0	202,0	166,5	147,0	127,5	106,0	80	80	2110	365	388	
NKV 45/10 T	60167562	3 x 380-415Δ	37,0	50,0	62,6		246,0	239,0	230,5	225,0	212,0	177,0	158,0	139,0	117,0	80	80	2110	365	388	
NKV 45/11-2 T	60167563	3 x 380-415Δ	45,0	60,0	78,4		261,0	254,0	245,5	239,5	224,5	186,0	164,5	143,5	119,0	80	80	2232	365	449	
NKV 45/11 T	60167564	3 x 380-415Δ	45,0	60,0	78,4		271,0	263,5	255,0	249,0	234,5	196,5	175,5	155,0	130,0	80	80	2232	365	449	
NKV 45/12-2 T	60167565	3 x 380-415Δ	45,0	60,0	78,4		285,5	277,5	268,5	261,5	245,5	203,0	179,5	156,5	130,0	80	80	2314	365	453	
NKV 45/12 T	60167566	3 x 380-415Δ	45,0	60,0	78,4		295,5	287,5	277,5	271,0	255,5	213,5	191,0	168,5	142,0	80	80	2314	365	453	
NKV 45/13-2 T	60167567	3 x 380-415Δ	45,0	60,0	78,4		309,5	301,0	291,0	284,0	266,0	220,5	195,0	170,0	142,0	80	80	2396	365	457	

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