

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 cathophoretic 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 32-45-65-95

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS



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

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



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سیستم‌های پمپاژ

تهران، سعدی شمالی، خیابان مرادی نور، پلاک ۳۱

تلفن: ۰۲۱-۷۷۶۸۶۹۶۶ فکس: ۰۲۱-۷۷۶۷۸۶۵۹

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