

NEW RANGE

# NKV

## VERTICAL MULTISTAGE PUMPS



**DAB**<sup>®</sup>  
WATER • TECHNOLOGY

**NKV**

**NEW RANGE**



## With the new NKV range, DAB delivers a series of technological innovations to offer more efficient, robust and replacement solutions.

Vertical multistage in-line pump, not self priming, completely in stainless steel, interchangeable mechanical seal and standard IE3 motors.

The use of advanced technologies for the processing of stainless steel for the main hydraulic components allows to achieve very high levels of performance.

They are also particularly versatile thanks to the center distance of the in-line ports designed to maximize the interchangeability.



Q max  
**120 m<sup>3</sup>/h**

H max  
**320 m**



**CERTIFICATIONS**



## HIGH EFFICIENCY

The new NKV pumps are supplied with IE3 class motors and comply with the highest energy efficiency standards on the water handling market.



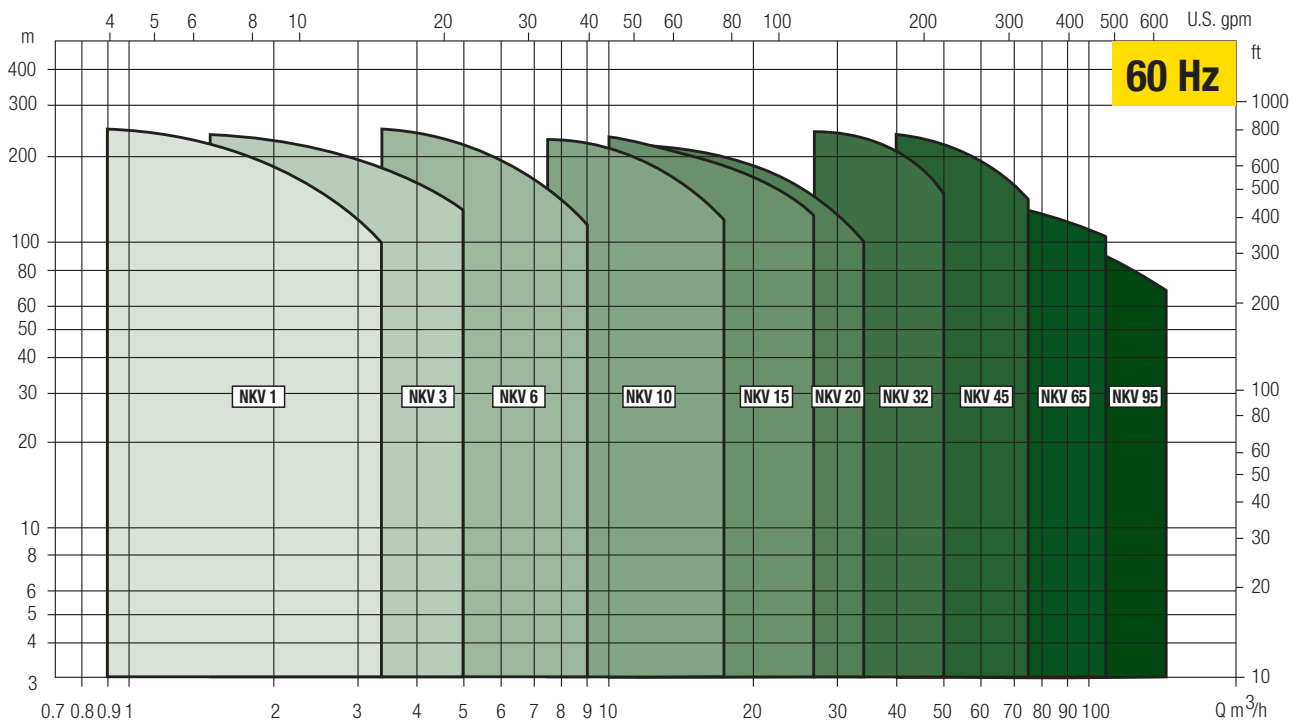
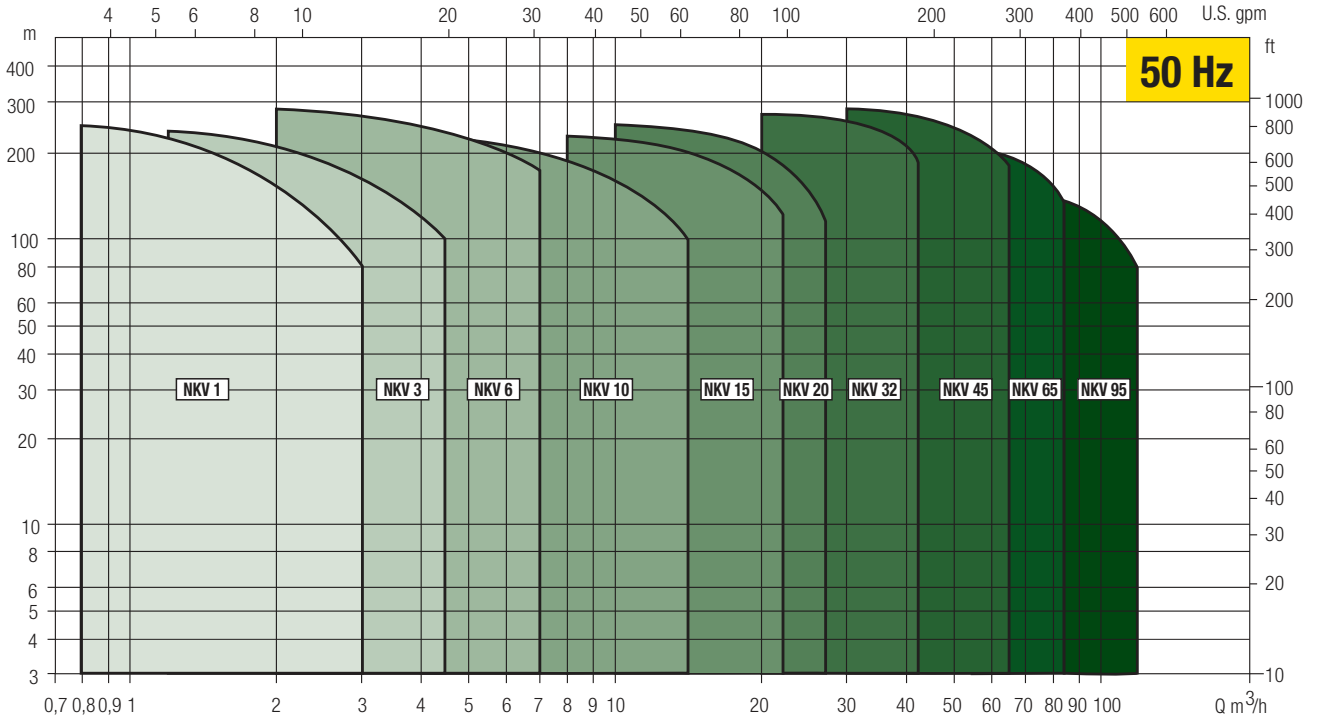
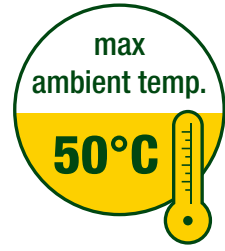
## IE3 MOTOR



# PERFORMANCE DATA

## PERFORMANCE FOR EVERY NEED

They offer incredible application flexibility thanks to a complete performance range and the ability to work with ambient temperatures up to 50°C.



# SELECTION TABLE

## DIFFERENT CONFIGURATION POSSIBILITIES

It is possible to choose from different types of flanges (round, oval, Victaulic and clamp), mechanical seals and different types of stainless steel (X versions in AISI 316 steel are available on request).

PUMP MODEL	IMPELLER / DIFFUSER	BASE	FLANGES
NKV 32, 45, 65, 95	Inox 304	Cast iron	Cast iron
NKV 1, 3, 6, 10, 15, 20 S	Inox 304	Inox 304	Inox 304
NKV 1, 3, 6, 10, 15, 20, 32, 45, 65, 95 X	Inox 316	Inox 316	Inox 316

LIQUID (WATER SOLUTION)	CONCENTRATION [%]	MIN/MAX TEMPERATURE [°C]	NKV MODEL		
			Standard (NKV 32-95)	S (NKV 1-20)	X (NKV 1-95)
ACETIC ACID	10 ÷ 40	+0/+70	-	-	E1
CITRIC ACID	5	+5/+70	-	E1	E1
HYDROCHLORIC ACID	2	+5/+25	-	-	V3
FORMIC ACID	5	+5/+25	-	E1	E1
PHOSPHORIC ACID	10	+5/+30	-	-	E1
NITRIC ACID	40	+5/+30	-	V3	V3
SULFURIC ACID	2	+5/+25	-	-	V4
TANNIC ACID	20	+5/+50	-	-	E1
TARTARIC ACID	50	+5/+25	-	V3	V3
DEIONIZED WATER, DEMINERALIZED WATER	100	+5/+110	E1	E1	E1
SODIUM BICARBONATE	6	+5/+60	-	-	E1
CHLOROFORM	100	-10/+30	V4	V4	V4
OIL IN WATER EMULSION	100	+15/+90	V4	V4	V4
PHOSPHATES, POLYPHOSPHATES	10	+5/+90	-	V3	V3
ETHYLENE GLYCOL	10 ÷ 30	-15/+120	-	E1	E1
PROPYLENE GLYCOL	30	-10/+100	V3	V3	V3
SODIUM HYPOCHLORITE	1	+5/+25	-	-	V3
SODIUM NITRATE	10	+5/+60	-	V3	V3
DIATHERMIC OIL	100	+90/+120	V4	V4	V4
MINERAL OIL	100	+90/+120	V4	V4	V4
VEGETABLE OIL	100	+70/+100	E1	E1	E1
PERCHLOROETHYLENE	100	-10/+30	V4	V4	V4
SODIUM HYDROXIDE	25	+5/+70	E2	E2	E2
ALUMINIUM SULPHATE	10 ÷ 25	+5/+50	-	-	E2
AMMONIUM SULPHATE	10	-10/+60	-	-	E2
FERRIC SULPHATE	10	+5/+30	-	-	E1
TRICHLOROETHYLENE	100	-10/+40	V4	V4	V4

For use with sea water, please consult the technical office. This table should be considered a general guide.

It is important to consider the specific operating conditions, in particular the concentration in the pumped liquid, the specific weight and/or the viscosity, the temperature of the liquid and its pressure.

All these conditions are essential for engine and pump performance.

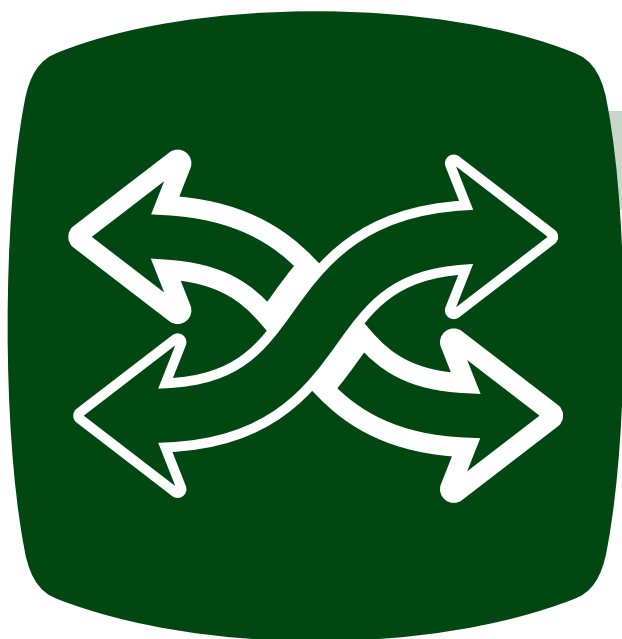
When pumping hazardous liquids, it is recommended to take safety precautions. You can contact us for more information.

## OVERVIEW

### ROBUSTNESS AND RELIABILITY

All parts in contact with liquids are made of AISI 304 stainless steel (AISI 316 X versions). DAB construction quality guarantees solidity and greater resistance to wear and tear.

**AISI 304**



### THE EASIEST REPLACEMENT EVER

In addition, the new range has been designed to simplify replacement thanks to the standard flanges and standard centre distances.



**RANGE**

**NKV**



**NKVE**



**1-2-3-4 NKV**



**1-2-3-4 NKVE**

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