

NKV

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

60 Hz





Certificate of Compliance

Certificate: 2392698 (115146_0_000)

Master Contract: 190906

Project: 70037001

Date Issued: 2016-02-08

Issued to: DAB Pumps S.p.A.
14 Via Marco Polo
Mestrino, Padova 35035
ITALY

Attention: Alessandro Canazza

*The products listed below are eligible to bear the CSA Mark shown
with adjacent indicators 'C' and 'US'*



Issued by: Brook Hatton
Brook Hatton

NSF/ANSI 61

PRODUCTS

CLASS - C686108 - MECHANICAL DEVICES - NSF/ANSI 61 SECTION 8-Certified to NSF/ANSI 61

CLASS - C685301 - LOW LEAD CONTENT CERTIFICATION PROGRAM-PLUMBING PRODUCTS--

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Multistage Vertical Centrifugal Pump models (Cold 230C):

NKV10
NKV15
NKV20

Note: Products shall be installed in accordance with the Local Code of the Authority having Jurisdiction.



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APPLICABLE REQUIREMENTS

NSF/ANSI 61 - 2014a - Drinking Water System Components – Health Effects

NSF/ANSI 372 - 2011 - Drinking Water System Components – Lead Content (*)

Note (*): Products Certified to NSF/ANSI 372 conform to the requirements for "lead free" plumbing products as defined by California, Vermont, Maryland and Louisiana state laws and by Section 1417 of the US Safe Drinking Water Act.

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

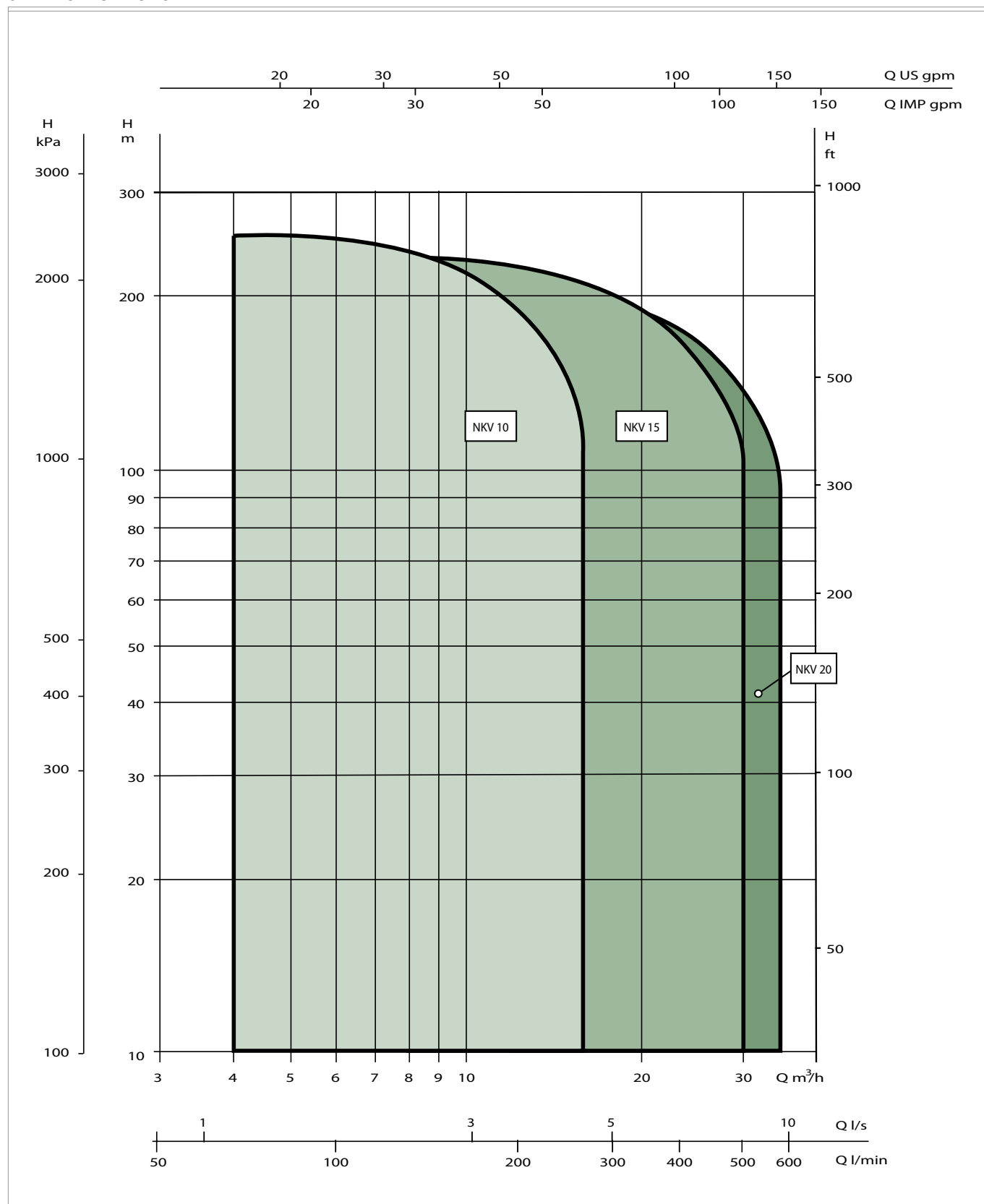
All markings required by CSA must be permanent and legible. Devices or components shall be labeled in a manner to ensure that all markings are visible after installation. Where it is not practical to place the markings directly on the device, component or material, the markings shall be located on the container or packaging and/or literature accompanying the device, component or material. The content consists of:

- manufacturer's identification: "190906" or "DAB Pumps";
 - in addition to the manufacturer's identification may be branded as "Grundfos";
- CSA Mark with "C", "US" indicator;
- qualifiers "Drinking Water" (optional) and "NSF/ANSI 61" below or adjacent the CSA Mark;
- qualifiers "NSF/ANSI 372" or "LLC" or "LOW LEAD CONTENT" below or adjacent the CSA Mark;
- product identification (if applicable)

PERFORMANCE RANGE

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

GRAPHICAL SELECTION TABLE



SELECTION TABLE - NKV 10

MODEL	Q=m³h	0	1	2	3	4	5	6	7	8	9	10	12	14	16
	Q=gpm	0.0	4.5	8.7	13.2	17.7	21.9	26.4	30.9	35.1	39.6	44.1	52.8	61.6	70.5
NKV 10/26	H (ft)	98.4	98.4	98.4	98.1	98.4	98.1	97.4	96.5	94.2	90.6	86.3	76.1	63.3	48.6
NKV 10/36		147.6	147.6	147.3	147.3	147.6	147.0	146.3	144.7	141.1	135.8	129.6	114.2	95.1	72.5
NKV 10/46		196.9	196.9	196.5	196.2	196.9	195.9	195.2	192.9	188.3	181.4	172.9	152.2	126.6	96.8
NKV 10/56		246.1	246.1	245.7	245.4	246.1	244.8	243.8	241.1	235.2	226.7	215.9	190.3	158.5	121.1
NKV 10/66		295.3	295.3	294.9	294.3	295.3	294.0	292.7	289.4	282.2	272.0	259.2	228.0	190.0	145.3
NKV 10/76		344.5	344.5	343.8	343.5	344.5	342.8	341.2	337.6	329.4	317.3	302.2	266.4	221.8	169.3
NKV 10/86		393.7	393.7	393.0	392.4	393.7	391.7	390.1	385.8	376.3	362.5	345.5	304.5	253.3	193.6
NKV 10/96		442.9	442.9	442.3	441.6	441.6	440.6	439.0	434.1	423.2	407.8	388.8	342.5	285.1	217.8
NKV 10/106		492.1	492.1	491.5	490.5	490.5	489.8	487.5	482.3	470.5	453.1	431.8	380.6	316.6	242.1
NKV 10/126		590.6	590.6	589.6	588.6	588.6	587.6	585.3	578.7	564.6	544.0	518.4	456.7	379.9	290.4
NKV 10/146		689.0	689.0	688.0	686.7	686.7	685.7	682.7	675.2	658.5	634.5	604.7	532.8	443.2	338.9
NKV 10/176		836.6	836.6	835.3	834.0	834.0	832.3	829.1	819.9	799.5	770.3	734.3	647.0	538.4	411.4

SELECTION TABLE - NKV 15

MODEL	Q=m³h	0	1	2	4	6	8	10	12	14	16	18	20	22	26	30
	Q=gpm	0.0	4.5	8.7	17.7	26.4	35.1	44.1	52.8	61.6	70.5	79.3	88.0	97.0	114.4	132.1
NKV 15/26	H (ft)	128.9	128.3	127.6	127.6	126.6	124.7	124.3	123.4	121.7	118.8	114.5	107.9	101.4	85.6	66.6
NKV 15/36		193.2	189.3	191.6	191.6	190.0	187.0	186.7	185.0	182.7	178.1	171.6	161.7	151.9	128.6	99.7
NKV 15/46		257.9	256.6	255.6	255.6	253.3	252.6	249.0	246.7	243.4	237.5	229.0	2158.8	202.8	171.6	132.9
NKV 15/56		322.2	320.9	319.2	319.2	316.6	315.0	311.0	308.4	304.5	296.9	286.1	269.7	253.3	214.2	166.0
NKV 15/66		386.5	384.8	383.2	383.2	379.9	377.3	373.4	370.1	365.2	356.3	343.2	323.5	303.8	257.2	199.5
NKV 15/76		451.1	449.1	446.9	446.9	443.2	439.6	435.4	431.8	426.2	415.7	400.6	377.6	354.7	299.9	232.6
NKV 15/86		515.4	513.1	510.8	510.8	506.6	502.0	497.7	493.4	486.9	475.1	457.7	431.4	405.2	342.8	265.7
NKV 15/96		577.8	577.4	574.8	574.8	569.9	564.6	560.0	555.1	547.9	534.4	514.8	485.2	455.7	385.8	298.9
NKV 15/106		644.4	641.4	638.5	638.5	633.2	627.6	622.0	616.8	608.9	593.8	572.2	539.4	506.6	428.5	332.3
NKV 15/126		773.3	769.7	766.4	766.4	759.8	753.0	746.7	740.2	730.3	712.6	686.7	647.3	607.9	514.4	398.6

SELECTION TABLE - NKV 20

MODEL	Q=m³h	0	4	8	10	12	14	16	18	20	22	24	26	30	35
	Q=gpm	0.0	17.7	35.1	44.1	52.8	61.6	70.5	79.3	88.0	97.0	105.7	114.4	132.1	154.0
NKV 20/26	H (ft)	137.5	136.8	136.2	135.5	134.5	133.9	132.2	129.6	125.7	120.4	113.8	107.3	93.8	73.2
NKV 20/36		206.4	205.4	204.1	203.4	203.4	200.8	198.5	194.6	188.6	180.4	170.6	161.1	140.7	109.9
NKV 20/46		275.3	274.0	272.0	271.3	269.0	267.7	264.4	259.2	251.6	240.5	227.4	214.6	187.3	146.7
NKV 20/56		343.8	342.2	340.2	338.9	337.9	334.6	330.7	324.1	314.3	300.9	284.4	268.4	234.3	183.1
NKV 20/66		412.7	410.8	408.1	406.8	406.8	401.6	396.7	388.8	377.3	360.9	341.2	321.9	281.2	219.8
NKV 20/76		481.6	479.3	476.0	474.7	472.8	468.5	462.9	453.7	440.3	420.9	398.0	375.7	328.1	256.6
NKV 20/86		550.2	547.6	545.9	542.3	540.4	535.8	528.9	518.4	503.0	481.3	455.1	429.1	375.0	293.0
NKV 20/106		688.0	684.7	680.1	678.1	675.2	669.3	661.1	648.0	628.9	601.4	568.6	536.4	468.5	366.5



TECHNICAL DATA

Operating range:

from 18 to 150 gpm with head up to 834 ft.

Pumped liquid: without solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to water characteristics.

Liquid temperature range: from 5°F to 248°F.

Maximum ambient temperature: 104°F.

Maximum working pressure: 362 psi (2500kPa) NKV 10-15-20

Installation: fixed, vertical mounting.

Special version on request:
different voltage supply and anti-deflagrating version.

Motor protection: IP 55.

Insulation class: F.

APPLICATIONS

Vertical multistage centrifugal pump suitable for water systems of medium and large water utilities. It is suitable for pressurization units, boiler feed, hot water circulation, and cooling water, fire fighting and washing systems, supplying drinking water and feeding autoclave systems, irrigation and sprinkler systems and water purification.

PUMP FEATURES

NKV 10-15-20

All the parts in contact with liquid are stainless and are approved to ANSI NSF61 for Drinking Water.

AISI 304 microcasted stainless steel internal pump body, ULTEM diffusers, AISI 431 pump shaft, impellers and pump sleeve in stainless steel AISI 304.

External pump body and support in cast iron cataphoresis coated. Cartridge mechanical seal silicon carbide/silicon carbide, exempt from maintenance, can be dismantled without removing the motor starting from 7.5 Hp (5.5 kW) Connected to the motor with a rigid coupling.

MOTOR FEATURES

Induction motor closed and cooled with external ventilation.

Shaft with rotor mounted on oversized greased sealed-for-life ball bearings to ensure silent running and long life.

Motor should be protected with a suitable overload protection complying with the regulations in force.

Manufactured according to CEI 2-3.

Standard voltage:

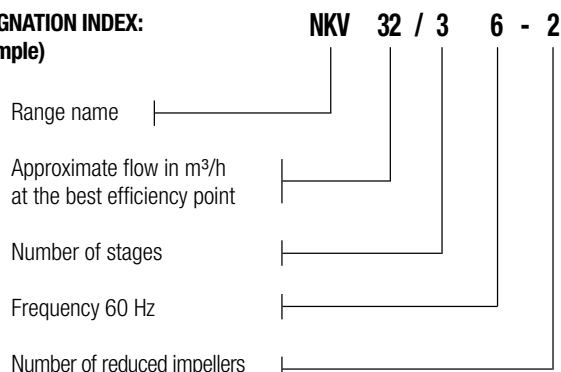
Tri-phase 220-277/380-480 V / 60 Hz.

Motor frame :

NKV 10 -15 - 20: B5 -V1

DESIGNATION INDEX:

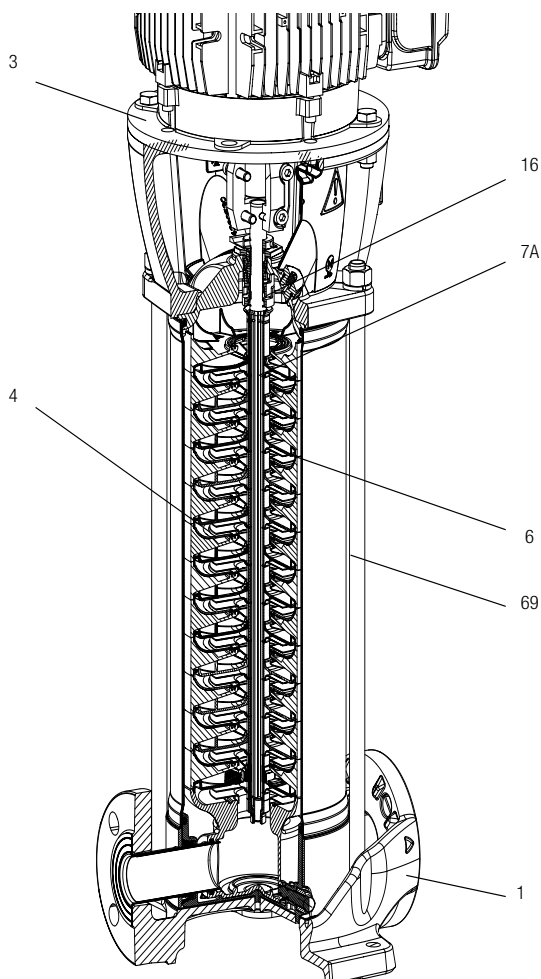
(Example)



NKV 10-15-20 MATERIAL

N°	PARTS	MATERIAL *
1	EXTERNAL PUMP BODY	CAST IRON WITH CATAPHORESIS
	INTERNAL PUMP BODY*	STAINLESS STEEL AISI 304
3	SUPPORT	CAST IRON WITH CATAPHORESIS
4	IMPELLER*	STAINLESS STEEL AISI 304
6	DIFUSSER*	TECHNOPOLYMER "ULTEM"
7A	PUMP SHAFT*	STAINLESS STEEL AISI 431
16	MECHANICAL SEAL*	CARTRIDGE SiC/SiC/EPDM
69	EXTERNAL CASING*	STAINLESS STEEL AISI 304

* In contact with the liquid.



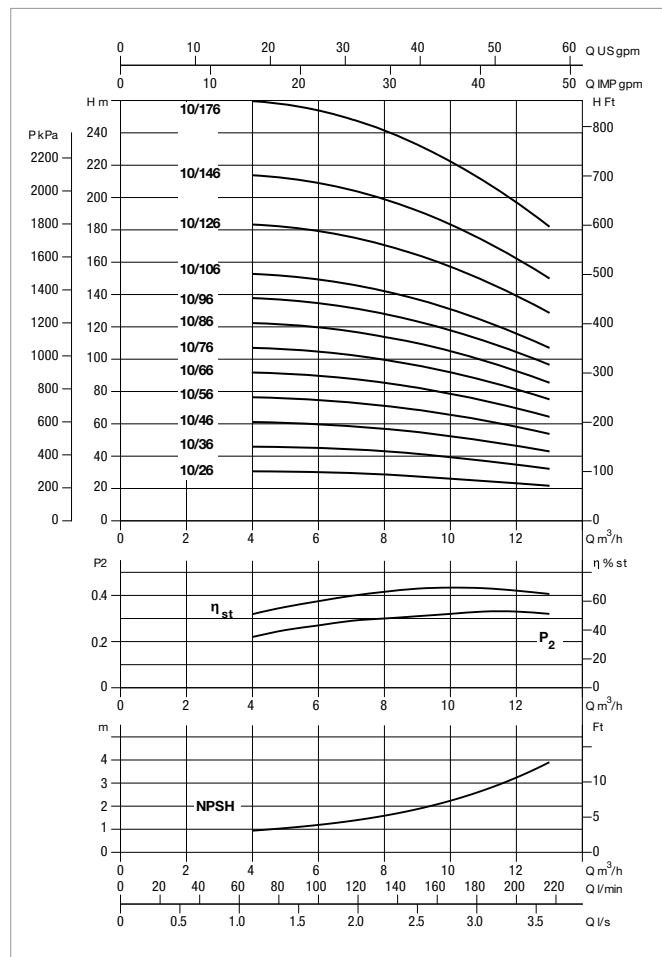
NKV 10 - CIVIL AND INDUSTRIAL PRESSURIZATION UNITS

Liquid temperature range: from 5°F to 248°F - Maximum operating pressure: 362 psi (2500 kPa)

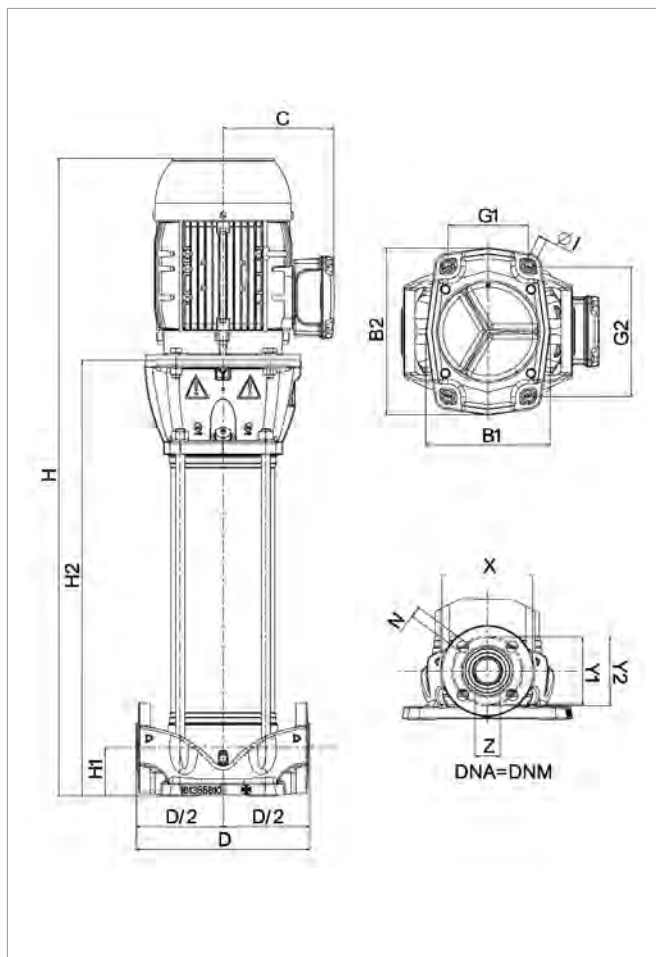
MODEL	N° IMPELLER	VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	r.p.m.	COS φ
				kW	HP			
NKV 10/26	2	3x220-277/380-480 V~	0,8	1,5	2	5.7- 4.9 / 3.3- 2.6	3370-3470	0.88 - 0.8
NKV 10/36	3	3x220-277/380-480 V~	1,2	2,2	3	8.1- 6.5 / 4.7- 3.8	3370-3470	0.88 - 8.83
NKV 10/46	4	3x220-277/380-480 V~	1,6	3	4	6 - 4.9 / 3.5	3440-3510	0.9 - 0.85
NKV 10/56	5	3x220-277/380-480 V~	2	3	4	6 - 4.9 / 3.5	3440-3510	0.9 - 0.85
NKV 10/66	6	3x220-277/380-480 V~	2,3	4	5,5	7.7 - 6.6 / 4.4	3460-3510	0.91 - 0.84
NKV 10/76	7	3x220-277/380-480 V~	2,7	5,5	7,5	10.6 - 8.6 / 6.1	3470-3530	0.92 - 0.88
NKV 10/86	8	3x220-277/380-480 V~	3,1	5,5	7,5	10.6 - 8.6 / 6.1	3470-3530	0.92 - 0.88
NKV 10/96	9	3x220-277/380-480 V~	3,5	5,5	7,5	10.6 - 8.6 / 6.1	3470-3530	0.92 - 0.88
NKV 10/106	10	3x220-277/380-480 V~	3,7	7,5	10	14.2 - 11.4 / 8.2	3470-3520	0.92 - 0.89
NKV 10/126	12	3x220-277/380-480 V~	4,5	7,5	10	14.2 - 11.4 / 8.2	3470-3520	0.92 - 0.89
NKV 10/146	14	3x220-277/380-480 V~	5,2	11	15	20.4 - 16.4 / 11.8	3510-3550	0.92 - 0.89
NKV 10/176	17	3x220-277/380-480 V~	6,4	11	15	20.4 - 16.4 / 11.8	3510-3550	0.92 - 0.89

MODEL	B1	B2	G1	G2	I	C	D	D2	H	H1	H2	DNA=NM			Z	N	PACKAGING DIMENSIONS			VOLUME ft³	WEIGHT lbs
												X	Y1	Y2			L/A	L/B	H		
NKV 10/26	8.268	10.787	5.118	8.465	0.531	6.102	11.024	5.512	24.661	3.150	14.032	5.906	4.331	4.528	1.575	0.689	31.496	15.748	15.748	4.52	106.7
NKV 10/36	8.268	10.787	5.118	8.465	5.315	6.102	11.024	5.512	26.945	3.150	15.331	5.906	4.331	4.528	1.575	0.689	31.496	15.748	15.748	4.52	116.7
NKV 10/46	8.268	10.787	5.118	8.465	5.315	7.087	11.024	5.512	30.095	3.150	17.299	5.906	4.331	4.528	1.575	0.689	31.496	15.748	15.748	4.52	136.3
NKV 10/56	8.268	10.787	5.118	8.465	5.315	7.087	11.024	5.512	31.394	3.150	18.598	5.906	4.331	4.528	1.575	0.689	31.496	15.748	15.748	4.52	138.1
NKV 10/66	8.268	10.787	5.118	8.465	5.315	8.268	11.024	5.512	33.283	3.150	19.898	5.906	4.331	4.528	1.575	0.689	31.496	15.748	15.748	4.52	159.7
NKV 10/76	8.268	10.787	5.118	8.465	5.315	8.268	11.024	5.512	39.677	3.150	24.307	5.906	4.331	4.528	1.575	0.689	37.795	15.748	14.567	5.01	217.2
NKV 10/86	8.268	10.787	5.118	8.465	5.315	8.268	11.024	5.512	40.976	3.150	25.622	5.906	4.331	4.528	1.575	0.689	37.795	15.748	14.567	5.01	219.1
NKV 10/96	8.268	10.787	5.118	8.465	5.315	8.268	11.024	5.512	42.276	3.150	26.921	5.906	4.331	4.528	1.575	0.689	37.795	15.748	14.567	5.01	221.0
NKV 10/106	8.268	10.787	5.118	8.465	5.315	8.268	11.024	5.512	43.575	3.150	28.220	5.906	4.331	4.528	1.575	0.689	45.276	19.685	15.748	8.12	236.0
NKV 10/126	8.268	10.787	5.118	8.465	5.315	8.268	11.024	5.512	46.173	3.150	30.819	5.906	4.331	4.528	1.575	0.689	45.276	19.685	15.748	8.12	239.6
NKV 10/146	8.268	10.787	5.118	8.465	5.315	10.039	11.024	5.512	54.449	3.150	34.567	5.906	4.331	4.528	1.575	0.689	53.543	19.685	20.866	8.12	349.0
NKV 10/176	8.268	10.787	5.118	8.465	5.315	10.039	11.024	5.512		3.150		5.906	4.331	4.528	1.575	0.689	53.543	19.685	20.866	8.12	352.7

NKV 10 - PERFORMANCE CURVES 60Hz



The performance curves are based on kinematic viscosity values = 1 mm²/s and density aequivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

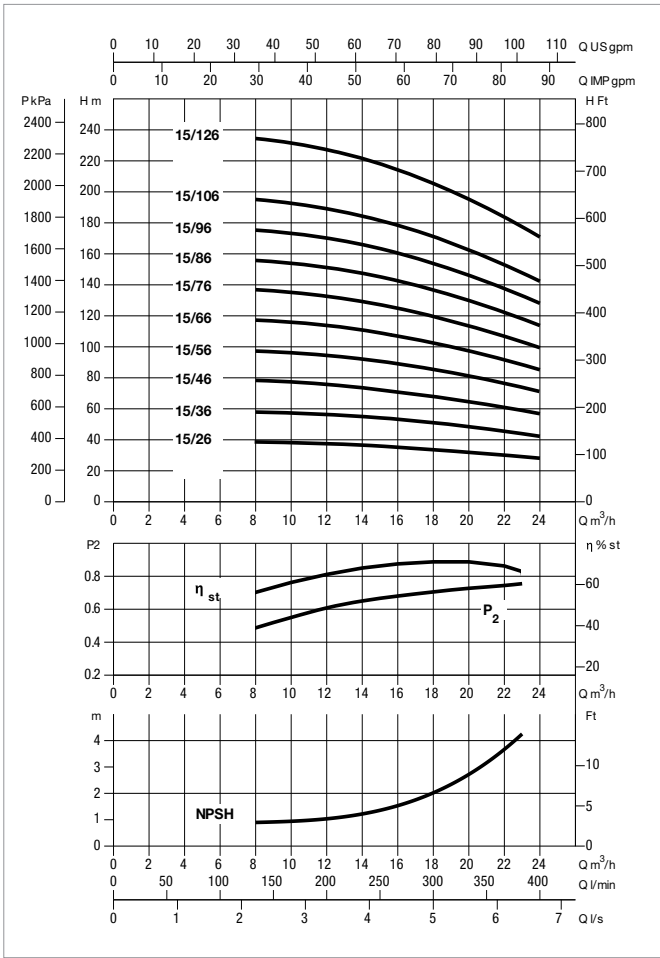


NKV 15 - CIVIL AND INDUSTRIAL PRESSURIZATION UNITS

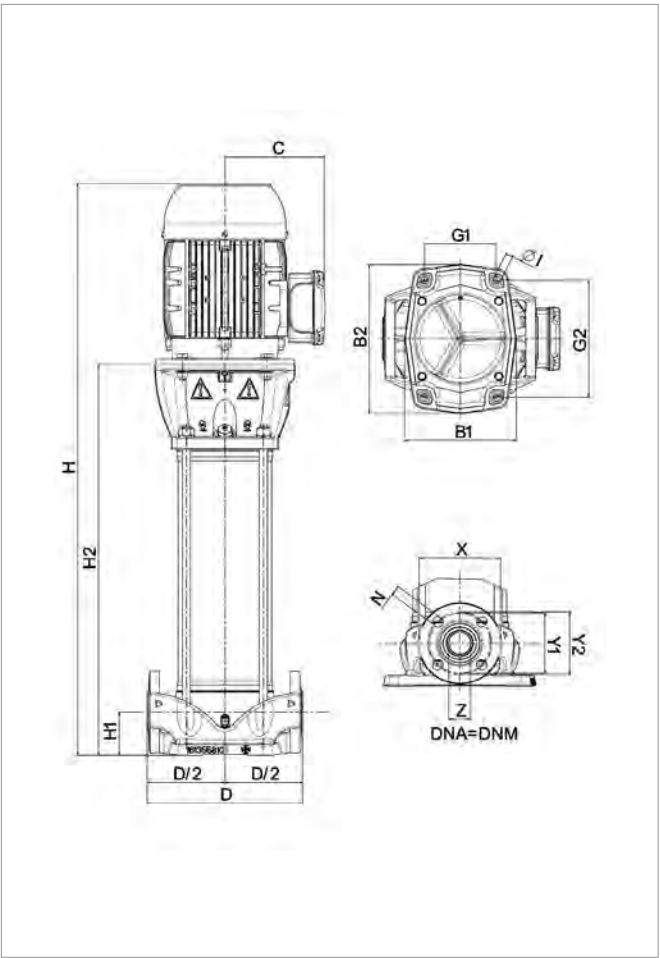
Liquid temperature range: from 5°F to 248°F - Maximum operating pressure: 362 psi (2500 kPa)

MODEL	N° IMPELLER	VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	r.p.m.	COS φ
				kW	HP			
NKV 15/26	2	3x220-277/380-480 V~	1,8	3	4	6-4,9/3,5	3440-3510	0,9-0,85
NKV 15/36	3	3x220-277/380-480 V~	2,7	4	5,5	7,7-6,6/4,4	3460-3510	0,91-0,84
NKV 15/46	4	3x220-277/380-480 V~	3,5	5,5	7,5	10,6-8,6/6,1	3470-3530	0,92-0,88
NKV 15/56	5	3x220-277/380-480 V~	4,3	7,5	10	14,2-11,4/8,2	3470-3530	0,92-0,89
NKV 15/66	6	3x220-277/380-480 V~	5,2	11	15	20,4-16,4/11,8	3510-3550	0,92-0,89
NKV 15/76	7	3x220-277/380-480 V~	6	11	15	20,4-16,4/11,8	3510-3550	0,92-0,89
NKV 15/86	8	3x220-277/380-480 V~	6,9	11	15	20,4-16,4/11,8	3510-3550	0,92-0,89
NKV 15/96	9	3x220-277/380-480 V~	7,6	15	20	27,5-21/15,8	3510-3550	0,93-0,93
NKV 15/106	10	3x220-277/380-480 V~	8,5	15	20	27,5-21/15,8	3510-3550	0,93-0,93
NKV 15/126	12	3x220-277/380-480 V~	10,1	18,5	25	33,5-27/19,4	3520-3550	0,93-0,9

MODEL	B1	B2	G1	G2	I	C	D	D2	H	H1	H2	DNA=NM		Z	N	PACKAGING DIMENSIONS			VOLUME ft³	WEIGHT lbs
												X	Y			L/A	L/B	H		
NKV 15/26	7.913	10.787	5.118	8.465	0.531	7.087	11.811	5.906	27.496	3.543	14.701	6.496	4.921	2.638	0.709	31.496	15.748	15.748	4.52	138.2
NKV 15/36	7.913	10.787	5.118	8.465	0.531	7.480	11.811	5.906	29.386	3.543	16.000	6.496	4.921	2.638	0.709	31.496	15.748	15.748	4.52	162.4
NKV 15/46	7.913	10.787	5.118	8.465	0.531	8.268	11.811	5.906	35.780	3.543	20.425	6.496	4.921	2.638	0.709	31.496	15.748	15.748	4.52	218.1
NKV 15/56	7.913	10.787	5.118	8.465	0.531	8.268	11.811	5.906	37.079	3.543	21.724	6.496	4.921	2.638	0.709	37.795	15.748	14.567	5.01	234.1
NKV 15/66	7.913	10.787	5.118	8.465	0.531	10.039	11.811	5.906	44.055	3.543	24.173	6.496	4.921	2.638	0.709	45.276	19.685	15.748	8.12	342.6
NKV 15/76	7.913	10.787	5.118	8.465	0.531	10.039	11.811	5.906	45.354	3.543	25.472	6.496	4.921	2.638	0.709	45.276	19.685	15.748	8.12	345.3
NKV 15/86	7.913	10.787	5.118	8.465	0.531	10.039	11.811	5.906	46.654	3.543	26.772	6.496	4.921	2.638	0.709	45.276	19.685	15.748	8.12	348.0
NKV 15/96	7.913	10.787	5.118	8.465	0.531	10.039	11.811	5.906	47.953	3.543	28.071	6.496	4.921	2.638	0.709	45.276	19.685	15.748	8.12	368.3
NKV 15/106	7.913	10.787	5.118	8.465	0.531	10.039	11.811	5.906	49.252	3.543	29.370	6.496	4.921	2.638	0.709	53.543	19.685	20.866	12.71	393.1
NKV 15/126	7.913	10.787	5.118	8.465	0.531	10.039	11.811	5.906	54.016	3.543	31.969	6.496	4.921	2.638	0.709	53.543	19.685	20.866	12.71	449.2



The performance curves are based on kinematic viscosity values = 1 mm²/s and density aequivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

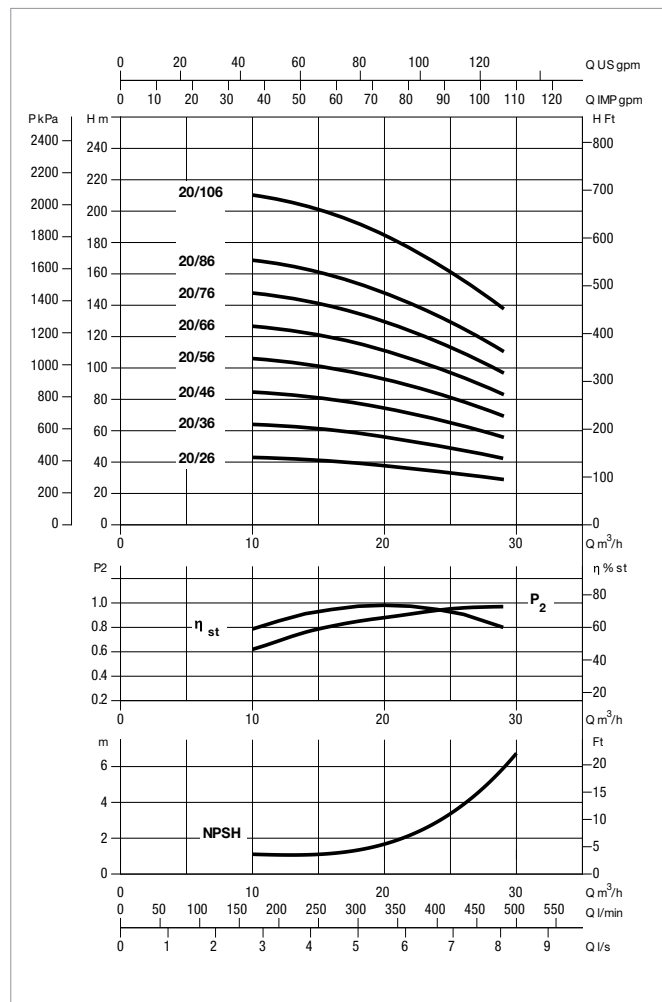


NKV 20 - CIVIL AND INDUSTRIAL PRESSURIZATION UNITS

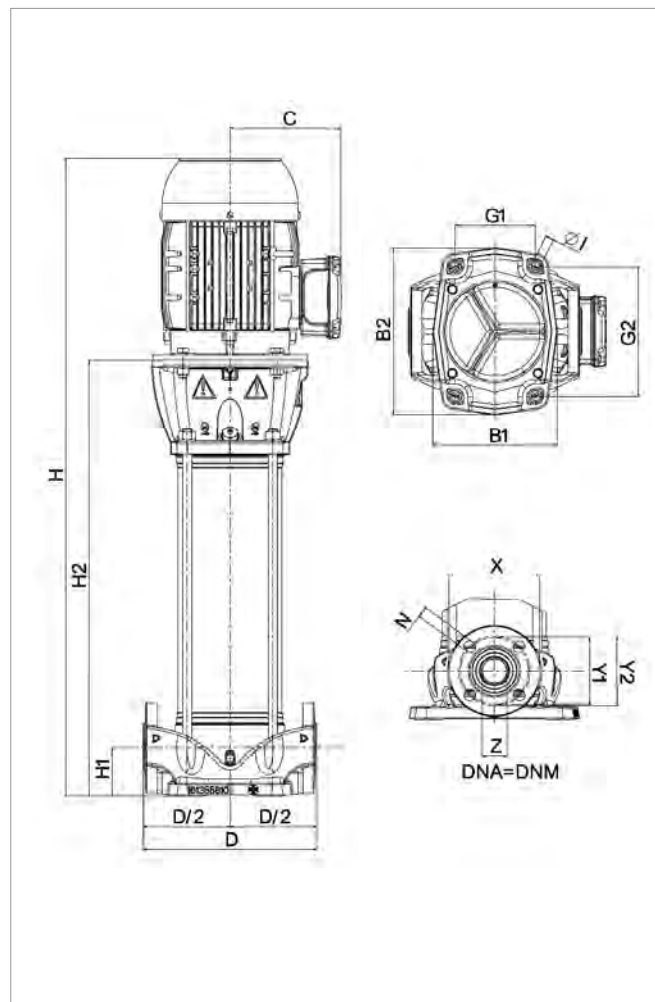
Liquid temperature range: from 5°F to 248°F - Maximum operating pressure: 362 psi (2500 kPa)

MODEL	N° IMPELLER	VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	r.p.m.	COS φ
				kW	HP			
NKV 20/26	2	3x220-277/380-480 V~	2,3	4	5,5	7,7-6,6/4,4	3460-3510	0,91-0,84
NKV 20/36	3	3x220-277/380-480 V~	3,4	5,5	7,5	10,6-8,6/6,1	3470-3530	0,92-0,88
NKV 20/46	4	3x220-277/380-480 V~	4,4	7,5	10	14,2-11,4/8,2	3470-3530	0,92-0,89
NKV 20/56	5	3x220-277/380-480 V~	5,6	11	15	20,4-16,4/11,8	3510-3350	0,92-0,89
NKV 20/66	6	3x220-277/380-480 V~	6,7	11	15	20,4-16,4/11,8	3510-3550	0,92-0,89
NKV 20/76	7	3x220-277/380-480 V~	7,6	11	20	27,5-21/15,8	3510-3350	0,93-0,93
NKV 20/86	8	3x220-277/380-480 V~	8,7	15	20	27,5-21/15,8	3510-3350	0,93-0,93
NKV 20/106	10	3x220-277/380-480 V~	10,8	18,5	25	33,5-27/19,4	3520-3550	0,93-0,9

MODEL	B1	B2	G1	G2	I	C	D	D2	H	H1	H2	DNA=NM		Z	N	PACKAGING DIMENSIONS			VOLUME ft³	WEIGHT lbs
												X	Y			L/A	L/B	H		
NKV 20/26	7.913	10.787	5.118	8.465	0.531	7.480	11.811	5.906	28.087	3.543	14.701	6.496	4.921	2.638	0.709	31.496	15.748	15.748	4.52	158.0
NKV 20/36	7.913	10.787	5.118	8.465	0.531	8.268	11.811	5.906	34.480	3.543	19.126	6.535	4.921	2.638	0.709	31.496	15.748	15.748	4.52	215.3
NKV 20/46	7.913	10.787	5.118	8.465	0.531	8.268	11.811	5.906	35.780	3.543	20.425	6.575	4.921	2.638	0.709	37.795	15.748	14.567	5.01	231.3
NKV 20/56	7.913	10.787	5.118	8.465	0.531	10.039	11.811	5.906	42.756	3.543	22.874	6.614	4.921	2.638	0.709	37.795	15.748	14.567	5.01	333.3
NKV 20/66	7.913	10.787	5.118	8.465	0.531	10.039	11.811	5.906	44.055	3.543	24.173	6.654	4.921	2.638	0.709	45.276	19.685	15.748	8.12	343.8
NKV 20/76	7.913	10.787	5.118	8.465	0.531	10.039	11.811	5.906	45.354	3.543	25.472	6.693	4.921	2.638	0.709	45.276	19.685	15.748	8.12	362.9
NKV 20/86	7.913	10.787	5.118	8.465	0.531	10.039	11.811	5.906	46.654	3.543	26.772	6.732	4.921	2.638	0.709	53.543	19.685	20.866	12.71	365.7
NKV 20/106	7.913	10.787	5.118	8.465	0.531	10.039	11.811	5.906	51.417	3.543	29.370	6.772	4.921	2.638	0.709	53.543	19.685	20.866	12.71	443.8



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.





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