

# KVC - KVCX

## INTEGRAL SHAFT MULTISTAGE VERTICAL CENTRIFUGAL ELECTRIC PUMPS



### TECHNICAL DATA

**Operating range:**

from 50 to 200 l/min with head up to 113 m.

**Pumped liquid:** clean, free of solids and abrasives, non-viscous, non-aggressive, non-crystallised and chemically neutral, with properties similar to water.

**Pumped liquid temperature range:** from 0 °C to +35 °C for domestic use (EN 60335-2-41 safety standards).

From 0°C to +40°C for other uses.

**Maximum ambient temperature:** +40 °C.

**Maximum operating pressure:** 12 bar (1200 kPa).

**Protection class:** IP 55

**Insulation class:** F

**Standard voltage:** single-phase 220-240 V / 50 Hz

three-phase 230-400 V / 50 Hz

IE2 ≥ 0,75 kW

**Installation:** fixed, vertical or horizontal position, provided that the motor is always above the pump.

**Special executions on requests:** alternative voltages and frequencies.

### APPLICATIONS

Vertical multistage centrifugal pump suitable for small to medium user water systems. Suitable for pressurization units, filling of pressure vessels, sprinkler and watering systems, fire-fighting and washing systems, channelling of condensate and cooling water. Innovative and robust design.

### CONSTRUCTION FEATURES OF THE PUMP

KVC: Technopolymer delivery and suction bodies, and in-line suction and delivery ports with threaded metal insert.

KVCX: technopolymer suction body with threaded metal insert; stainless steel threaded delivery port on pump liner.

Impellers, diffuser bodies and diffusers in technopolymer, fully rust-proof. AISI 304 stainless steel pump liner, adjustment rings and seal disc. Carbon/ceramic mechanical seal, fitted on the AISI 303 stainless-steel drive shaft extension.

### CONSTRUCTION FEATURES OF THE MOTOR

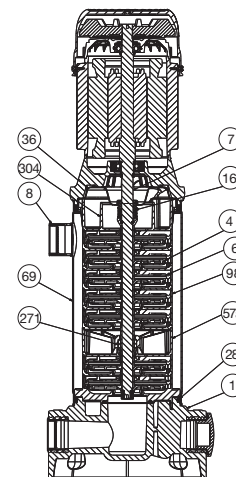
Closed asynchronous type, external ventilation cooling. Rotor running on permanently lubricated ball bearings, oversized to ensure low noise and durability. Standard built-in thermo-amperometric protection. Capacitor permanently fitted on single phase versions.

Overload protection to be provided by the user for the three-phase version. Construction according to CEI 2-3 / CEI 61-69 (EN 60335-2-41).

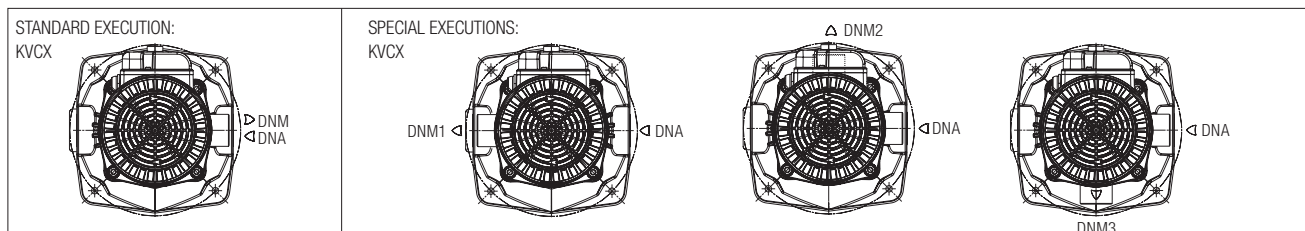
### MATERIALS

No.	PARTS*	MATERIALS
1	PUMP BODY	TECHNOPOLYMER A
4	IMPELLER	TECHNOPOLYMER B
6	DIFFUSER	TECHNOPOLYMER B
7	SHAFT WITH ROTOR	AISI 303 STAINLESS STEEL X10 CrNi S 1089 UNI 6900/71
16	MECHANICAL SEAL	SILICON CARBIDE/SILICON
28	OR RING	EPDM RUBBER
36	SEAL HOLDING DISC	AISI 304 STAINLESS STEEL X5 CrNi 1810 UNI 6900/71
57a	INTERMEDIATE STAGE	TECHNOPOLYMER B
69	LINER	AISI 304 STAINLESS STEEL X5 CrNi 1810 UNI 6900/71
98	DIFFUSER BODY	TECHNOPOLYMER B
271	CENTERING BUSHING	BRONZE B14
304	CONVEYOR	TECHNOPOLYMER B
8	DNM (standard for KVCX only)	

\* In contact with the liquid.



### KVCX SUCTION AND DELIVERY PORT ORIENTATION



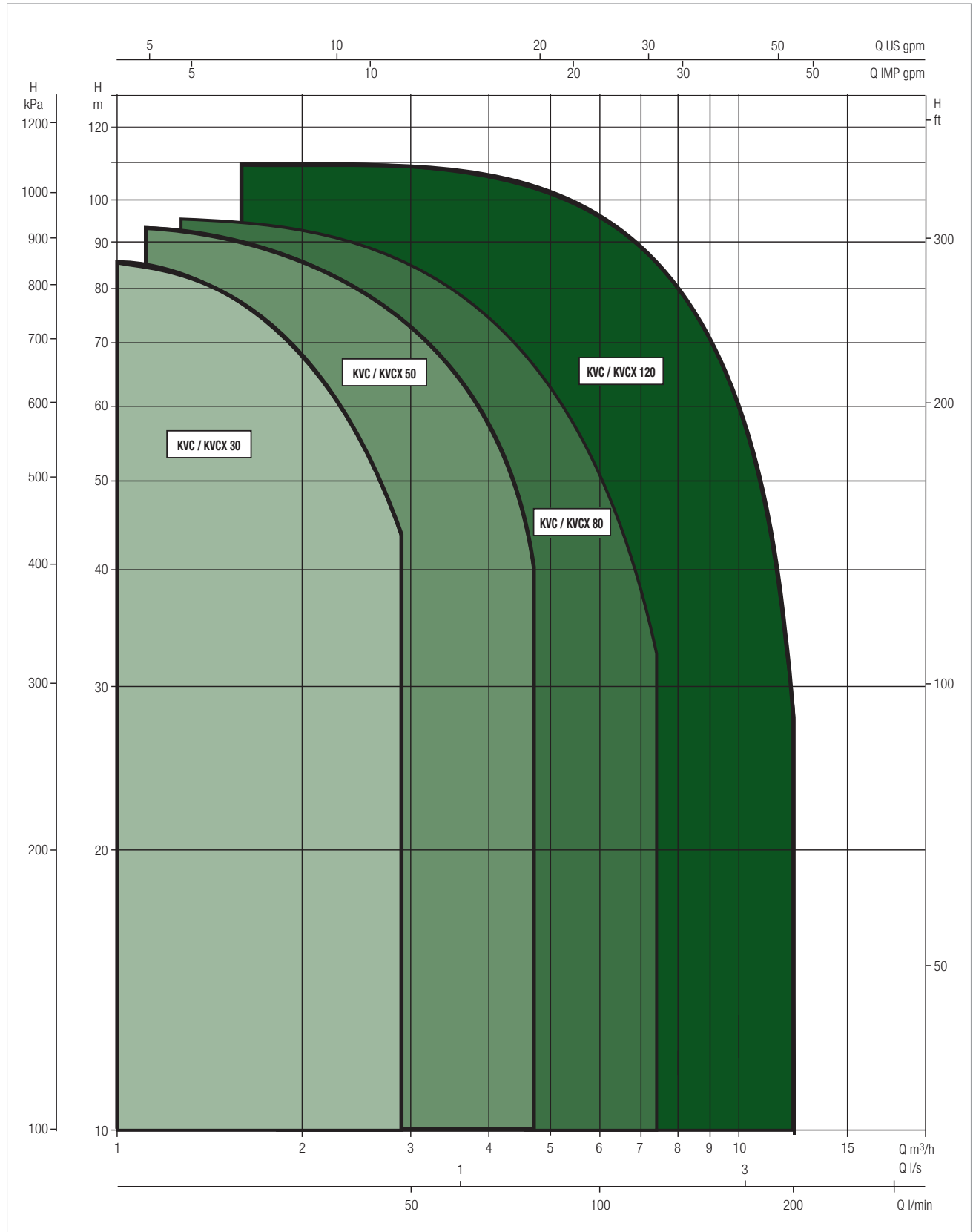
# KVC - KVCX RANGE

## INTEGRAL SHAFT MULTISTAGE VERTICAL CENTRIFUGAL ELECTRIC PUMPS

### PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values =  $1 \text{ mm}^2/\text{s}$  and density equal to  $1000 \text{ kg/m}^3$ . Curve tolerance according to ISO 9906.

### GRAPHIC SELECTION TABLE





### SELECTION TABLE - KVC / KVCX 30

MODEL		Q=m <sup>3</sup> /h	0	0.6	1.2	1.8	2.4	3	3.3
SINGLE-PHASE	THREE-PHASE	Q=l/min	0	10	20	30	40	50	55
KVC/KVCX 15/30 M	KVC/KVCX 15/30 T	H (m)	22.4	21.2	19.2	16.7	13.8	9.9	7.6
KVC/KVCX 25/30 M	KVC/KVCX 25/30 T		33.9	32.1	29.1	25.3	20.9	15.0	11.6
KVC/KVCX 35/30 M	KVC/KVCX 35/30 T		45.6	43.2	39.1	34.1	28.2	20.2	15.6
KVC/KVCX 45/30 M	KVC/KVCX 45/30 T		56.6	53.5	48.4	42.0	34.6	24.5	19.0
KVC/KVCX 50/30 M	KVC/KVCX 50/30 T		69.8	66.2	59.9	52.2	43.1	30.9	23.9
KVC/KVCX 60/30 M	KVC/KVCX 60/30 T		82.0	77.0	70.0	61.0	49.5	35.5	27.5
KVC/KVCX 70/30 M	KVC/KVCX 70/30 T		95.0	90.0	81.5	71.0	58.7	42.0	32.5

### SELECTION TABLE - KVC / KVCX 50

MODEL		Q=m <sup>3</sup> /h	0	0.6	1.2	1.8	2.4	3	3.3	3.9	4.8
SINGLE-PHASE	THREE-PHASE	Q=l/min	0	10	20	30	40	50	55	65	80
KVC/KVCX 20/50 M	KVC/KVCX 20/50 T	H (m)	27.4	26.9	26.0	24.9	23.1	21.1	19.8	16.9	11.4
KVC/KVCX 30/50 M	KVC/KVCX 30/50 T		41.1	40.3	39.0	37.3	34.7	31.6	29.7	25.3	17.1
KVC/KVCX 40/50 M	KVC/KVCX 40/50 T		54.9	53.7	52.0	49.7	46.3	42.1	39.6	33.7	22.9
KVC/KVCX 55/50 M	KVC/KVCX 55/50 T		68.6	67.1	65.0	62.1	57.9	52.7	49.5	42.1	28.6
KVC/KVCX 65/50 M	KVC/KVCX 65/50 T		82.3	80.6	78.0	74.6	69.4	63.2	59.4	50.6	34.3
KVC/KVCX 75/50 M	KVC/KVCX 75/50 T		96.0	94.0	91.0	87.0	81.0	73.8	69.3	59.0	40.0

### SELECTION TABLE - KVC / KVCX 80

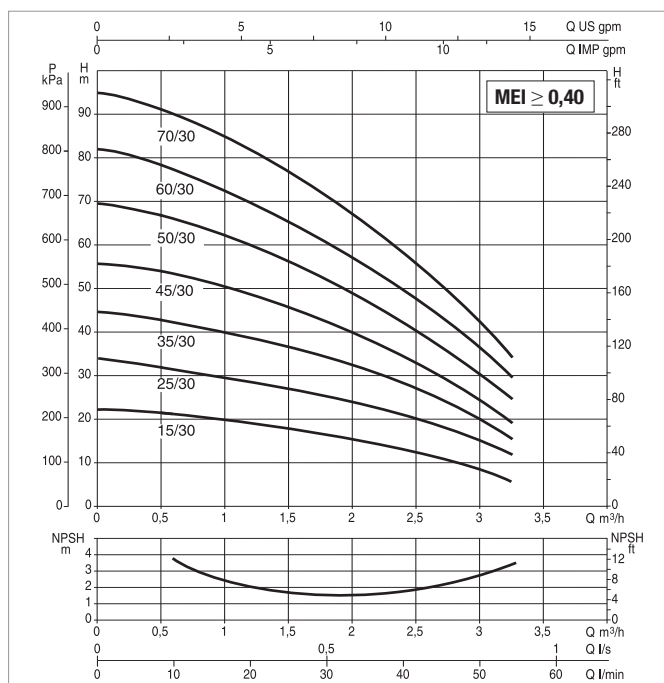
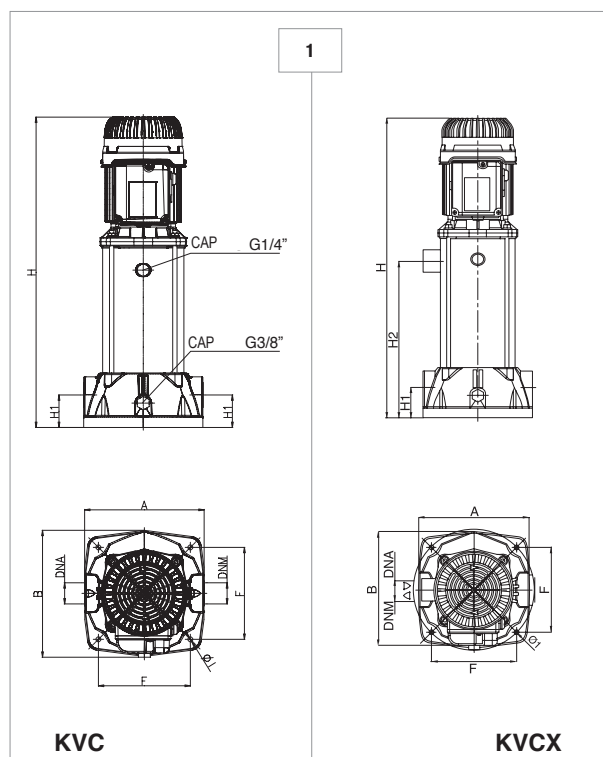
MODEL		Q=m <sup>3</sup> /h	0	0.6	1.2	1.8	2.4	3	3.3	3.9	4.8	5.4	6	7.2
SINGLE-PHASE	THREE-PHASE	Q=l/min	0	10	20	30	40	50	55	65	80	90	100	120
KVC/KVCX 15/80 M	KVC/KVCX 15/80 T	H (m)	22.8	22.4	21.7	21.1	20.3	19.1	18.3	16.8	14.0	11.7	9.5	4.5
KVC/KVCX 20/80 M	KVC/KVCX 20/80 T		34.6	34.0	33.0	32.1	30.9	29.2	28.0	25.8	21.7	18.3	14.9	7.5
KVC/KVCX 30/80 M	KVC/KVCX 30/80 T		46.6	45.8	44.6	43.4	41.8	39.5	38.0	35.2	29.8	25.5	21.0	11.0
KVC/KVCX 40/80 M	KVC/KVCX 40/80 T		58.8	57.9	56.5	55.0	53.1	50.3	48.5	45.0	38.4	33.1	27.6	15.1
KVC/KVCX 45/80 M	KVC/KVCX 45/80 T		71.3	70.2	68.7	66.9	64.7	61.4	59.4	55.3	47.5	41.4	34.9	19.9
KVC/KVCX 55/80 M	KVC/KVCX 55/80 T		84.0	82.8	81.2	79.2	76.6	72.9	70.7	66.0	57.1	50.3	42.8	25.5
-	KVC/KVCX 65/80 T		97.0	95.7	94.0	91.8	88.9	84.7	82.5	77.2	67.3	59.9	51.5	32.0

### SELECTION TABLE - KVC / KVCX 120

MODEL		Q=m <sup>3</sup> /h	0	0.6	1.2	1.8	2.4	3	3.3	3.9	4.8	5.4	6	7.2	8.4	9.6	10.8	12
SINGLE-PHASE	THREE-PHASE	Q=l/min	0	10	20	30	40	50	55	65	80	90	100	120	140	160	180	200
KVC/KVCX 25/120 M	KVC/KVCX 25/120 T	H (m)	30.4	30.3	30.2	30.0	29.9	29.6	29.3	28.7	27.7	26.9	25.9	23.2	19.9	16.4	12.0	7.0
KVC/KVCX 35/120 M	KVC/KVCX 35/120 T		46.2	46.1	45.7	45.3	44.8	44.0	43.7	42.7	40.9	39.3	37.4	33.7	29.4	24.2	18.0	11.0
KVC/KVCX 45/120 M	KVC/KVCX 45/120 T		62.4	62.0	61.4	60.8	60.1	59.1	58.6	57.5	55.3	53.4	51.4	46.2	40.6	34.0	26.3	17.0
-	KVC/KVCX 60/120 T		78.0	77.5	76.7	75.9	75.1	73.9	73.3	71.5	68.3	65.9	63.2	58.0	51.0	43.4	35.0	24.5
-	KVC/KVCX 70/120 T		95.0	94.3	93.4	92.5	91.4	89.8	88.9	86.8	83.2	80.5	77.9	71.7	63.9	54.7	44.0	31.0
-	KVC/KVCX 85/120 T		112.7	111.6	110.3	109.0	107.6	105.7	104.5	101.9	97.5	94.1	89.9	81.6	72.1	61.2	48.9	34.0

# KVC / KVCX 30 - INTEGRAL SHAFT MULTISTAGE VERTICAL CENTRIFUGAL ELECTRIC PUMPS FOR CIVIL AND INDUSTRIAL PRESSURISATION SYSTEMS, PRESSURE UNITS

Pumped liquid temperature range: from 0 °C to +35 °C for domestic use - from 0 °C to +40 °C for the other uses



See hydraulic efficiency details on page 291.

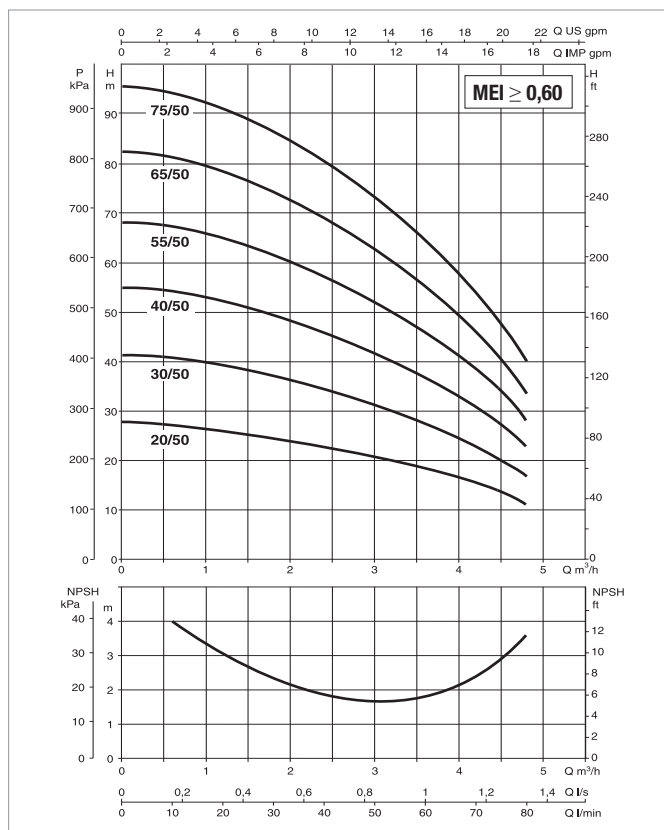
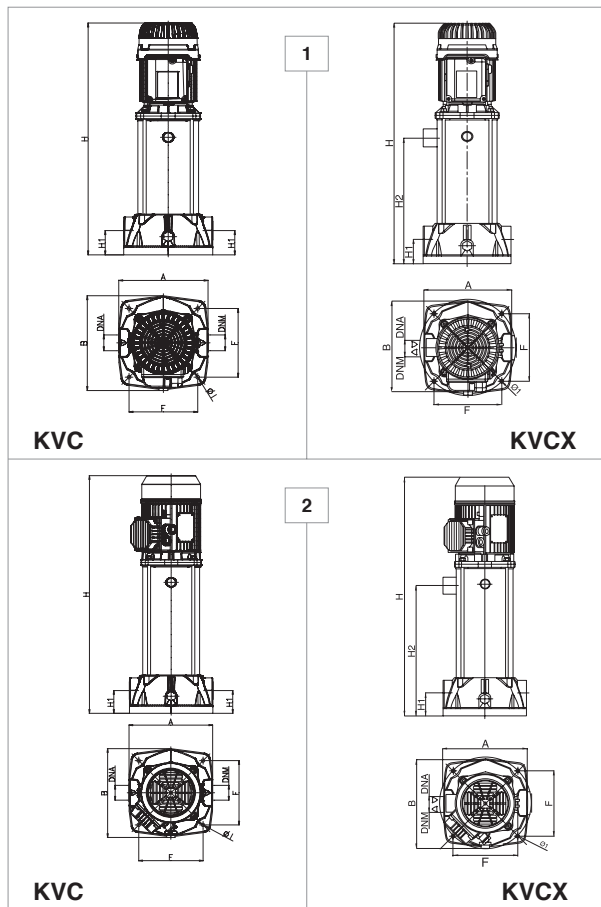
The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	NO. OF IMPELLERS	ELECTRICAL DATA									
		POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	MOTOR TYPE	I st. A	1/min.	CAPACITOR	
				kW	HP					µF	Vc
KVC-KVCX 15/30 M	2	1x220-240 V ~	0.36	0.25	0.33	1.6	-	13.7	2800	14	450
KVC-KVCX 15/30 T		3x230-400 V ~	0.45	0.25	0.33	1.4-0.8	-	15.9-9.2	2800	-	-
KVC-KVCX 25/30 M	3	1x220-240 V ~	0.52	0.37	0.5	2.4	-	13.7	2800	14	450
KVC-KVCX 25/30 T		3x230-400 V ~	0.54	0.37	0.5	1.7-1.0	-	15.9-9.2	2800	-	-
KVC-KVCX 35/30 M	4	1x220-240 V ~	0.7	0.45	0.6	3.2	-	13.7	2800	14	450
KVC-KVCX 35/30 T		3x230-400 V ~	0.64	0.45	0.6	2.1-1.2	-	15.9-9.2	2800	-	-
KVC-KVCX 45/30 M	5	1x220-240 V ~	0.9	0.55	0.75	4	-	13.7	2800	14	450
KVC-KVCX 45/30 T		3x230-400 V ~	0.75	0.55	0.75	2.4-1.4	-	15.9-9.2	2800	-	-
KVC-KVCX 50/30 M	6	1x220-240 V ~	1.1	0.75	1	4.9	-	19.5	2800	16	450
KVC-KVCX 50/30 T		3x230-400 V ~	0.97	0.75	1	3.8-2.2	IE2	16	2800	-	-
KVC-KVCX 60/30 M	7	1x220-240 V ~	1.2	0.8	1.1	5.6	-	28	2800	20	450
KVC-KVCX 60/30 T		3x230-400 V ~	1.2	0.8	1.1	3.8-2.2	IE2	21.4-12.4	2800	-	-
KVC-KVCX 70/30 M	8	1x220-240 V ~	1.4	1	1.36	6.5	-	30	2800	25	450
KVC-KVCX 70/30 T		3x230-400 V ~	1.4	1	1.36	4.4-2.6	IE2	22.1-12.8	2800	-	-

MODEL	EXTERNAL DESIGN	A	B	F	H	H1	H2	Ø I	DNA	DNM	PACKING DIMENSIONS			VOLUME (m <sup>3</sup> )	WEIGHT kg	
											L/A	L/B	H		single-phase	three-phase
KVC 15/30	1	221	235	170	450	60	-	9	G 1" 1/4	G 1" 1/4	300	360	600	0.065	14	14
KVC 25/30	1	221	235	170	478	60	-	9	G 1" 1/4	G 1" 1/4	300	360	600	0.065	14.4	14.4
KVC 35/30	1	221	235	170	505	60	-	9	G 1" 1/4	G 1" 1/4	300	360	600	0.071	14	14
KVC 45/30	1	221	235	170	533	60	-	9	G 1" 1/4	G 1" 1/4	300	360	600	0.071	14.4	14.4
KVC 50/30	1	221	235	170	598	60	-	9	G 1" 1/4	G 1" 1/4	300	360	600	0.079	16.2	16.2
KVC 60/30	1	221	235	170	625	60	-	9	G 1" 1/4	G 1" 1/4	300	360	600	0.079	17.2	17.2
KVC 70/30	1	221	235	170	653	60	-	9	G 1" 1/4	G 1" 1/4	300	360	600	0.084	18.4	18.4
KVCX 15/30	1	221	235	170	450	60	184	9	G 1" 1/4	G 1" 1/4	300	360	600	0.065	14	14
KVCX 25/30	1	221	235	170	478	60	184	9	G 1" 1/4	G 1" 1/4	300	360	600	0.065	14.4	14.4
KVCX 35/30	1	221	235	170	505	60	239	9	G 1" 1/4	G 1" 1/4	300	360	600	0.071	14	14
KVCX 45/30	1	221	235	170	533	60	239	9	G 1" 1/4	G 1" 1/4	300	360	600	0.071	14.4	14.4
KVCX 50/30	1	221	235	170	598	60	332	9	G 1" 1/4	G 1" 1/4	300	360	600	0.079	16.2	16.2
KVCX 60/30	1	221	235	170	625	60	332	9	G 1" 1/4	G 1" 1/4	300	360	600	0.079	17.2	17.2
KVCX 70/30	1	221	235	170	653	60	359	9	G 1" 1/4	G 1" 1/4	300	360	600	0.084	18.4	18.4

# KVC / KVCX 50 - INTEGRAL SHAFT MULTISTAGE VERTICAL CENTRIFUGAL ELECTRIC PUMPS FOR CIVIL AND INDUSTRIAL PRESSURISATION SYSTEMS, PRESSURE UNITS

Pumped liquid temperature range: from 0 °C to +35 °C for domestic use - from 0 °C to +40 °C for the other uses



See hydraulic efficiency details on page 291.

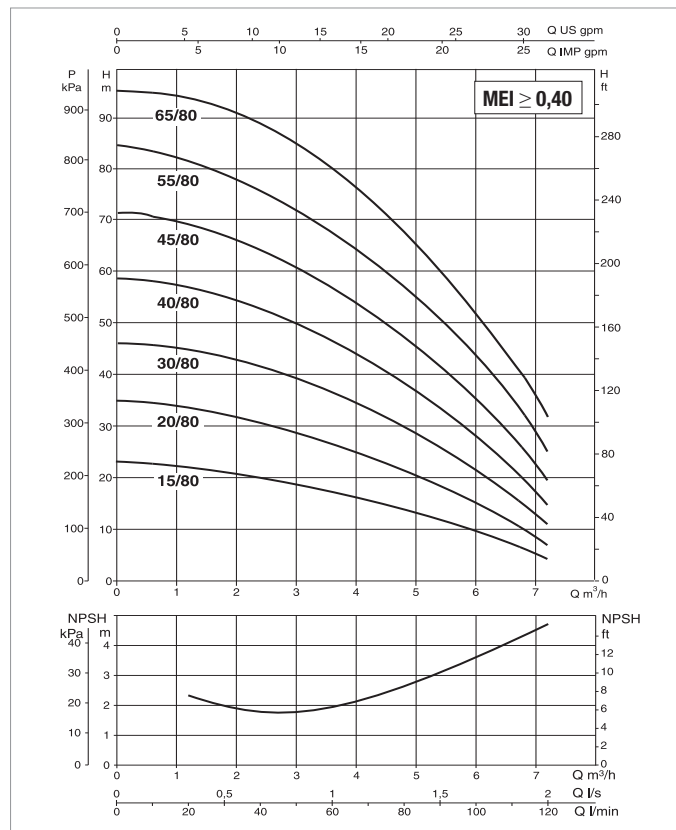
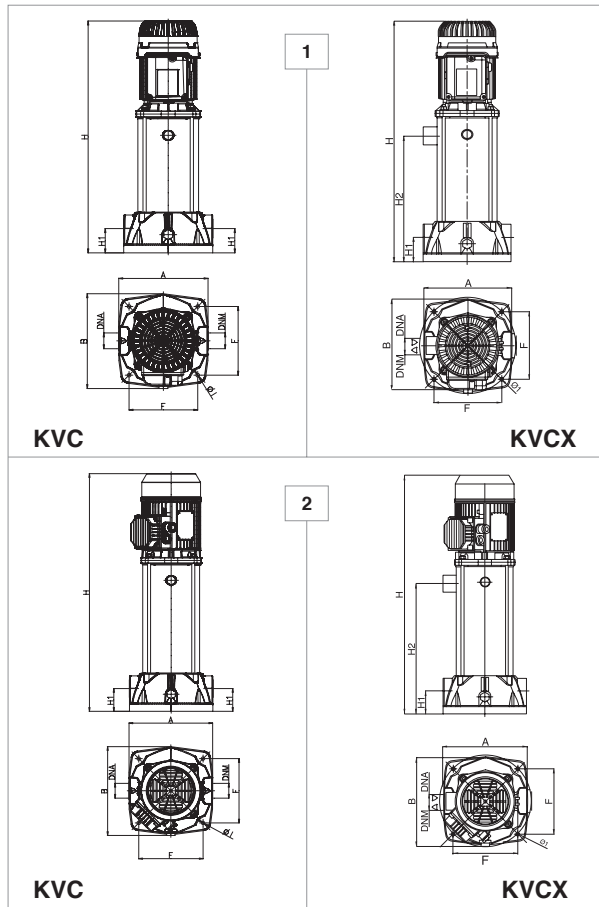
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	NO. OF IMPELLERS	POWER INPUT 50 Hz	P1 MAX kW	ELECTRICAL DATA							
				P2 NOMINAL		In A	MOTOR TYPE	I st. A	1/min.	CAPACITOR	
				kW	HP					µF	Vc
KVC-KVCX 20/50 M	2	1x220-240 V ~	0.55	0.37	0.5	2.5	-	13.7	2800	14	450
KVC-KVCX 20/50 T		3x230-400 V ~	0.54	0.37	0.5	1.7-1.0	-	15.9-9.2	2800	-	-
KVC-KVCX 30/50 M	3	1x220-240 V ~	0.9	0.55	0.75	4	-	13.7	2800	14	450
KVC-KVCX 30/50 T		3x230-400 V ~	0.75	0.55	0.75	2.4-1.4	-	15.9-9.2	2800	-	-
KVC-KVCX 40/50 M	4	1x220-240 V ~	1.2	0.8	1.1	5.6	-	28	2800	20	450
KVC-KVCX 40/50 T		3x230-400 V ~	1.2	0.8	1.1	3.8-2.2	IE2	21.4-12.4	2800	-	-
KVC-KVCX 55/50 M	5	1x220-240 V ~	1.4	1	1.36	6.4	-	30	2800	25	450
KVC-KVCX 55/50 T		3x230-400 V ~	1.4	1	1.36	4.4-2.6	IE2	22.1-12.8	2800	-	-
KVC-KVCX 65/50 M	6	1x220-240 V ~	1.7	1.1	1.5	7.4	-	29.2	2800	31.5	450
KVC-KVCX 65/50 T		3x230-400 V ~	1.7	1.1	1.5	7.4	IE2	21	2800	-	-
KVC-KVCX 75/50 M	7	1x220-240 V ~	2	1.5	2	9	-	38	2800	31.5	450
KVC-KVCX 75/50 T		3x230-400 V ~	1.9	1.5	2	7.7-4.3	IE2	22	2800	-	-

MODEL	EXTERNAL DESIGN	A	B	F	H	H1	H2	Ø I	DNA	DNM	PACKING DIMENSIONS			VOLUME (m³)	WEIGHT kg	
											L/A	L/B	H		single-phase	three-phase
KVC 20/50	1	221	235	170	450	60	-	9	G 1" 1/4	G 1" 1/4	300	360	600	0.065	13.5	13.5
KVC 30/50	1	221	235	170	478	60	-	9	G 1" 1/4	G 1" 1/4	300	360	600	0.065	13.7	13.7
KVC 40/50	1	221	235	170	505	60	-	9	G 1" 1/4	G 1" 1/4	300	360	656	0.071	15.8	15.8
KVC 55/50	1	221	235	170	533	60	-	9	G 1" 1/4	G 1" 1/4	300	360	656	0.071	17.0	17.0
KVC 65/50	2	221	235	170	600	60	-	9	G 1" 1/4	G 1" 1/4	300	360	735	0.079	20.2	19.8
KVC 75/50	2	221	235	170	627	60	-	9	G 1" 1/4	G 1" 1/4	300	360	735	0.079	21.2	20.6
KVCX 20/50	1	221	235	170	450	60	-	9	G 1" 1/4	G 1" 1/4	300	360	600	0.065	13.5	13.5
KVCX 30/50	1	221	235	170	478	60	184	9	G 1" 1/4	G 1" 1/4	300	360	600	0.065	13.7	13.7
KVCX 40/50	1	221	235	170	505	60	184	9	G 1" 1/4	G 1" 1/4	300	360	656	0.071	15.8	15.8
KVCX 55/50	1	221	235	170	533	60	239	9	G 1" 1/4	G 1" 1/4	300	360	656	0.071	17.0	17.0
KVCX 65/50	2	221	235	170	600	60	239	9	G 1" 1/4	G 1" 1/4	300	360	735	0.079	20.2	19.8
KVCX 75/50	2	221	235	170	627	60	332	9	G 1" 1/4	G 1" 1/4	300	360	735	0.079	21.2	20.6

# KVC / KVCX 80 - INTEGRAL SHAFT MULTISTAGE VERTICAL CENTRIFUGAL ELECTRIC PUMPS FOR CIVIL AND INDUSTRIAL PRESSURISATION SYSTEMS, PRESSURE UNITS

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See hydraulic efficiency details on page 291.

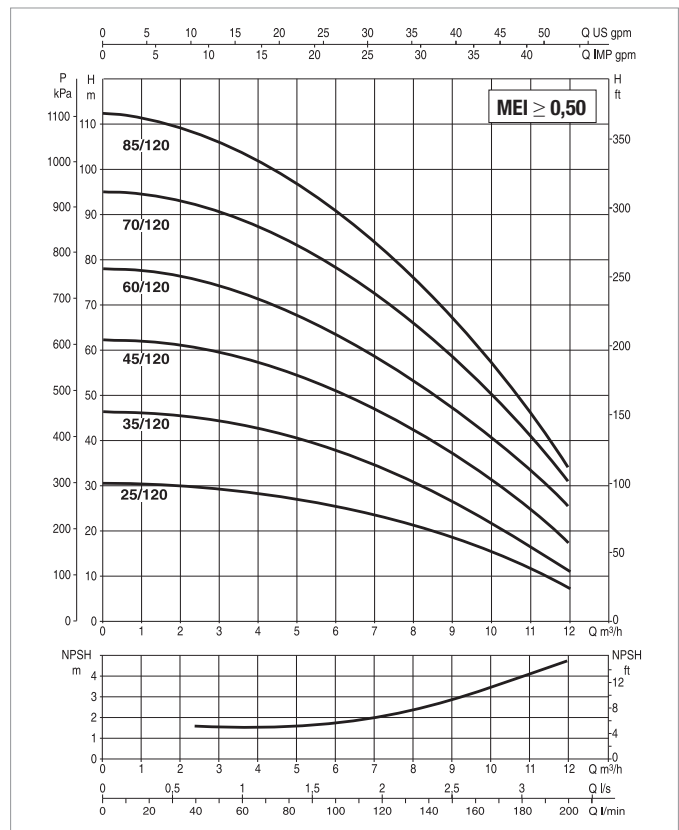
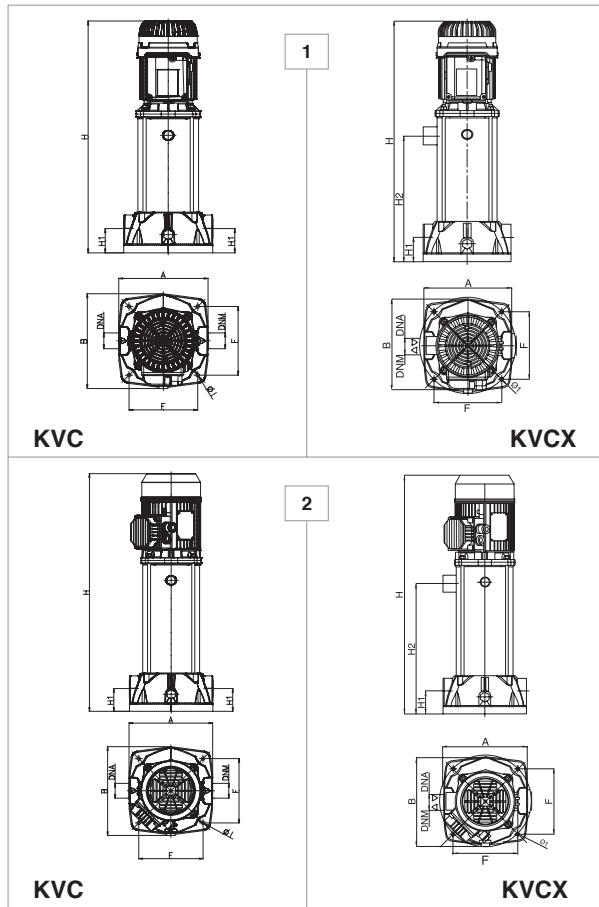
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	No. IMPELLERS	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	MOTOR TYPE	I st. A	1/min.	CAPACITOR	
				kW	HP					µF	Vc
KVC-KVCX 15/80 M	2	1x220-240 V ~	0.55	0.37	0.5	2.5	-	13.7	2800	14	450
KVC-KVCX 15/80 T		3x230-400 V ~	0.54	0.37	0.5	1.7-1.0	-	15.9-9.2	2800	-	-
KVC-KVCX 20/80 M	3	1x220-240 V ~	0.9	0.55	0.75	4.1	-	13.7	2800	14	450
KVC-KVCX 20/80 T		3x230-400 V ~	0.75	0.55	0.75	2.4-1.4	-	15.9-9.2	2800	-	-
KVC-KVCX 30/80 M	4	1x220-240 V ~	1.2	0.8	1.1	5.6	-	28	2800	20	450
KVC-KVCX 30/80 T		3x230-400 V ~	1.2	0.8	1.1	3.8-2.2	IE2	21.4-12.4	2800	-	-
KVC-KVCX 40/80 M	5	1x220-240 V ~	1.4	1	1.36	6.5	-	30	2800	25	450
KVC-KVCX 40/80 T		3x230-400 V ~	1.4	1	1.36	4.4-2.6	IE2	22.1-12.8	2800	-	-
KVC-KVCX 45/80 M	6	1x220-240 V ~	1.7	1.1	1.5	7.4	-	29.2	2800	31.5	450
KVC-KVCX 45/80 T		3x230-400 V ~	1.7	1.1	1.5	5.4-3.1	IE2	31.1-18.0	2800	-	-
KVC-KVCX 55/80 M	7	1x220-240 V ~	2	1.5	2	9	-	38	2800	31.5	450
KVC-KVCX 55/80 T		3x230-400 V ~	1.9	1.5	2	6.2-3.6	IE2	37.5-21.7	2800	-	-
KVC-KVCX 65/80 T	8	3x230-400 V ~	2.2	2.2	3	8-4.6	IE2	32	2800	-	-

MODEL	EXTERNAL DESIGN	A	B	F	H	H1	H2	Ø I	DNA	DNM	PACKING DIMENSIONS			VOLUME (m³)	WEIGHT kg	
											L/A	L/B	H		single-phase	three-phase
KVC 15/80	1	221	235	170	450	60	-	9	G 1" 1/4	G 1" 1/4	300	360	600	0.065	13.5	13.5
KVC 20/80	1	221	235	170	478	60	-	9	G 1" 1/4	G 1" 1/4	300	360	600	0.065	13.7	13.7
KVC 30/80	1	221	235	170	505	60	-	9	G 1" 1/4	G 1" 1/4	300	360	656	0.071	15.7	15.5
KVC 40/80	1	221	235	170	533	60	-	9	G 1" 1/4	G 1" 1/4	300	360	656	0.071	17.0	17.0
KVC 45/80	2	221	235	170	600	60	-	9	G 1" 1/4	G 1" 1/4	300	360	735	0.079	20.1	20.2
KVC 55/80	2	221	235	170	627	60	-	9	G 1" 1/4	G 1" 1/4	300	360	735	0.079	21.2	20.0
KVC 65/80	2	221	235	170	655	60	-	9	G 1" 1/4	G 1" 1/4	300	360	760	0.082	-	21.6
KVCX 15/80	1	221	235	170	450	60	184	9	G 1" 1/4	G 1" 1/4	300	360	600	0.065	13.5	13.5
KVCX 20/80	1	221	235	170	478	60	184	9	G 1" 1/4	G 1" 1/4	300	360	600	0.065	13.7	13.7
KVCX 30/80	1	221	235	170	505	60	239	9	G 1" 1/4	G 1" 1/4	300	360	656	0.071	15.7	15.5
KVCX 40/80	1	221	235	170	533	60	239	9	G 1" 1/4	G 1" 1/4	300	360	656	0.071	17.0	17.0
KVCX 45/80	2	221	235	170	600	60	332	9	G 1" 1/4	G 1" 1/4	300	360	735	0.079	20.1	20.2
KVCX 55/80	2	221	235	170	627	60	332	9	G 1" 1/4	G 1" 1/4	300	360	735	0.079	21.2	20.0
KVCX 65/80	2	221	235	170	655	60	359	9	G 1" 1/4	G 1" 1/4	300	360	760	0.082	-	21.6

# KVC / KVCX 120 - INTEGRAL SHAFT MULTISTAGE VERTICAL CENTRIFUGAL ELECTRIC PUMPS FOR CIVIL AND INDUSTRIAL PRESSURISATION SYSTEMS, PRESSURE UNITS

Pumped liquid temperature range: from 0 °C to +35 °C for domestic use - from 0 °C to +40 °C for the other uses



See hydraulic efficiency details on page 291.

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

MODEL	NO. OF IMPELLERS	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	MOTOR TYPE	I st. A	1/min.	CAPACITOR	
				kW	HP					µF	Vc
KVC-KVCX 25/120 M	2	1x220-240 V ~	1.5	1	1.36	6.5	-	30	2800	25	450
KVC-KVCX 25/120 T		3x230-400 V ~	1.5	1	1.36	5-2.9	IE2	22.1-12.8	2800	-	-
KVC-KVCX 35/120 M	3	1x220-240 V ~	1.9	1.1	1.5	7.4	-	30	2800	31.5	450
KVC-KVCX 35/120 T		3x230-400 V ~	1.9	1.1	1.5	6-3.5	IE2	31.1-18	2800	-	-
KVC-KVCX 45/120 M	4	1x220-240 V ~	2.6	1.85	2.5	12	-	54	2800	40	450
KVC-KVCX 45/120 T		3x230-400 V ~	2.5	1.85	2.5	7.9-4.6	IE2	48.4-28	2800	-	-
KVC-KVCX 60/120 T	5	3x230-400 V ~	3.1	2.2	3	9.3-5.4	IE2	53-31	2800	-	-
KVC-KVCX 70/120 T	6	3x230-400 V ~	3.8	3	4	11.8-6.8	IE2	78-45	2800	-	-
KVC-KVCX 85/120 T	7	3x230-400 V ~	4.3	3	4	13.5-7.8	IE2	90-53	2800	-	-

MODEL	EXTERNAL DESIGN	A	B	F	H	H1	H2	Ø I	DNA	DNM	PACKING DIMENSIONS			VOLUME (m³)	WEIGHT kg	
											L/A	L/B	H		single-phase	three-phase
KVC 25/120 *	1	221	235	170	450	60	-	9	G 1" 1/4	G 1" 1/4	300	360	585	0.058	17.0	17.1
KVC 35/120 *	2	221	235	170	480	60	-	9	G 1" 1/4	G 1" 1/4	300	360	585	0.061	20.1	20.2
KVC 45/120 *	2	221	235	170	507	60	-	9	G 1" 1/4	G 1" 1/4	300	360	715	0.064	20.2	21.9
KVC 60/120	2	221	235	170	610	60	-	9	G 1" 1/4	G 1" 1/4	300	360	715	0.067	-	21.6
KVC 70/120	2	221	235	170	675	60	-	9	G 1" 1/4	G 1" 1/4	300	360	810	0.074	-	24.0
KVC 85/120	2	221	235	170	702	60	-	9	G 1" 1/4	G 1" 1/4	300	360	810	0.077	-	25.0
KVCX 25/120 *	1	221	235	170	450	60	184	9	G 1" 1/4	G 1" 1/4	300	360	585	0.061	17.0	17.1
KVCX 35/120 *	2	221	235	170	480	60	184	9	G 1" 1/4	G 1" 1/4	300	360	585	0.061	20.1	20.2
KVCX 45/120 *	2	221	235	170	507	60	239	9	G 1" 1/4	G 1" 1/4	300	360	715	0.067	20.2	21.9
KVCX 60/120	2	221	235	170	610	60	239	9	G 1" 1/4	G 1" 1/4	300	360	715	0.065	-	21.6
KVCX 70/120	2	221	235	170	675	60	332	9	G 1" 1/4	G 1" 1/4	300	360	810	0.076	-	24.0
KVCX 85/120	2	221	235	170	702	60	332	9	G 1" 1/4	G 1" 1/4	300	360	810	0.076	-	25.0

\* H only valid for the three-phase version