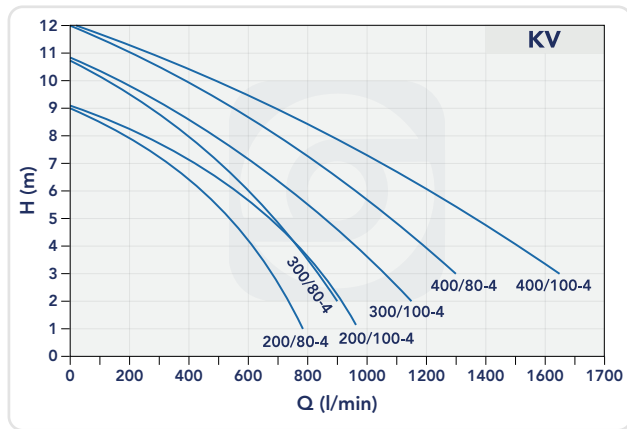




KV Series - 4 poles

Submersible sewage pump



Description

- Submersible sewage pump that finds extensive use in the industrial, agricultural and civil sectors for the draining of clean waters, dirty waters containing suspended matters, filamentous matters, and activated or untreated muds.
- The impeller is a vortex type
- The components have been precisely selected for maximum reliability and long service life even in the toughest applications.
- **Not suitable for pumping combustible fluids.** It is also forbidden to position or to remove the pump by means of the electric cable.

Materials

Pump casing	GG-20 cast iron
Impeller	GG-20 cast iron
Motor casing	GG-20 cast iron
Motor-pump shaft	420 SS
Mechanical seal	- Upper: alumina/graphite - Intermediate: SiC + lip seal
Gaskets	Nitrile rubber

Technical data

Motor	Three-phase
Tension	Three-phase 230/400 V $\pm$ 5%
Poles	4
Level of protection	IP68
Insulation	F Class

Usage limits

Range of flow rates	Up to 1650 l/min depending on the model
Range of pressures	Up to 1,1 bar depending on the model
Max. Working pressure	4 bar
Max. Working temperature (continuous duty)	40°C

Max. Working temperature (intermittent duty)	80°C
Minimum pumping level	20 cm above the pump casing
Maximum fluid density	Not exceeding 1100 kg/m ³



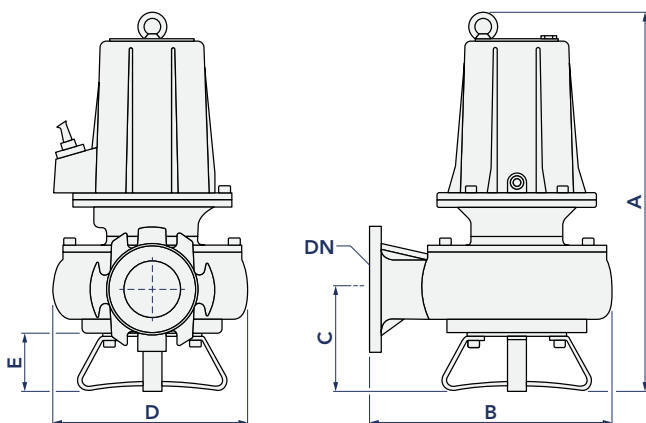
Main characteristics

Model	Power		Consumption (A)		RPM	Section of cable	Cable extension	Solid parts
	CV	kW	Three-phase			mm	m	mm
			230V	400V				
KV 200/80-4 T	2	1,5	5,5	3,6	1450	5x1,5	10	Ø79
KV 300/80-4 T	3	2,2	8,5	4,9	1450	5x1,5	10	Ø79
KV 400/80-4 T	4	3	11	6,5	1450	5x1,5	10	Ø79
KV 200/100-4 T	2	1,5	5,5	3,6	1450	5x1,5	10	Ø79
KV 200/100-4 T	3	2,2	8,5	4,9	1450	5x1,5	10	Ø79
KV 200/100-4 T	4	3	11	6,5	1450	5x1,5	10	Ø79

Operating features

Model			Height										
			1 m	2	3	4	5	6	7	8	9	10	11
			0,1 bar	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1	1,1
KV 200/80-4 T	Flow	m³/h	47,1	43,5	41,7	37,8	31,5	25,8	18	10,2			
		l/min	785	725	695	630	525	430	300	170			
KV 300/80-4 T		m³/h		54	51,6	46,8	42	36	29,4	21,6	14,4	6	
		l/min		900	860	780	700	600	490	360	240	100	
KV 400/80-4 T		m³/h			78	72	66	57	51	42	33	21	12
		l/min			1300	1200	1100	950	850	700	550	350	200
KV 200/100-4 T		m³/h	58,2	56,4	51,6	45	39	33	24	15			
		l/min	970	940	860	750	650	550	400	250			
KV 300/100-4 T		m³/h		69	63	57	51,9	44,1	35,4	28,8	16,8	8,4	
		l/min		1150	1050	950	865	735	590	480	280	140	
KV 400/100-4 T		m³/h			99	93	81	75	63	51	39,9	29,7	15,3
		l/min			1650	1550	1350	1250	1050	850	665	495	255

Dimensions



Model	Pump dimensions						Weight
	DN	A	B	C	D	E	kg
KV 200/80-4 T	80	604	382	161	316,5	87	58
KV 300/80-4 T	80	604	382	161	316,5	87	63
KV 400/80-4 T	80	604	382	161	316,5	87	68
KV 200/100-4 T	100	604	382	161	316,5	87	59
KV 300/100-4 T	100	604	382	161	316,5	87	64
KV 400/100-4 T	100	604	382	161	316,5	87	69