



## K TWIN IMPELLERS

### TWIN IMPELLERS CENTRIFUGAL PUMPS



### DOMESTIC, CIVIL AND INDUSTRIAL WATER SUPPLY



K 35/40 M



K 70/300 T

Twin impeller centrifugal pump designed for use in pressurisation units for water supply systems for domestic, civil and industrial use. Suitable for sprinkling irrigation and other water supply applications. Cast iron pump body and motor support. Technopolymer impeller. Stainless steel driving shaft. Carbon/ceramic mechanical seal. Asynchronous, closed motor, cooled by external ventilation.

Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

**Operating range:** from 1.2 to 30 m<sup>3</sup>/h with head up to 97 metres.

**Pumped liquid characteristics:** clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral and close to the characteristics of water.

#### Liquid temperature range:

from -10°C to +50°C: for K 35/40, K 45/50, K 35/100, K 40/100, K 55/100

from -15°C to +110°C: for K 55/50, K 66/100, K 90/100, K 70/300, K 80/300, K 70/400, K 80/400.

#### Maximum operating range:

K 35/40, K 35/100, K 40/100: **6 bar (600 kPa)**

K 45/50, K 55/50: **8 bar (800 kPa)**

K 55/100, K 66/100: **10 bar (1000 kPa)**

K 90/100, K 70/300, K 80/300 K 70/400, K 80/400:

**12 bar (1200 kPa).**

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

**Protection level:** IP 44

**Terminal board protection level:** IP 55

**Insulation class:** F

## K - TWIN IMPELLERS CENTRIFUGAL

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA													DNA	DNM	KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW HP		In A	MOTOR TYPE	Q=m <sup>3</sup> /h Q=l/min	0	1,2	1,8	2,4	3,6	4,8	6	7,2	9	9,6	10,8					
K 35/40 M	102120004	1 x 220 - 240 V ~	1,2	0,75	1	5,5	-	43,5	41,5	40	38	33	23,5							1" G	1" G	15,9	27	
K 35/40 M-P**	102122004	1 x 220 - 240 V ~	1,2	0,75	1	5,5	-	43,5	41,5	40	38	33	23,5							1" G	1" G	16,7	14	
K 35/40 T	60145196	3 x 230 - 400 V ~	1,2	0,75	1	3,8-2,2	IE2	43,5	41,5	40	38	33	23,5							1" G	1" G	15	27	
K 35/40 T	60179870	3 x 230 - 400 V ~	1,2	0,75	1	3,8-2,2	IE3	43,5	41,5	40	38	33	23,5							1" G	1" G	15	27	
K 45/50 M	102120022	1 x 220 - 240 V ~	1,86	1,1	1,5	8,3	-	51	49	47,5	46	42	37	30						1 1/4" G	1" G	23,3	21	
K 45/50 M-P**	102122022	1 x 220 - 240 V ~	1,86	1,1	1,5	8,3	-	51	49	47,5	46	42	37	30						1 1/4" G	1" G	24	21	
K 45/50 T	60145774	3 x 230 - 400 V ~	1,96	1,1	1,5	7,2-4	IE2	51	49	47,5	46	42	37	30						1 1/4" G	1" G	22,5	21	
K 45/50 T	60179854	3 x 230 - 400 V ~	1,96	1,1	1,5	7,2-4	IE3	51	49	47,5	46	42	37	30						1 1/4" G	1" G	22,5	21	
K 55/50 M	102120162	1 x 220 - 240 V ~	2,7	1,85	2,5	12,8	-	62	60	58	57	52	45	34						1 1/2" G	1" G	27,2	18	
K 55/50 T	60145840	3 x 230 - 400 V ~	2,5	1,85	2,5	8,4-4,8	IE2	62	60	58	57	52	45	34						1 1/2" G	1" G	23,9	21	
K 55/50 T	60179852	3 x 230 - 400 V ~	2,5	1,85	2,5	8,4-4,8	IE3	62	60	58	57	52	45	34						1 1/2" G	1" G	23,9	21	
K 35/100 M	102121002	1 x 220 - 240 V ~	1,56	1,1	1,5	7,1	-	38,5			37,5	36,5	35	32	28,5	18,5	17,5			1 1/2" G	1" G	22	21	
K 35/100 T	60145775	3 x 230 - 400 V ~	1,65	1,1	1,5	6,5-3,5	IE2	38,5			37,5	36,5	35	32	28,5	18,5	17,5			1 1/2" G	1" G	21	21	
K 35/100 T	60179877	3 x 230 - 400 V ~	1,65	1,1	1,5	6,5-3,5	IE3	38,5			37,5	36,5	35	32	28,5	18,5	17,5			1 1/2" G	1" G	21	21	
K 40/100 M	102121032	1 x 220 - 240 V ~	2	1,85	2,5	9	-	44			43,4	42,5	41	39	35,7	29	26	18,5		1 1/2" G	1" G	25,9	18	
K 40/100 T	60145841	3 x 230 - 400 V ~	2	1,85	2,5	7-4	IE2	44			43,4	42,5	41	39	35,7	29	26	18,5		1 1/2" G	1" G	22	21	
K 40/100 T	60179869	3 x 230 - 400 V ~	2	1,85	2,5	7-4	IE3	44			43,4	42,5	41	39	35,7	29	26	18,5		1 1/2" G	1" G	22	21	

<sup>1</sup> Star (Δ) starting is possible

Counterflanges included where required

\*\* Pump equipped with pressure gauge, pressure switch, power cable with plug and five-way fitting to use for connecting to a tank.

