



# KPA

## SELF-PRIMING PERIPHERAL PUMPS

### DOMESTIC WATER SUPPLY



Self-priming peripheral pump with star impeller, with a great suction capacity. Cast iron body with brass ring. Motor support and impeller in brass to avoid the risk of blocking. Driving shaft in stainless steel. 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 8 to 45 l/min. with head up to 53 metres.  
**Liquid temperature range:** from -10°C to +80°C from 0°C to +35°C for domestic use.  
**Pumped liquid characteristics:** clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.  
**Maximum ambient temperature:** +40°C  
**Maximum working pressure:** 10 bar (1000 kPa).  
**Protection level:** IP 44 (IP 55 terminal board protection).  
**Insulation class:** F

## TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNA	DNM	Weight Kg	Q.TY x PALLET		
		VOLTAGE 50 Hz	P1 MAX kW		P2 NOMINAL kW		In A	MOTOR TYPE	Q=m³h	0	0,3	0,6	0,9	1,2					1,8	2,4
			Q=l/min	0	5	10			15	20	30	40								
KPA 40/20 M	101120000	1 x 230 V ~	1,1	0,75	1	5,1	-	H (m)	53	51	48	43	38	27	16	1°G	1°G	12,40	39	
KPA 40/20 T	60145185	3 x 230 - 400 V ~	1	0,75	1	3,5-2,1	IE2		53	51	48	43	38	27	16	1°G	1°G	12,40	39	
KPA 40/20 T	60180169	3 x 230 - 400 V ~	1	0,75	1	3,5-2,1	IE3		53	51	48	43	38	27	16	1°G	1°G	12,40	39	

# KPS - KPF - KP

## PERIPHERAL PUMPS

### DOMESTIC WATER SUPPLY



Peripheral centrifugal pump, reduced encumbrance, able to generate high heads, it is suitable for domestic use and small industrial uses. Pump body and motor support in brass for the KP 60 version, in cast iron for the KPS 30 and KP 38 versions. Brass impeller. Mechanical seal in carbon/ceramic. 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 to 50 l/min. with head up to 107 metres.  
**Liquid temperature range:** from 0°C to +35°C for domestic use. from -10°C to +50°C for other uses.  
**Pumped liquid characteristics:** clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.  
**Maximum ambient temperature:** +40°C  
**Maximum working pressure:** 10 bar (6 bar for KPS-KPF 30/16).  
**Protection level:** IP 44  
**Insulation class:** F

## TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNA	DNM	WEIGHT Kg	Q.TY x PALLET		
		VOLTAGE 50 Hz	P1 MAX kW		P2 NOMINAL kW		In A	MOTOR TYPE	Q=m³h	0	0,3	0,6	0,9	1,2					1,8	2,4
			Q=l/min	0	5	10			15	20	30	40								
KPF 30/16 M	101110400	1 x 230 V ~	0,53	0,37	0,5	2,37	-	H (m)	32,5	31	25	22	17,5	10		1°G	1°G	5,3	110	
KPF 30/16 T	101110410	3 x 230 - 400 V ~	0,47	0,37	0,5	1,45-0,82	-		32,5	31	25	22	17,5	10		1°G	1°G	5,3	110	
KPS 30/16 M	101110024	1 x 230 V ~	0,47	0,37	0,5	2	-		32,5	31	25	22	17,5	10		1°G	1°G	5,4	120	
KPS 30/16 T	101110014	3 x 230 - 400 V ~	0,47	0,37	0,5	1,4-0,8	-		32,5	31	25	22	17,5	10		1°G	1°G	5,4	120	
KPS 30/16 M-P	101112224	1 x 230 V ~	0,47	0,37	0,5	2	-		32,5	31	25	22	17,5	10		1°G	1°G	5,4	36	
KP 38/18 M	101110060	1 x 230 V ~	0,89	0,6	0,8	4	-		54	50	46	41	36	27,5	17,5		1°G	1°G	7,5	68
KP 38/18 T	101110050	3 x 230 - 400 V ~	0,86	0,6	0,8	2,9-1,7	-		54	50	46	41	36	27,5	17,5		1°G	1°G	7,5	68
KPF 45/20 M	60141934	1 x 230 V ~	1,5	1,0	1,34	5,9	-		84	76	68	62	56	38	24		1°G	1°G	9,0	39
KPF 45/20 T	60145268	3 x 230 - 400 V ~	1,4	1,0	1,34	-	IE2		84	76	68	62	56	38	24		1°G	1°G	9,0	39
KPF 45/20 T	60179405	3 x 230 - 400 V ~	1,4	1,0	1,34	-	IE3		84	76	68	62	56	38	24		1°G	1°G	9,0	39

<sup>1</sup> KPS-fitted Pump fitted with a pressure gauge, pressure switch, power supply cable with plug and five-way fitting for connection to a tank.




**DOMESTIC WATER SUPPLY**


Pump body, motor support and impeller in brass. Carbon/ceramic mechanical seal. Stainless steel motor shaft. Asynchronous, closed motor cooled by external ventilation.

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

Motor overload cut out equipped as standard in the single-phase version. Overload protection to be provided by the user for the three-phase version. Permanently connected capacitor for the single-phase version.

Construction to CEI 2-3 and CEI 61-69 (EN 60335-2-41)

**Protection rating:** IP 44

**Insulation class:** F

**Standard voltage:** 1x230V 50Hz single-phase

3x230-400V 50Hz three-phase

**Operating range:** from 1 to 35 l/min with head up to 107 meters.

**Pumped liquid:** clean, free from solids or abrasive substances, not aggressive.

**Liquid temperature range:**

- from 0°C to +35°C for domestic use (EN 60335-2-41)  
- from -10°C to +80°C for other uses.

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

**Maximum working pressure:** 10 bar (1000 kPa).

**Installation:** fixed in horizontal position.

**TECHNICAL DATA**

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA	DNM	WEIGHT Kg	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	MOTOR TYPE	Q=m <sup>3</sup> h Q=l/min	0	0,3	0,6	0,9	1,2	1,8	2,4					
KP 60/6 M	101110280	1 x 230 V ~	0,54	0,37	0,5	2,4	-	H (m)	87	57	33	13					½" G	½" G	8,2	39
KP 60/6 T	101110290	3 x 230 - 400 V ~	0,52	0,37	0,5	1,8-1	-		87	57	33	13					½" G	½" G	7,9	39
KP 60/12 M	101110320	1 x 230 V ~	1,15	0,75	1	5,2	-		107	91	74	58	43	17			¾" G	¾" G	10,1	39
KP 60/12 T	60145184	3 x 230 - 400 V ~	1,12	0,75	1	3,8-2,2	IE2		107	91	74	58	43	17			¾" G	¾" G	9,90	39
KP 60/12 T	60180170	3 x 230 - 400 V ~	1,12	0,75	1	3,8-2,2	IE3		107	91	74	58	43	17			¾" G	¾" G	9,90	39