APPLICATIONS

The Unilift KP pump is designed for liquid transfer and drainage of clean or slightly dirty waste water with the pump completely or partly submerged in the liquid.

- Drainage of cellars or buildings.
- Pumping of domestic waste water.
- Groundwater lowering.
- Drainage in places prone to floating.
- Emptying applications, eg. in pools, tanks and vessels.
- Dewatering of construction sites and excavations.
- Pumping application within agriculture, dairy industry, horticulture and process industry.

PUMP LIQUIDS

The pump is suitable for the pumping of:

- Clean, non-aggressive water.
- Slightly dirty (grey) waste water.

If the pump has been used for liquids other than clean water, it should be flushed through with clean water immediately after use.

The open impeller construction ensures a free passage of solids up to a diameter of 10mm.

TECHNICAL DATA

Min. liquid level : Manual operation: 14mm, automatic operation: 100mm.

Installation depth : Max. 10m below liquid level.

Min. liquid temperature : 0°C

Max. liquid temperature at continuous operation : 45°C - 55°C (During continuous operation the suction strainer must always be completely covered by the liquid)

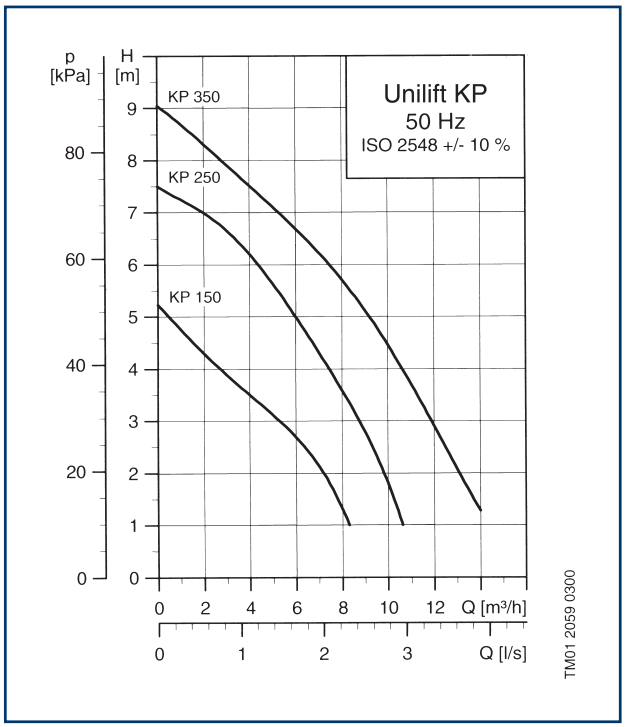
Max. liquid temperature : 70°C (for periods not exceeding 2 minutes at intervals of at least 30 minutes)

Enclosure class : IP68

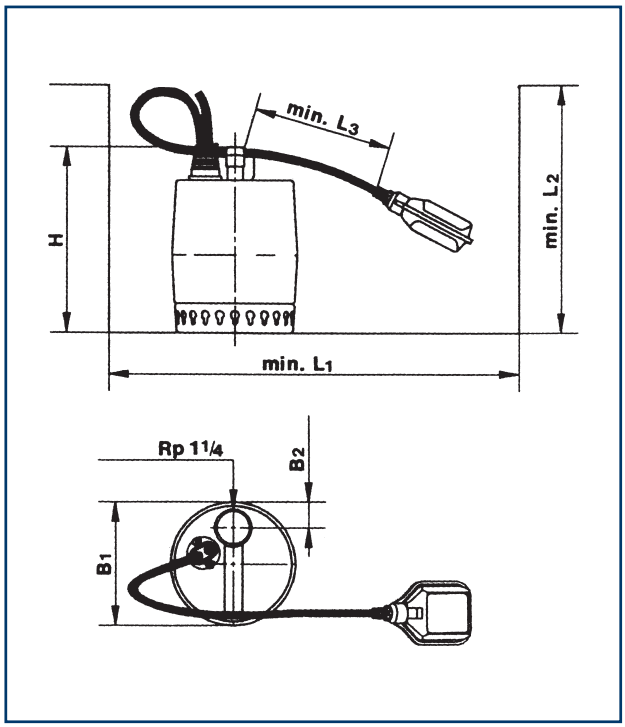
Installation class : F

Components	Materials	DIN W.-nr.	AISI
Outer casing	Stainless steel	1.4301	304
Pump housing	Stainless steel	1.4301	304
Suction Strainer	Stainless steel	1.4301	304
Impeller	Stainless steel	1.4301	304
Shaft	Stainless steel	1.4057	431
Stator housing	Stainless steel	1.4301	304
Guide vanes	Stainless steel	1.4301	304
Bearings	Carbon	-	-
O-rings Seal Rings	NBR	-	-
Cables	H 07 RN-F	-	-

UNILIFT KP



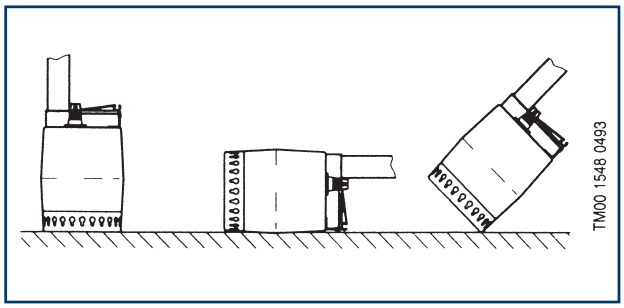
DIMENSIONAL SKETCH



INSTALLATION AND OPERATION

The pump can be used in vertical position with the discharge port uppermost or in horizontal or tilted position with the discharge port as the highest point of the pump.

During operation the suction strainer must always be completely covered by the liquid.



The Unilift KP pump is well-suited for permanent installation. A level switch, which gives impulses to start/stop between two levels of liquid, is connected to pumps intended for automatic operation. This type of installation requires a non-return valve in the discharge pipe.

A clamp on the handle of the pump holds the cable of the level switch. The difference in level between start and stop can be adjusted by changing the free cable length between the handle of the pump and the level switch.

Pump Type	Voltage	P_1 (W)	I_n (A)	Dimensions (mm)						Weight (kg)
				H	B1	B2	L1	L2	L3	
Unilift KP 150	1 x 220 - 230 V	300	1.3	225	149	31	350	400	70	6.3
Unilift KP 150	1 x 220 - 240 V	300	1.3	225	149	31	350	400	70	6.3
Unilift KP 250	1 x 220 - 230 V	480	2.3	225	149	31	350	400	70	7.2
Unilift KP 250	1 x 230 - 240 V	480	2.2	225	149	31	350	400	70	7.2
Unilift KP 250	3 x 380 - 415 V	480	0.8	225	149	31	350	400	70	7.2
Unilift KP 350	1 x 220 - 240 V	700	3.2	235	149	31	350	410	70	8.0
Unilift KP 350	3 x 380 - 400 V	700	1.3	235	149	31	350	410	70	8.0