

Submittal Data



Note! Product picture may differ from actual product

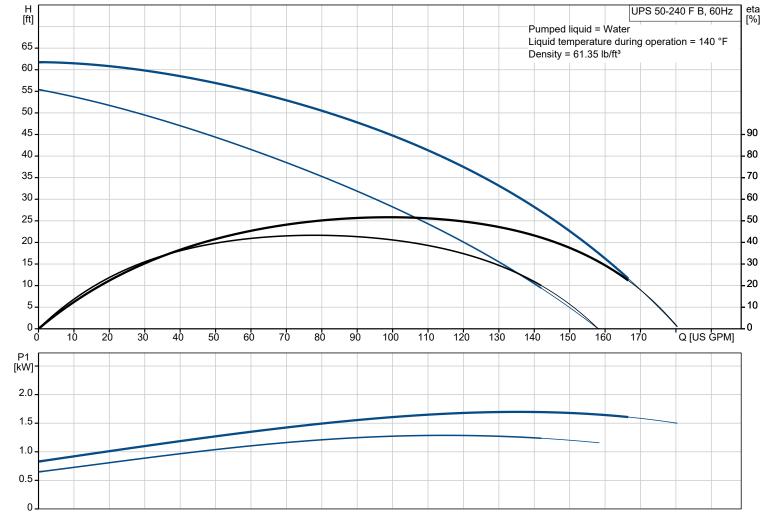
UPS 50-240 F B

UPS B is a three-speed circulator pump with a corrosion-resistant bronze pump housing designed for hot-water recirculation. The pump provides reliable and maintenance-free operation.

Conditions of Service		Pump Data	
Liquid:	Water	Maximum operating pressure:	145.0
Temperature:	140 °F	Liquid temperature range:	14
Specific Gravity:	0.985	Maximum ambient temperature:	104 '
		Approvals:	CUL
		Type of connection:	F
		Flange standard:	USA
		D:	05.5

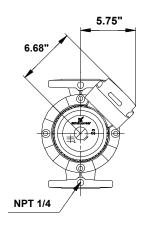
Tamp Bata	
Maximum operating pressure:	145.04 psi
Liquid temperature range:	14 248 °F
Maximum ambient temperature:	104 °F
Approvals:	CUL
Type of connection:	F
Flange standard:	USA
Pipe connection:	GF 50
Product number:	96402886

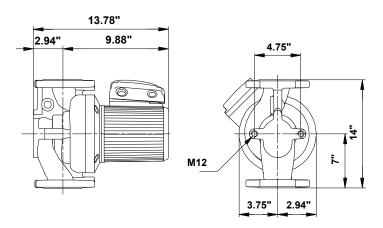
Motor Data				
Max. power input:	1700 W			
Rated voltage:	460 V			
Mains frequency:	60 Hz			
Enclosure class:	X4D			
Insulation class:	Н			
Motor protection:	CONTACT			
Thermal protection:	external			

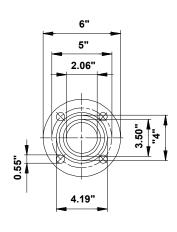




Submittal Data







172 163a 163e 163e

Materials:

Pump housing: Bronze

Pump housing: DIN W.-Nr. 2.1176.01 Impeller: Stainless steel Impeller: DIN W.-Nr. 1.4301

Impeller: AISI 304



Company name: Hurley Engineering

Created by: Phone:

Date: 05/12/2022

Qty. | Description

1 UPS 50-240 F B

Product No.: 96402886

The pump is of the canned rotor type, i.e. pump and motor form an integral unit without shaft seal and with only two gaskets for sealing.

The bearings are lubricated by the pumped liquid.

In order to avoid problems in connection with disposal, great importance has been attached to using as few different materials as possible.

The pump is characterized by:

- * 2 speed motor.
- * Ceramic radial bearings.
- * Carbon axial bearing.
- * Stainless steel rotor can, bearing plate

and rotor cladding.

- * Aluminium alloy stator housing.
- * Bronze pump housing.
- * Stator with built-in thermal switch.

The motor is a 3-phase motor.

The pump is supplied with a standard module in the terminal box.

The standard module is to be connected to the mains supply via external contactor.

Controls:

Relay: without relay

Liquid:

Pumped liquid: Water
Liquid temperature range: 14 .. 248 °F
Selected liquid temperature: 140 °F
Density: 61.35 lb/ft³

Technical:

Approvals: CUL

Materials:

Pump housing: Bronze

DIN W.-Nr. 2.1176.01

Impeller: Stainless steel

DIN W.-Nr. 1.4301

AISI 304

Installation:

Range of ambient temperature: 32 .. 104 °F
Maximum operating pressure: 145.04 psi
Flange standard: USA
Type of connection: F
Pipe connection: GF 50
Pressure rating: 145 psi
Port-to-port length: 14 in

Electrical data:

Power input in speed 2: 1300 W Max. power input: 1700 W Mains frequency: 60 Hz Rated voltage: 3 x 460 V Current in speed 2: 1.98 A Current in speed 3: 2.65 A Cos phi in speed 2: 0.83 Cos phi: 0.81



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Qty.Description1Enclosure class (IEC 34-5):X4D

Insulation class (IEC 85):

Winding resistance: 15.6 - 20.6 ohm

Others:

 $\begin{array}{lll} \text{Net weight:} & 68.8 \text{ lb} \\ \text{Gross weight:} & 74.7 \text{ lb} \\ \text{Shipping volume:} & 3.46 \text{ ft}^3 \\ \end{array}$

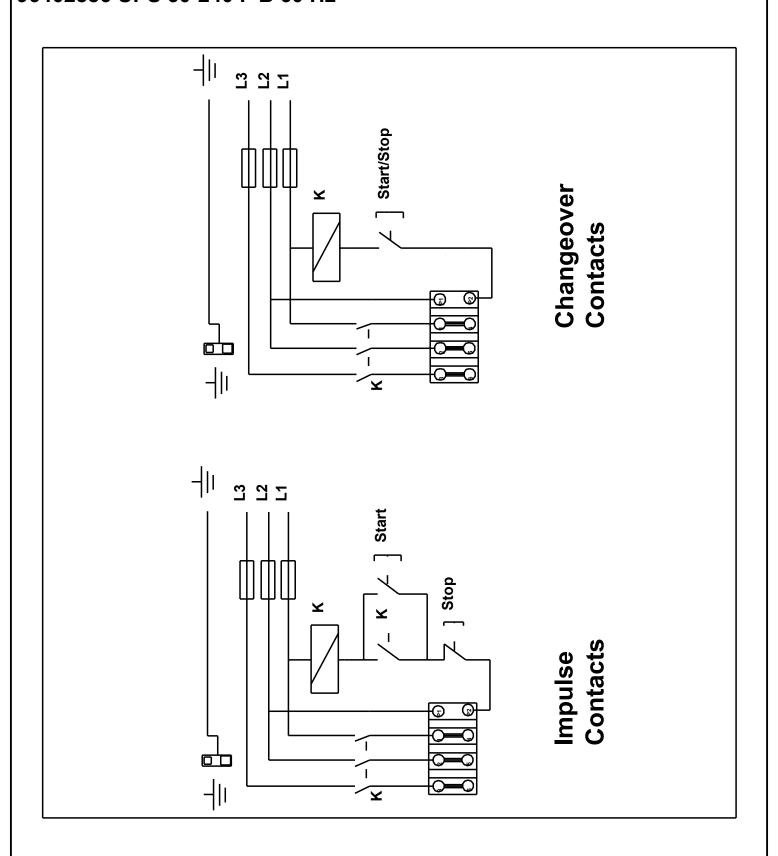


Company name: Hurley Engineering

Created by: Phone:

Date: 05/12/2022

96402886 UPS 50-240 F B 60 Hz



Note! All units are in [in] unless others are stated.