

## **Submittal Data**

PROJECT:	UNIT TAG:	QUANTITY:
	TYPE OF SERVICE:	
REPRESENTATIVE:	SUBMITTED BY:	DATE:
ENGINEER:	APPROVED BY:	DATE:
CONTRACTOR:	ORDER NO.:	DATE:



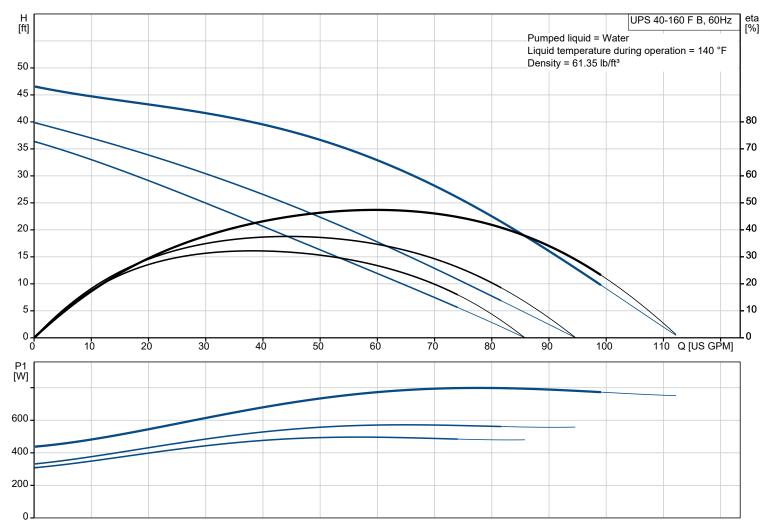
#### Note! Product picture may differ from actual product

### UPS 40-160 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.

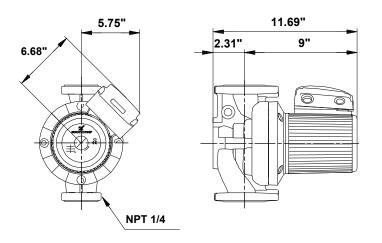
Conditions of Service		Pump Data		
Liquid: Temperature: Specific Gravity:	Water 140 °F 0.985	Maximum operating pressure: Liquid temperature range: Maximum ambient temperature: Approvals: Type of connection: Flange standard: Pipe connection: Product number:	145.04 psi 14 248 °F 104 °F CUL F USA Oval GF 40/43 96402789	

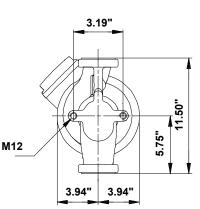
Motor Data				
Max. power input:	800 W			
Rated voltage:	208-230 V			
Mains frequency:	60 Hz			
Enclosure class:	X4D			
Insulation class:	Н			
Motor protection:	CONTACT			
Thermal protection:	external			

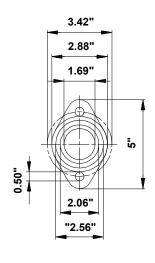


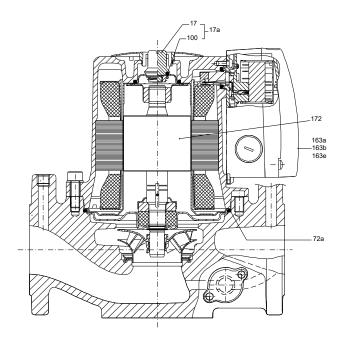


# Submittal Data









#### 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 40-160 F B

Product No.: 96402789

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:

- \* 3 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 USA Oval

Type of connection:

Pipe connection: GF 40/43
Pressure rating: 145 psi
Port-to-port length: 11 1/2 in

Electrical data:

Power input in speed 1: 0.6705 HP
Power input in speed 2: 570 W
Max. power input: 800 W
Mains frequency: 60 Hz
Rated voltage: 3 x 208-230 V
Current in speed 1: 1.55 A

Current in speed 1: 1.55 A
Current in speed 2: 1.75 A
Current in speed 3: 2.5 A



49.8 lb

58.6 lb

3.46 ft<sup>3</sup>

Net weight:

Gross weight:

Shipping volume:

Company name: Hurley Engineering

Created by: Phone:

			Date:	05/12/2022	
Qty.	Description				
1	Cos phi in speed 1:	0.81			
	Cos phi in speed 2:	0.82			
	Cos phi:	0.8			
	Enclosure class (IEC 34-5):	X4D			
	Insulation class (IEC 85):	Н			
	Winding resistance:	22.8 - 30.0 ohm			
	-				
	Others:				

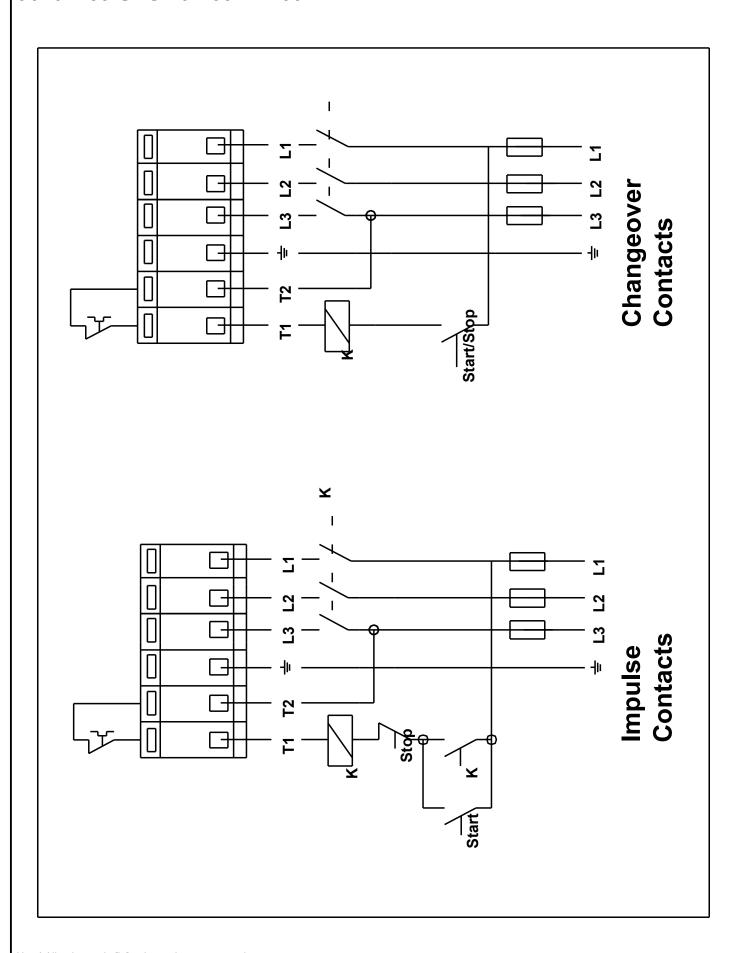


Company name: Hurley Engineering

Created by: Phone:

**Date:** 05/12/2022

## 96402789 UPS 40-160 F B 60 Hz



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