

Submittal Data

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

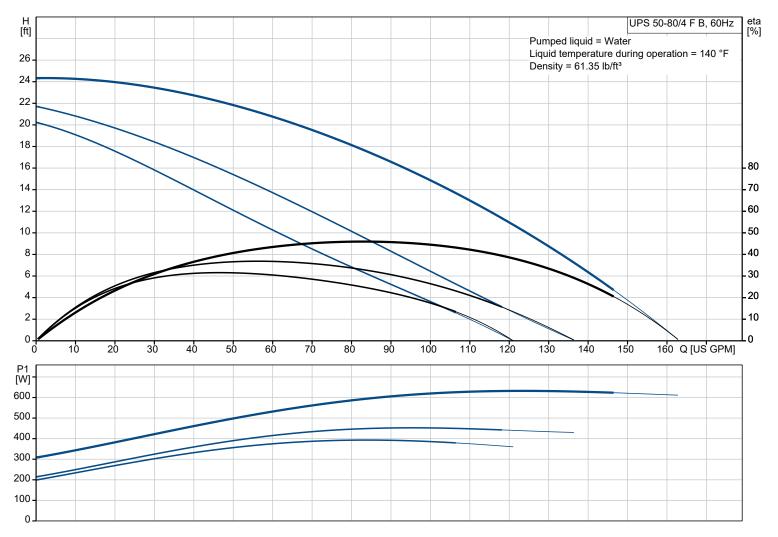


UPS 50-80/4 F B

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.

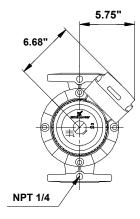
Note! Product picture may differ from actual product

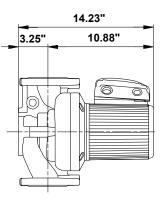
Conditions of Service		Pump Data		Motor Data	
Liquid: Temperature: Specific Gravity:	Water 140 °F 0.985	Maximum operating pressure: Liquid temperature range: Maximum ambient temperature: Approvals: Type of connection: Flange standard: Pipe connection: Product number:	145.04 psi 14 248 °F 104 °F CUL F USA GF 50 96404965	Max. power input: Rated voltage: Mains frequency: Number of poles: Enclosure class: Insulation class: Motor protection: Thermal protection:	640 W 208-230 V 60 Hz 4 X4D H CONTACT external

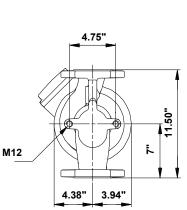


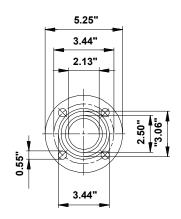
GRUNDFOS

Submittal Data



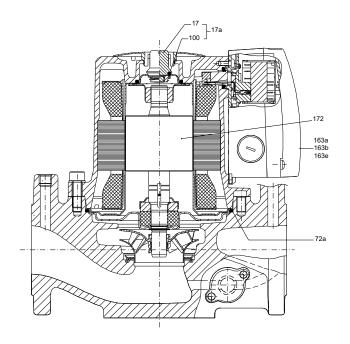






Materials:

Pump housing: Pump housing: Impeller: Impeller: Impeller: Bronze DIN W.-Nr. 2.1176.01 Stainless steel DIN W.-Nr. 1.4301 AISI 304





	GRONDF		Date:	05/12/2022	
Qty.	Description				
1	UPS 50-80/4 F B				
	Product No.: 96404965				
	The pump is of the canned rotor				
	and motor form an integral unit w				
	seal and with only two gaskets for				
	The bearings are lubricatd by the	e pumpea iiquia.			
	In order to avoid problems in cor				
	disposal, great importance has b				
	using as few different materials a	as possible.			
	The pump is characterized by:				
	 * 3 speed motor. * Ceramic radial bearings 				
	* Ceramic radial bearings.* Carbon axial bearing.				
	* Stainless steel rotor can,	hearing plate			
	and rotor cladding.	bouring plato			
	* Aluminium alloy stator ho	using.			
	* Bronze pump housing.				
	* Stator with built-in therma	l switch.			
	The motor is a 3-phase motor.				
	The pump is supplied with a star	ndard			
	module in the terminal box.				
	The standard module is to be co	nnected to the			
	mains supply via external contac	tor.			
	Controls:				
	Relay:	without relay			
	Liquid:				
	Pumped liquid:	Water			
	Liquid temperature range:	14 248 °F			
	Selected liquid temperature:	140 °F			
	Density:	61.35 lb/ft ³			
	Technical:				
	Approvals:	CUL			
	Materials:				
	Pump housing:	Bronze			
		DIN WNr. 2.1176.01			
	Impeller:	Stainless steel			
		DIN WNr. 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 11 1/2 in			
	Port-to-port length:	11 1/2 in			
	Electrical data:				
	Power input in speed 1:	0.523 HP			
	Power input in speed 2:	450 W			
	Max. power input:	640 W			
	Mains frequency:	60 Hz			
	Rated voltage: Current in speed 1:	3 x 208-230 V 1.24 A			
	Current in speed 1: Current in speed 2:	1.24 A 1.44 A			
	Current in speed 2.	1.44 A 2.44 A			

2.44 A

Current in speed 3:



			Date:	05/12/2022	
Qty.	Description				
1	Cos phi in speed 1:	0.79			
	Cos phi in speed 2:	0.78			
	Cos phi:	0.66			
	Number of poles:	4			
	Enclosure class (IEC 34-5):	X4D			
	Insulation class (IEC 85):	Н			
	Winding resistance:	37.0 - 49.0 ohm			
	Others:				
	Net weight:	67 lb			
	Gross weight:	65.9 lb			
	Shipping volume:	3.46 ft ³			



Company name: Hurley Engineering Created by: Phone:

05/12/2022

Date:

96404965 UPS 50-80/4 F B 60 Hz

