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



## UPS 50-160 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.

Note! Product picture may differ from actual product

| Conditions of Service |  |
| :--- | :--- |
| Liquid: | Water |
| Temperature: | $140^{\circ} \mathrm{F}$ |
| Specific Gravity: | 0.985 |
|  |  |
|  |  |
|  |  |


| Pump Data |  |
| :--- | :--- |
| Maximum operating pressure: | 145.04 psi |
| Liquid temperature range: | $14 . .248^{\circ} \mathrm{F}$ |
| Maximum ambient temperature: | $104^{\circ} \mathrm{F}$ |
| Approvals: | CUL |
| Type of connection: | F |
| Flange standard: | USA |
| Pipe connection: | GF 50 |
| Product number: | 96402868 |


| Motor Data |  |
| :--- | :--- |
| Max. power input: | 1300 W |
| Rated voltage: | 460 V |
| Mains frequency: | 60 Hz |
| Enclosure class: | X4D |
| Insulation class: | H |
| Motor protection: | CONTACT |
| Thermal protection: | external |



Submittal Data


## Materials:

Pump housing: Bronze
Pump housing: DIN W.-Nr. 2.1176.01
Impeller:
Impeller: Impeller:

Stainless steel
DIN W.-Nr. 1.4301
AISI 304


## Qty. Description

1 UPS 50-160 F B
Product No.: 96402868
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 lubricatd 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: $14 . .248{ }^{\circ} \mathrm{F}$
Selected liquid temperature:
Density:
$140{ }^{\circ} \mathrm{F}$
$61.35 \mathrm{lb} / \mathrm{ft}^{3}$
Technical:
Approvals:
CUL

## Materials:

$\begin{array}{ll}\text { Pump housing: } & \text { Bronze } \\ & \text { DIN W.-Nr. 2.1176.01 }\end{array}$
Impeller:
Stainless steel
DIN W.-Nr. 1.4301
AISI 304
Installation:
Range of ambient temperature: $32 . .104{ }^{\circ} \mathrm{F}$
Maximum operating pressure: 145.04 psi
Flange standard:
Type of connection:
Pipe connection:
USA
F
Pressure rating:
GF 50
Port-to-port length:
145 psi
14 in
Electrical data:

| Power input in speed 2: | 1000 W |
| :--- | :--- |
| Max. power input: | 1300 W |
| Mains frequency: | 60 Hz |
| Rated voltage: | $3 \times 460 \mathrm{~V}$ |
| Current in speed 2: | 1.5 A |
| Current in speed 3: | 2 A |
| Cos phi in speed 2: | 0.84 |
| Cos phi: | 0.82 |

## Qty. ${ }^{\text {Description }}$

| 1 | Enclosure class (IEC 34-5): | X4D |
| :--- | :--- | :--- |
|  | Insulation class (IEC 85): | H |
|  | Winding resistance: | $24.2-3$ |
|  |  |  |
|  | Others: |  |
|  | Net weight: | 65.9 lb |
|  | Gross weight: | 69.2 lb |
|  | Shipping volume: | $3.46 \mathrm{ft}^{3}$ |

## 96402868 UPS 50-160 F B 60 Hz



