

## Flexible Impeller Pumps bronze, high speed

F6B-9

10-24805-01

IB-519 R02 (02/2013)

ORIGINAL INSTRUCTIONS/TRANSLATION OF ORIGINAL INSTRUCTIONS  
READ AND UNDERSTAND THIS MANUAL PRIOR TO OPERATING OR SERVICING THIS  
PRODUCT



# INDEX

English .....

For more information about our worldwide locations, approvals, certifications, and local representatives, please visit [www.johnson-pump.com](http://www.johnson-pump.com). SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

# Self-priming, flexible impeller pump of bronze, high speed

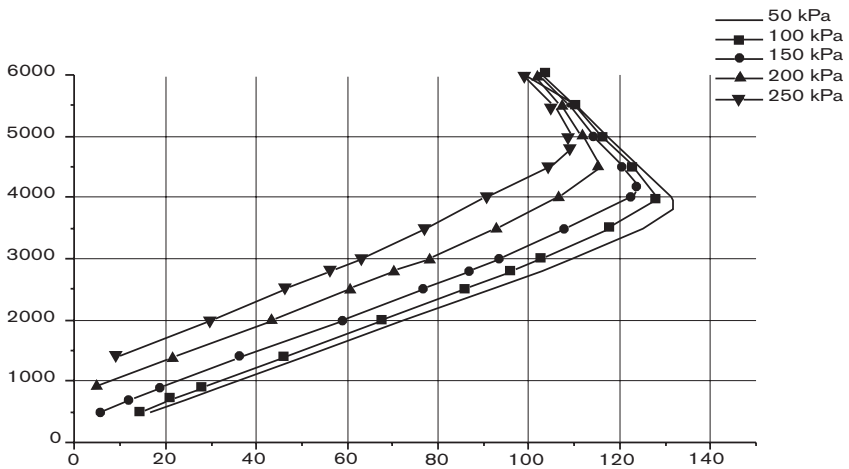
## Typical applications

Engine cooling

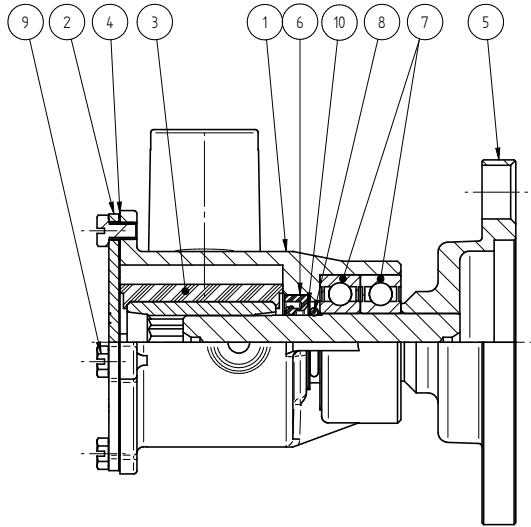
## Design features

Body: Bronze  
Impeller: EPDM  
Shaft: Stainless steel  
The shaft is mounted with two permanently lubricated ball bearings  
Seal: Lip seal  
Cam: Full  
Connection:  $\varnothing 31,8 \text{ mm} / 1\frac{1}{4}''$

## Performance curve



## Service instructions



Pos	Nos	Description	Art.no
1	1	Body F6B-9 1/1-CAM	01-24713-1
2	1	Endcover F5B/F6B-9	01-45312-1
3	1	Impeller	08-812B-1
4	1	Gasket F5B/F6B-9	01-45315
5	1	Carrier complete	04-46408-01
5	1	Carrier complete	04-46408-02
6	1	Lip seal 16x28x7 DPSM	0.2233.001
7	2	Ball bearing 6203 2 RS1 ST	0.3431.742
8	1	O-ring 15.3x2.4	0.2173.402
9	4	Screw M5x8 DIN933 Slotted brass	0.0141.502
10	1	Washer F5B/F6B/F7B	01-45680

### **Disassembly**

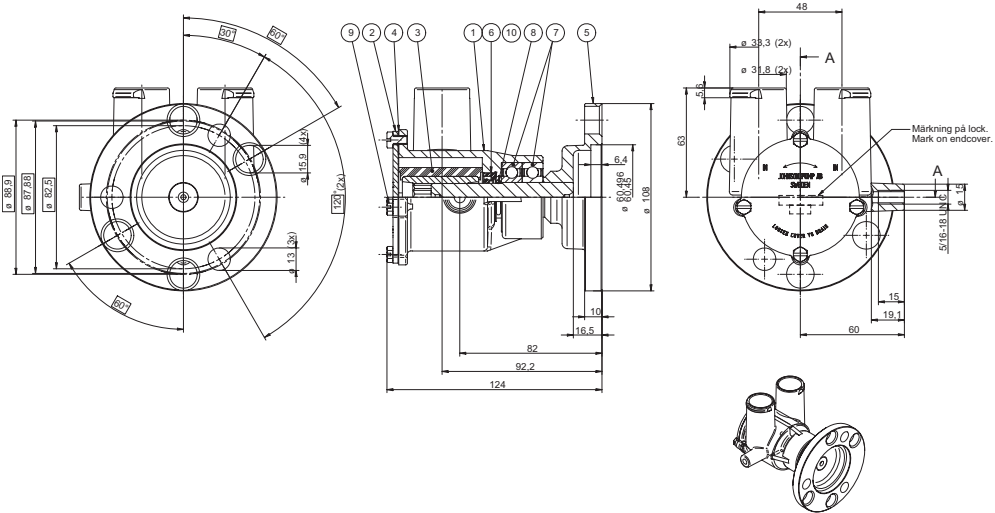
1. Remove the endcover and the gasket.
2. Pull out the impeller using two screw drivers or other suitable implements.
3. Remove the lip seal.
4. Remove the shaft with ball bearings by pressing on the shaft end from the impeller side.
5. Remove the ball bearings. Do not press the ball bearings over the sealing surface.
6. Remove the o-ring from the shaft.

### **Assembly**

1. Mount the ball bearings on the shaft. Do not press the ball bearings over the sealing surface.
2. Mount the o-ring on the shaft.
3. Press the shaft with ball bearings into the body.
4. Mount the lip seal (spring towards the impeller).
5. Lubricate the impeller with JP Impeller Lubricant and fit it with a rotating movement in the intended direction of rotation.
6. Fit the gasket before mounting the endcover.

### **Waste handling material recycling**

At the products end of life, please dispose of the product according to applicable law. Where applicable, please disassemble the product and recycle the parts material.





# Flexible Impeller Pumps bronze, high speed

F6B-9

10-24805-01



## SPX FLOW TECHNOLOGY SWEDEN AB

Nastagatan 19, P.O. Box 1436

SE-701 14 Örebro, Sweden

P: +46 (0)19 21 83 00

F: +46 (0)19 27 23 72

E: johnson-pump.marine@spx.com

SPX reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensionals data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

Please contact your local sales representative for product availability in your region. For more information visit [www.spx.com](http://www.spx.com).

ISSUED 02/2013 IB-519/R02

COPYRIGHT ©2011 SPX Corporation

