

**Yacht & Light
Commercial Steering**

**Helm Pump
H20**

The H20 (2.0 cu. in) is the smallest helm pump in the Jastram line. Reliable operation of a hydraulic steering system depends upon the quality and performance of the helm pump regardless of the size.

The Jastram "H" series manually operated helm is a precision made axial piston pump specifically designed to operate effectively at a very slow turning rate.

Smooth, simple, and made to last, the Jastram H series is the standard by which all other helm pumps should be measured.



Design Features

- The helm pump includes an external back mounted "lock valve." This feature isolates each helm and locks the rudder into position in turn preventing unwanted feedback.
- The pump housing is powder coated cast aluminum making it highly resistant to corrosion in a marine environment.
- The new pump has fewer moving parts, greater reliability and easier service when compared to previous models.
- A thrust bearing support at both ends of the pump insures smooth operation even under a heavy load.
- The H20 features the industry standard 3/4" diameter tapered stainless steel shaft for the steering wheel.

For further details, please consult the technical manual MAN00302.

Part number	Description	Displ in ³ /rev	Lbs (Kg)
JA-301001-3	H20 helm pump	2.0	11.9 (5.4)

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**Helm Pump
H24**

Reliable operation of a steering system depends upon the quality and performance of the helm pump. The Jastram "H" series manually operated helm is a precision made axial piston pump specifically designed to operate effectively at even very slow turning rates. Installation is simple and easy with a choice of behind-the dash, face-mounting, or flange-mounting for extra wheel clearance.



Design Features

- The helm pump includes an integrated external back mounted "lock valve." This feature isolates each helm and locks the rudder into position by preventing unwanted feedback.
- The pump housing has sufficient internal capacity to act as a small vented reservoir for the steering system.
- Thrust bearing support at both ends of the pump insures smooth operation even under a heavy load.
- There is a 3/4" diameter tapered stainless steel shaft for the steering wheel.
- The pump housing is powder coated cast aluminum for highly resistant corrosion protection in a marine environment.
- The pump is suitable for installation in a non-pressurized, two line, manual steering system.

For further details, please consult the technical manual MAN 00301.

Part number	Description	Displ in ³ /rev	Lbs (Kg)
JA-931001-1	H24 helm pump	2.4	10.2 (4.6)

**Yacht &
Commercial Steering**

**Helm Pump
H26/H36/H58**

Reliable operation of a steering system depends upon the quality and performance of the helm pump. The Jastram "H" series manually operated helm is a precision made axial piston pump specifically designed to operate effectively at a very slow turning rate. The H26/36/58 provide excellent primary or backup steering for small and relatively large steering systems.



Design Features

- The helm pump includes an external back mounted "lock valve." This feature isolates each helm and locks the rudder into position to prevent unwanted feedback.
- Thrust bearing support at both ends of the pump insures smooth operation even under a heavy load.
- Industry standard 1" diameter straight stainless steel shaft for the steering wheel. Pump housing is powder coated cast aluminum providing excellent corrosion protection.

For further details, please consult the technical manual MAN 00302.

Part number	Description	Displ in ³ /rev	Lbs (Kg)
JA-301001-1	H26 helm pump	2.6	11.9 (5.4)
JA-301001-2	H36 helm pump	3.6	11.9 (5.4)
JA-301007-1	H58 helm pump	5.8	12.2 (5.6)

Commercial Steering

Helm Pump H60/H90/H110

Reliable operation of a steering system depends upon the quality and performance of the helm pump. The Jastram "H" series manually operated helm is a precision made axial piston pump specifically designed to operate effectively at a very slow turning rate. The H60, 90 and 110 are among the largest helm pumps made and provide excellent primary or backup steering for large steering systems.



Design Features

- The helm pump includes an external back mounted "lock valve." This feature isolates each helm and locks the rudder into position by preventing unwanted feedback.
- Thrust bearing support at both ends of the pump insures smooth operation even under a heavy load.
- Industry standard 1" diameter straight stainless steel shaft for the steering wheel.
- Pump housing is powder coated cast aluminum providing excellent corrosion protection.

For further details, please consult the technical manual MAN 00302.

Part number	Description	Displ in ³ /rev	Lbs (Kg)
JA-301002-1	H60 helm pump	6.0	41.9 (19.0)
JA-301002-3	H90 helm pump	9.0	41.9 (19.0)
JA-301002-2	H110 helm pump	11.0	41.9 (19.0)

**Comparison Chart
by Manufacturer**

Helm Pumps

Helm pump	Displ in3	Helm pump	Displ in3
HYNAUTIC			
H21/ H23/ H25/ H29	2.75	H26	2.6
H22/ H26/ H30/ H50	2.0	H20	2.0
H30/ H50	2.0	H20	2.0
H31/ H35	2.75	H26	2.6
H41	5.5	H58	5.8
H51/ H61	1.62	H20	2.0
H62	2.75	H26	2.6
KOBELT			
7003	1 – 3 *	H20/ H24/ H26/ H36	2.0/ 2.4/ 2.6/ 3.6
7004	4.2	H36	3.6
7004-X	5.4	H58	5.8
7005	2 – 6 *	H20/ H24/ H36/ H58	2.0/ 2.4/ 3.6/ 5.8
7012	4 – 12 *	H36/ H58/ H90/ H110	3.6/5.8/9.0/11.0
7031	2.0	H20	2.0
7031-X	2.6	H26	2.6
TELEFLEX			
Sea Star I	1.7	H20	2.0
Sea Star II	2.4	H24	2.4
1250V	1.7 – 3.4 *	H20/ H24/ H36	2.0/ 2.4/ 3.6
1350V	2.7 – 5.4 *	H26/ H36/ H58	2.6/ 3.6/ 5.8
WAGNER			
701	1.9	H20	2.0
AW	1.9	H20	2.0
A1W	3.6	H36	3.6
A2W	5.5	H58	5.8
B1	2.6	H26	2.6
B2	4.0	H36	3.6
B3	6.3	H60	6.0
B4	9.9	H90	9.0
C	7.8	H90	9.0
D	13.4	H110	11.0

(* variable displacement pump)