

Standard Operating Procedure

Blower – Hydraulic



Equipment description

Hydraulic Air Blower (HAB) 200

The HAB 200 is used for inflating booms. The air blower consists of a hydraulic motor and air blower installed in a portable aluminium frame. The unit is supplied with hydraulic quick release TEMA couplings. The internals of the Lamor HAB 200 are protected by a suction filter. The Lamor HAB 200 has a set discharge pressure so the oil boom cannot be damaged during the inflation operation. Additionally, the HAB 200 can be configured to provide suction for deflation of booms.

The hydraulic blower is a remotely driven hydraulic centrifugal air blower used to inflate air filled equipment i.e. booms or inflatable barges.

It requires a separate hydraulic power pack (LPP36) to drive it, normally through a control stand.

Technical Specification

Weight: 20kg
Pump: Hydraulic driven centrifugal air blower

Health and Safety



All PPE to be appropriate for area of operation.

To safely operate this equipment two people are required.

Safe Operating Requirements

- Ensure adequate PPE is worn – as detailed below,
- All personnel are to be trained in the use of the air blower, or under the close supervision of a trained operator
- If required a Job Safety Analysis (JSA) to be conducted prior to work commencing. Identification of the following safety factors are critical, but not limited to:
 - o Manual Handling,
 - o Slips/Trips/Falls,
 - o Contamination/Decontamination.
- Ensure adequate Personal Protective Equipment (PPE) is worn –
 - o * Life jackets must be worn on or near water dependant on operation
- A communication plan must be decided upon to ensure clear and concise communication at all times

- A full safety brief must be conducted.
- Ensure adequate ventilation of the working area
- All incidents, accidents and near misses must be reported as per company policy

Operational instructions

Emergency shutdown

In the event that an emergency shutdown is required, the following measures should be taken.

- Disconnect inflation hose from equipment being inflated
- Move any hydraulic flow levers to minimum
- Move the throttle on the power pack to the "slow" position and operate the stop button/switch/key.
- Shut off any valves

Pre start checks

- Check general condition of all equipment, hoses and ancillaries
- Check all fluid levels on power pack (SOP 2008)

Operation

- Prepare equipment to be inflated using appropriate guidelines, operating instructions and SOPs
- Connect blower to hydraulic system (power pack or control stand)
- Ensure the locking rings on the hydraulic fittings are locked in place.

Note - Failure to correctly connect all hoses may result in failure and extensive damage to the unit.

- Connect inflation hose to blower outlet
Note: connections are interchangeable and blower can be used to inflate or deflate
- When ready to inflate, start power pack and operate controls to start blower and inflate
- Refer to equipment SOP and operating instructions for detail.
- When finished, turn off blower using hydraulic control, and then turn off power pack.

Post operation

- Clean blower and hoses as required
- Ensure that all equipment is returned to response ready condition

Additional information

Maintenance

- All maintenance and repairs are to be completed in accordance with either the manufacturer or AMOSC procedures.
- All equipment must be left in an operational condition when not in use.
- All defects must be repaired immediately or the equipment be "tagged out" for maintenance and repair.

Related Documents

AMOSC HSSE Plan
PN08 - HSSE Policy
AMOSC JSA Template
Relevant SDS
2008-Eqt; Lamor Power Pack