

Brendon HWBBW Operators and Risk Assessment

MODELS INCLUDED

SCOPE

Our aim is to help ensure people at work (and any other personnel) are protected against health and safety risks associated with the use of the plant detailed within this report. Possible hazards and risks are to be assessed with respect to the use of the plant on any job site and control measures need to be incorporated prior to the plants use to maximize safety. For each identified risk, the designed control measures have been implemented to reduce these risks as far as practicable. Any residual risks and their required control measures, can be found on the plant safety decals and, in the operator's, service and safety manuals.

PERSONAL PROTECTIVE EQUIPMENT

PPE should be worn at all times when operating and/or cleaning equipment. The following is recommended.

- Hearing Protection
- Protective Gloves
- Safety Glasses
- Overalls
- Safety Boots

BEFORE STARTING

Please complete the following checks before operating the unit.

- Make sure unit secured onto the vehicle correctly.
- If the unit is not on level ground or secured onto a vehicle ensure the wheels are chocked and secured to prevent any unplanned movement
- Carry out pre-engine start checks as per operator manual.
- Check fuel, air filter and starter condition. Ensure stop switch works and cuts operation.
- Check oil on engine and pump. Ensure there are no leaks.
- Ensure water tank level is sufficient and water connections are in good order.
- DS model- ensure sprayers are not damaged or blocked.
- Never operate the machine without its protective devices.
- Carry out trailer checks as per trailer requirements.
- Do not leave the unit running unattended. If unit is not required, please switch it off.
- Ensure correct orientation is selected for either sprayers or pressure washer.

TO START:

- Remove the gun and lance from the lance holder and connect it to the high-pressure hose. 2. Pull out all of the hose from the Brendon reel and make sure any loops or kinks are removed.
- Turn on the fuel and start the engine as per the starting instructions in the power washer manual.
- Pull the trigger on the gun and dispel any air trapped in the system then release the trigger and allow the engine to run at a medium speed. Allow the engine to warm up for a few minutes.
- The machine can now be used as a standard cold water power washer if desired

STOPPING PROCEDURE.

- To stop the engine switch off the key and turn the fuel valve off before towing the trailer on the highway. (Petrol Models) For Diesel driven machines push the throttle lever towards the pump. A warning buzzer will sound which ensures the operator turns off the key on the engine start panel.

HEATING SYSTEM

- Switch on the heater on the control panel (Switch 1) E 2. The heater will fire up automatically after a fuel purge cycle of 20 seconds. It will then run until it gets to its maximum operating temperature. 3. After an initial period of 10 – 12 Minutes the green “Pre-Heat Ready” LED (E) will come on and this indicates that the machine is ready for use. 1 H The heater will automatically switch on and off as and when it is required to do so and no further actions are required by the operator. After the 16 | Page BPWM/UK/10/01 Brendon Power washers HWBBW initial warm up period of 10- 12 minutes the power washer can be used and will deliver hot water up to a maximum temperature of 78 Degrees Centigrade. If for any reason the heater flame fails the green power on led (top left) will flash a fault code. Press the burner re-set button H to start the flame cycle. If the problem keeps repeating then investigate the fault.

WEEKLY CHECKS

Please complete the following checks weekly

- Clean air filter on models
- Check oil levels on pump and engine
- Check water tank is clean and clear of any debris
- Check in-line water filter
- Being a towable unit, all fasteners to be checked on a regular basis.

PRESTART CHECKS

- Ensure the surface to be cleaned is suitable for high pressure cleaning.
- Ensure any chemical used is approved by Brendon Powerwashers.
- Ensure that the chemical will not damage the surface to be cleaned.
- Keep the machine out of reach of children.
- High pressure water jets are dangerous if used incorrectly. In particular, the jet must not be directed against persons or animals, electrical equipment or the machine itself.
- Do not operate the machine when persons and/or animals are within the reach of the jet.
- The user must operate the machine in safe conditions and situations avoiding any likelihood of potential danger to their self or other persons.

GENERAL RISKS

Activity: What is the hazard?	Harm: Who or what?	Controls
High pressure water system	Operator and /or bystanders	Ensure all water fittings are tight and secure
Injury from moving parts.	Operator and /or bystanders	Ensure no loose clothing and hands are kept away from moving parts.
Hot engine.	Operator and /or bystanders	Allow engine and pump to cool down before undertaking any work or repairs.
Mobile plant.	Operator and /or bystanders	Full PPE to be used. Always advise bystanders etc of intended movement when using the DS application.
High pressure hoses and supply hoses on reels.	Operator	Always take caution when job is complete and rolling up and securing the hoses. When rolling up hoses, there is a combined weight to consider and not to induce strains.

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