



NOT JUST A WATERJET...

www.wardjet.com

Power, Water and Air Guidelines for WARDJet Waterjet Machines

POWER: Please consult a local certified electrician for the correct fusing and disconnect options

Power for LCD-Controller: 120 V, 20 Amp, standard wall outlet located at the controller.
Recommend surge protector preferably with battery backup (Included with machine)

Power for X-Series Controller: 30A of 230VAC 3-phase 60Hz to power the Delta Tau motion controller and all of the servo motors, as well as 10A of 110VAC single phase 60Hz to power the PC-based user interface

WARDJet 30 HP PUMP (AS-6030) * : Full load Amps @ 460 VAC (60 Hz), 3 phase, 41 Amps

WARDJet 50 HP PUMP (AS-6050) * : Full load Amps @ 460 VAC (60 Hz), 3 phase, 68 Amps

WARDJet 75 HP PUMP (AS-6075) * : Full load Amps @ 460 VAC (60 Hz), 3 phase, 95 Amps

WARDJet 100 HP PUMP (AS-60100) * : Full load Amps @ 460 VAC (60 Hz), 3 phase, 118 Amps

WARDJet 150 HP PUMP (AS-60150) * : Full load Amps @ 460 VAC (60 Hz), 3 phase, 180 Amps

*** For water / oil cooling pumps only (Special air-cooled models will have increased power requirements).*

Note: If required, the Pump Voltage can be changed to 208-230 Volt – 3-phase for a minimal cost.

AIR: (Requires dry air)

Air for Gantry: 80-100 psi (dead heading)

Air for 1000 lb. Bulk Feed Hopper: Minimum 20 psi, 2 CFM (requires dry air to prevent abrasive clogs)

Air for 2000 lb. Bulk Feed Hopper: Minimum 20 psi, 2 CFM (requires dry air to prevent abrasive clogs)

Air for Pneumatic Drill: Minimum 20 PSI, 2 CFM

Air for Abrasive Removal-only System: Minimum 30 PSI, 15 CFM

WATER: (Requires clean water)

NOTE: Please make sure you have your water tested locally and compare with our water requirement specification sheets to find out what is needed for your water, if any. Total Dissolved Solids (TDS) should be less than 100ppm.

Cutting Water - 30 HP Pump consumes 0.65 GPM @ 60,000 PSI, min. inlet flow 1.0

Cutting Water - 50 HP Pump consumes 1.1 GPM @ 60,000 PSI, min inlet flow 2.0

Cutting Water - 75 HP Pump (Maximum continuous output flow @ 60,000 psi): 1.6 GPM

Cutting Water - 100 HP Pump (Maximum continuous output flow @ 60,000 psi): 2.2 GPM

Cutting Water - 150 HP Pump (Maximum continuous output flow @ 60,000 psi): 3.2 GPM

NOTE: We recommend you have a good supply of positive water flow and pressure in case some water would be consumed somewhere else while cutting. For example your normal garden hose uses 5 GPM and if you suddenly turn several of these on to clean your shop, while you are cutting at full capacity you could possibly starve the system in a worst case scenario if you don't have enough inlet water supply it will shut the pump down. This may never happen but we like to think proactively. Also, if the drain is too far away, the water can be easily pumped to the location. (Call for more details)

Cooling Water - 30 HP Pump (Maximum continuous output flow @ 60,000 psi): 2 GPM

Cooling Water - 50 HP Pump (Maximum continuous output flow @ 60,000 psi): 3 GPM

Cooling Water - 75 HP Pump (Maximum continuous output flow @ 60,000 psi): 4 GPM

Cooling Water - 100 HP Pump (Maximum continuous output flow @ 60,000 psi): 8 GPM

Cooling Water - 150 HP Pump (Maximum continuous output flow @ 60,000 psi): 10 GPM

NOTE: Inlet temperature not exceeding 70° F (21°C)

NOTE: For informational use ONLY – WARDJet engineers will provide the exact information required on the specific items chosen for purchase.

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