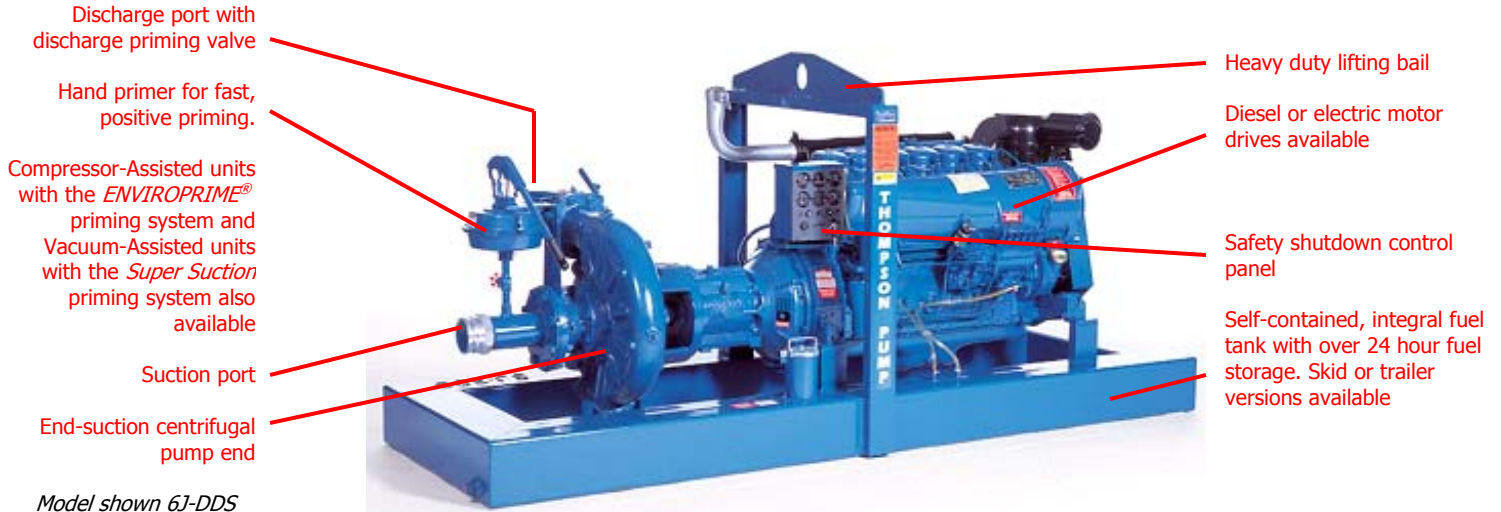


J SERIES CLEAR LIQUID HIGH PRESSURE JET PUMPS



Thompson High Pressure Jet Pumps make short work of wellpoint jetting

Perhaps a better name for Thompson High Pressure Jet Pumps would be "water drill." These durable fast action pumps make quick work of jetting in a wellpoint system, with sizes 3-inch and up, flows to 1,600-gpm and pressures over 200-psi. Time is money on a job site and Thompson High Pressure Jet Pumps are proven performers in the field.



Model shown 6J-DDS

FEATURES

- High pressure capability for jetting
- End-suction centrifugal pump end
- Heavy-Duty cast iron casing and brackets
- Stress-proof stainless steel shaft sleeves
- Bronze impeller and wear rings
- Abrasion-resistant carbon vs. ceramic mechanical seal
- Discharge priming check valves
- Suction and discharge fittings
- Hand priming devices
- Compressor-Assisted version with exclusive *ENVIROPRIME*[®] priming system available
- Vacuum-Assisted version with exclusive *Super Suction* priming system available
- Safety shutdown controls
- Strainers or foot valves are available
- Variable speed engine control



APPLICATIONS

Construction: Wellpoint installation; equipment wash down; pilings; pre-wet operations

Industry: Water jetting and blasting; standby fire protection; piping system surcharging and pressure testing

Agriculture: Irrigation; dust abatement

Marine: Barge cleaning and wash down; pile jetting; docks and seawall installation;

Note: Alternate pump end materials available for corrosive liquids

Where installation efficiency is the key to job profitability, the right pump is the critical factor. A "lazy" pump slows the crew's production and costs money. Thompson offers a jet pump to suit every job requirement including applications requiring long discharge hose lines and high vertical deliveries. Delivering "punch" at the end of the hose is Thompson's goal for the jetting contractor.

In the interest of product improvement, we reserve the right to change specifications without incurring any obligation for equipment previously or subsequently sold. Capacity and Head are shown for comparative purposes. Consult engineering data for exact capabilities.

Thompson Pump & Manufacturing Co., Inc. 4620 City Center Drive, Port Orange, Florida, USA 32119
Phone (800) 767-7310 • Fax (386) 761-0362 • www.thompsonpump.com

J SERIES CLEAR LIQUID HIGH PRESSURE JET PUMPS



SPECIAL FEATURES*

Pedestal frame available.
Close coupled, engine
connection standard

Large diameter shaft of
"Stressproof" steel

Abrasion-resistant
mechanical seals standard.
Packing design with large,
deep stuffing box for
extended packing life on
request

External hydraulic balance
line, unique in the industry

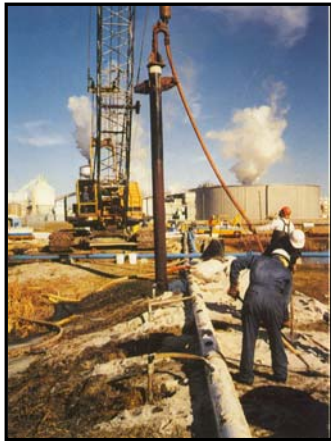
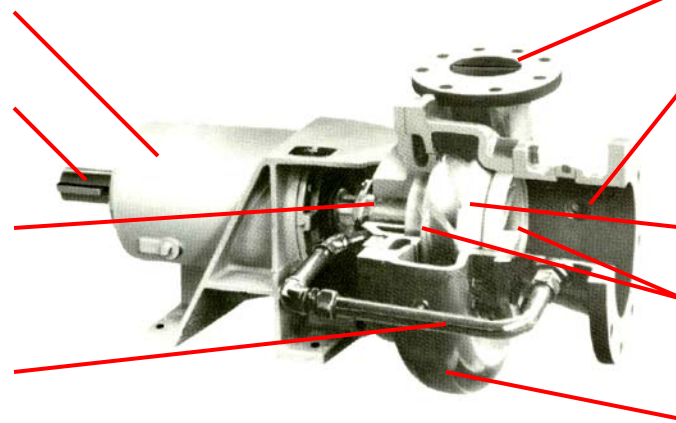
End-suction centrifugal
pump end with single volute
design

Clean contoured design for
smooth liquid entry

Fully machined bronze
impeller with double
curvature

Replaceable recessed bronze
wear rings

Rigid heavy walled cast iron
construction resists
distortion (ASTM A48 Class
30 cast iron)



Jetting wellpoints is one of the applications most common for Thompson High Pressure Pumps. Pressurized water is pushed through a hose to the top of a vertical shaft called a "casing," which holds the wellpoint inside.

The high-pressure water enters the top of the casing and continues down the shaft. Along with the help of a crane, the casing and the wellpoint are pushed into the ground. When the wellpoint reaches the desired depth, the crane pulls the casing out of the ground, leaving the buried wellpoint.

WORKING PRINCIPLE

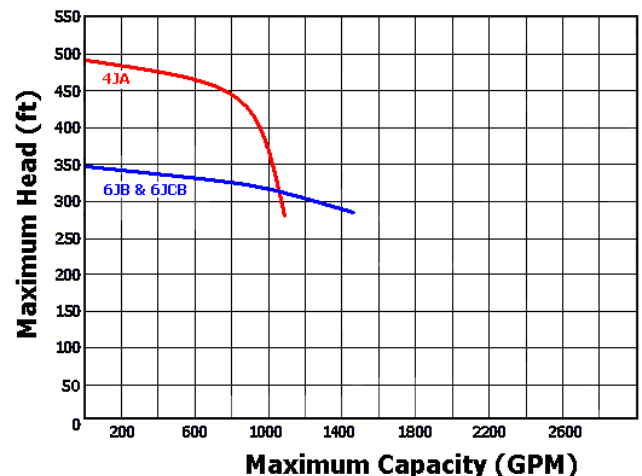
The pump achieves and maintains its prime with the aid of either an on-board hand primer, or Thompson Pump's exclusive *ENVIROPRIME*[®] compressor-assisted priming system. The impeller and volute are designed to handle clear liquid with a slight amount of solids. As the liquid passes through the volute, it is sent out a smaller diameter discharge port. The smaller port increases the pressure as the liquid leaves the pump, creating the jetting feature.

MODEL SPECIFICATIONS

Unit Model	Size (in.)	Maximum* Capacity (GPM)	Maximum* Head (ft.)	Maximum* PSI	Maximum Solids (in.)
4JA	4 x 2.5	1,100	440	216	0.50
6JB	6 x 2.5	1,600	400	173	0.62
6JCB**	6 x 2.5	1,600	400	173	0.62

* Consult engineering data for exact maximum performance RPM

** Equipped with ENVIROPRIME[®] Compressor-Assisted Priming System



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Locations nationwide
(866) PUMPS-12

Product Performance Curve

THOMPSON MODEL 4JC HIGH HEAD JET PUMP

June, 2003

Impeller Dia.	Style	No. Vanes	Solids Dia.	Suction	Discharge	Weight
15.22"	ENCLOSED	6	0.50"	6"	3"	600 LBS.

