

4" Vacuum-Assisted Solids Handling Pump 4V-DDST-3-D2011

With its heavy-duty cast-iron construction and fast priming capabilities, this Super Suction solids handling pump leads the industry in construction, industrial and municipal applications. The Thompson 4V-DDST-3-D2011 is designed for moderate flows 650 gpm and heads to 127 feet making it perfect for sewage bypass pumping or general construction dewatering.

Features

- Standard engine – Deutz D2011L03I
Also available with a variety of diesel engines.
- Fully automatic, dry priming to 28 feet
- Moderate heads to 127 feet
- Maximum flows to 650 gpm
- Solids handling to 2"
- Can run dry unattended
- Maximum operating time is:
26 hours @ 2,000 rpm
32 hours @ 1,800 rpm
40 hours @ 1,600 rpm
- 78 SCFM H3F vacuum pump air handling capacity

Super Suction Features and Benefits

Air cyclone vapor recovery system to prevent discharge of contaminants

Air separator assembly

** Some features not available on all models*

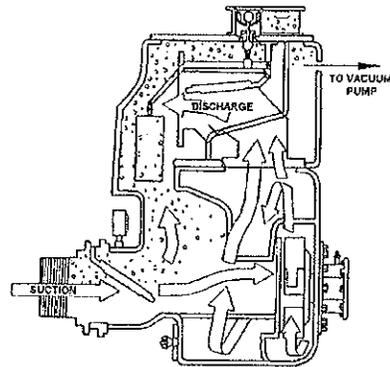


Discharge priming valve

Cast iron pump with maximum solids capacity of 2"

SUPER SUCTION

VACUUM-ASSISTED PRIMING SYSTEM



Thompson's exclusive Super Suction vacuum-assisted system works with a self-priming pump to provide the fastest priming in the industry. Water and air passes through a cross section tank and then into the vacuum pump forcing the water to rise in the separation tank until a balance point is reached.

- Provides fastest priming system in portable pump dewatering industry
- Prevents discharge of pumping effluent onto the ground
- Eliminates need for a waste hose
- Eliminates need to fill up pump housing with water to obtain original prime at start-up

THOMPSON
PUMP
EXPERIENCE INNOVATION

4" Vacuum-Assisted Solids Handling Pump 4V-DDST-3-D2011



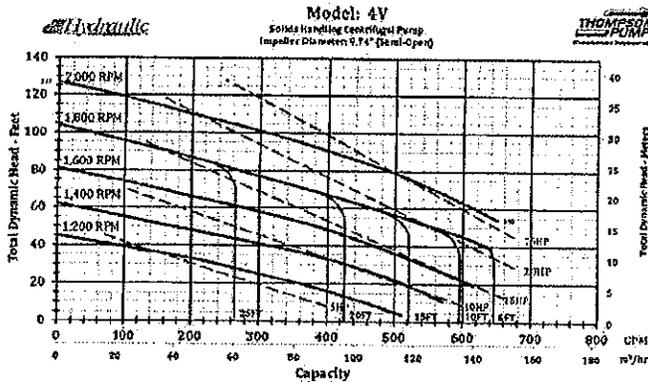
Engine Specifications

Engine: Deutz D2011L03L, 32 hp @ 1,800 rpm
Type: 3-cylinder, in-line, 4-cycle, direct-injected Interim Tier IV diesel
Standard Equipment: Alternator, muffler, and exhaust stack with rain protection.
Displacement: 142.2 cubic inches
Fuel Economy: .380 lb/hp-hr @ 2,000 rpm
 .371 lb/hp-hr @ 1,800 rpm
 .367 lb/hp-hr @ 1,600 rpm
Safety Shutdowns: Low oil pressure.

Materials of Construction

Pump Casing: Heavy-duty class 30 cast-iron volute
Impeller: Dynamically balanced, two-vane, non-clogging, semi-open with full rear shroud, ductile iron, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life. Diameter 9.74"
Mechanical Seal: Grease or oil lubricated with Tungsten Carbide rotating and stationary seal faces. All other components are 304 stainless steel and nitrile.
Head: Rugged, back pull out design, heavy-duty class 30 cast-iron with tapered bore design
Bearings and Frame: Heavy-duty grease lubricated to carry both axial and radial loads. Frame is Heavy-duty class 30 cast-iron
Shaft: High quality carbon steel and fitted with a 304 stainless steel shaft sleeve
Suction Check Valve: Built-in weighted, full-flow to eliminate re-priming with each cycle
Wear Plates: Replaceable, class 30 cast- iron with abrasion resistant rubber facing to extend service life

4V-DDST-3-D2011 Performance Curve



Model: 4V Solids Handling Centrifugal Pump (Impeller Diameter 9.74" (Semi-Open))	THOMPSON PUMP Manufactured in USA
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Vacuum Pump Specifications

Vacuum Pump: Positive displacement, rotary vane, air cooled, oil lubricated (6.5 Hp)
Casing: Class 30 cast iron
Maximum Operating Temperature: 200°F
Maximum Working Pressure: 15 psi
Maximum Suction Lift: 28 feet
Air Handling Capacity: 78 SCFM

Unit Specifications

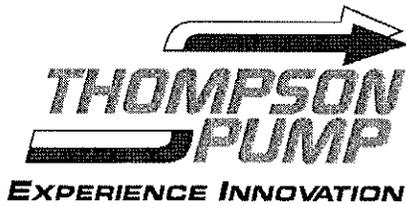
Fuel Tank Capacity: 45 US gallons
Fuel Consumption: 1.69 gph @ 2,000 rpm
Maximum Operating Speed: 2,000 rpm
Maximum Operating Temperature: 200°F
Maximum Operating Pressure: 55 psi
Maximum Casing Pressure: 85 psi

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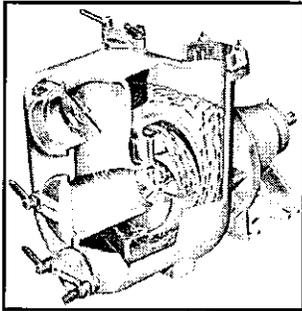


6" Vacuum-Assisted Heavy Duty Trash Pump

Model: 6V-DJDST-45T



With its heavy-duty cast-iron construction and fast priming capabilities, this solids handling pump leads the industry in construction, industrial and municipal applications. The Thompson 6V-DJDST-45T is designed for flows to 1,430 gpm and heads to 104 feet making it perfect for sewage bypass pumping or general construction dewatering.



ENVIROPRIME SYSTEM[®] with Vacuum

- Thompson's innovative priming system preventing blow-by of sewage, effluent and waste from discharging onto the ground. With Thompson's vacuum system, the pump can handle up to 76 CFM of air for quick priming.

Pump End Materials	
Pump Casing	Heavy-duty class 30 cast-iron volute with replaceable wear plate
Impeller	Dynamically balanced, two-vane, non-clogging, semi-open, ductile iron, with rear-equalizing vanes. Diameter 9.74"
Mechanical Seal	65 mm type AR3, grease or oil lubricated with Tungsten Carbide rotating and stationary seal faces. Single, inside mounted, non-pusher type with self-adjusting elastomeric bellows.
Head	Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design
Bearings & Frame	Heavy-duty grease lubricated to carry both axial and radial loads. Frame is heavy-duty class 30 cast iron.
Shaft	Constructed of high quality carbon steel with a 304 stainless steel shaft sleeve
Suction Check Valve	Built in weighted, full-flow valve to eliminate re-priming with each cycle

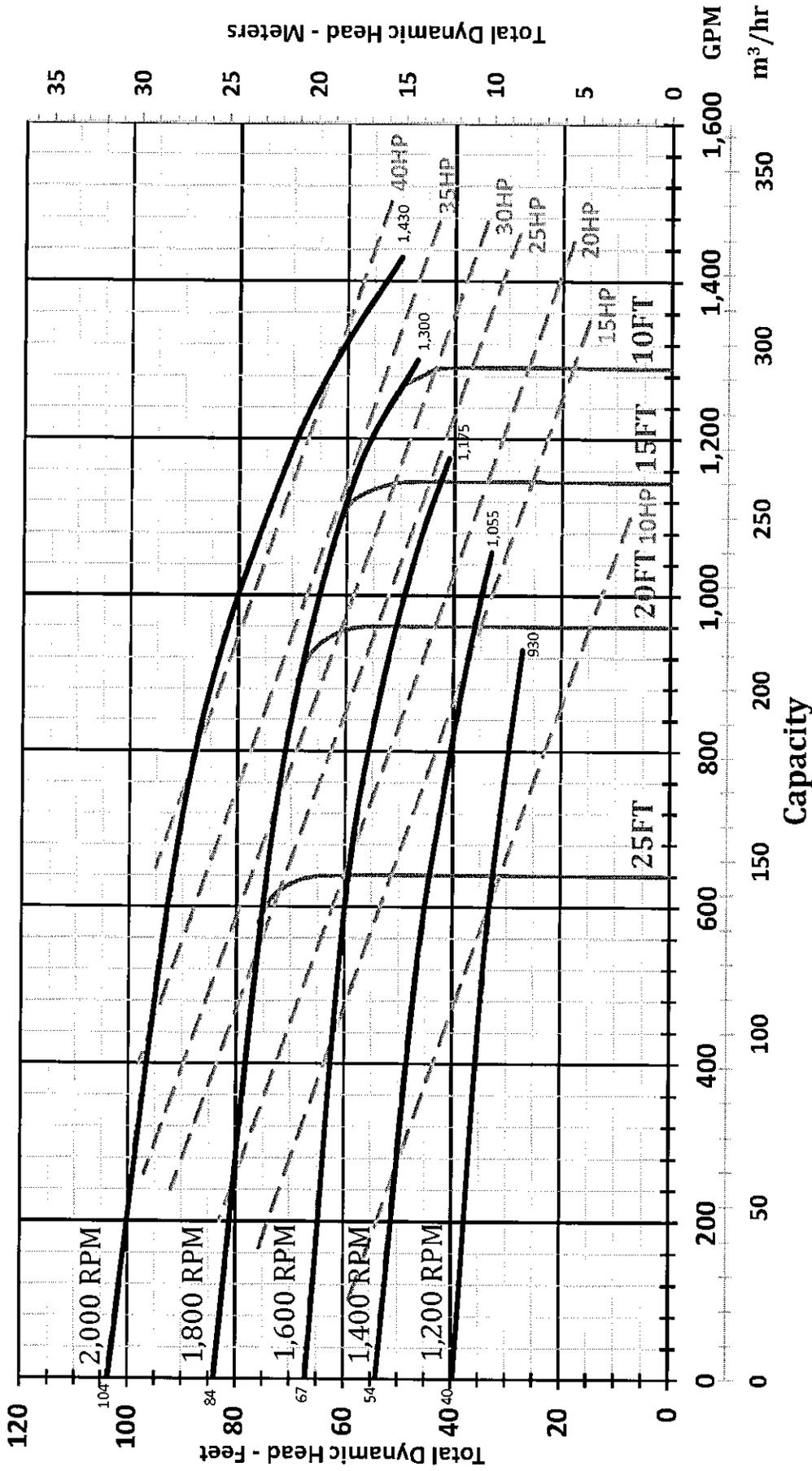
TECHNICAL SPECIFICATIONS

Suction Size	6 in (15.24 cm)	Approximate Dry Weight	TBD
Discharge Size	6 in (15.24 cm)	Fuel Tank	60 gal (227.12 L)
Maximum Flow Capacity	1430 gpm (325 m ³ /h)	Fuel Consumption@2000rpm	2.83 gph (10.71 L/h)
Maximum Head	104 ft (31.7 m)		
Maximum Solids Handling	3 in (7.62 cm)	Maximum Operating Times	Fuel Economy
Maximum Operating Speed	2000 rpm	21 hours @ 2000 rpm	0.397 lb/hp-hr @ 2000 rpm
Maximum Operating Temp.	200 °F (93.33 °C)	24 hours @ 1800 rpm	0.395 lb/hp-hr @ 1800 rpm
Maximum Operating Pressure	45 psi (310 kPa)	31 hours @ 1600 rpm	0.397 lb/hp-hr @ 1600 rpm

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Engine Specification

Engine Model	John Deere 4045T, 72 hp @ 2,000 rpm	Standard Equipment	alternator , radiator, EPA certified exhaust muffler
Type	4-cylinder, in-line, 4-cycle, water-cooled, turbo-charged, direct-injected, Interim Tier IV diesel	Automatic Shutdowns	Low lube oil pressure; high water temperature

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8" Vacuum-Assisted Solids Handling Pump 8V-DJDS-45T-M

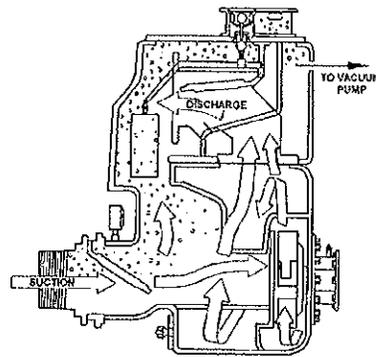
With its heavy-duty cast-iron construction and fast priming capabilities, this Super Suction solids handling pump leads the industry in construction, industrial and municipal applications. The Thompson 8V-DJDS-45T-M is designed for high flows to 2,600 gpm and heads to 168 feet making it perfect for sewage bypass pumping or general construction dewatering.

Features

- Standard engine – John Deere 4045TF290-74. A variety of diesel engines available.
- Fully automatic, dry priming to 28 feet
- Moderate heads to 168 feet
- Maximum flows to 2,600 gpm
- Handles solids to 3"
- Modular frame included with optional removable drop-on Silent Knight® sound enclosure
- Maximum operating time is:
33 hours @ 2,000 rpm
44 hours @ 1,800 rpm
60 hours @ 1,600 rpm
- 78 SCFM H3F vacuum pump air handling capacity

Super Suction Features and Benefits

SUPER SUCTION VACUUM-ASSISTED PRIMING SYSTEM

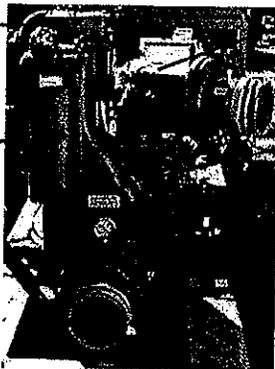


Thompson's exclusive Super Suction vacuum-assisted system works with a self-priming pump to provide the fastest priming in the industry. Water and air passes through a cross section tank and then into the vacuum pump forcing the water to rise in the separation tank until a balance point is reached.

Air cyclone vapor recovery system to prevent discharge of contaminants

Air separator assembly

* Some features not available on all models



Discharge priming valve

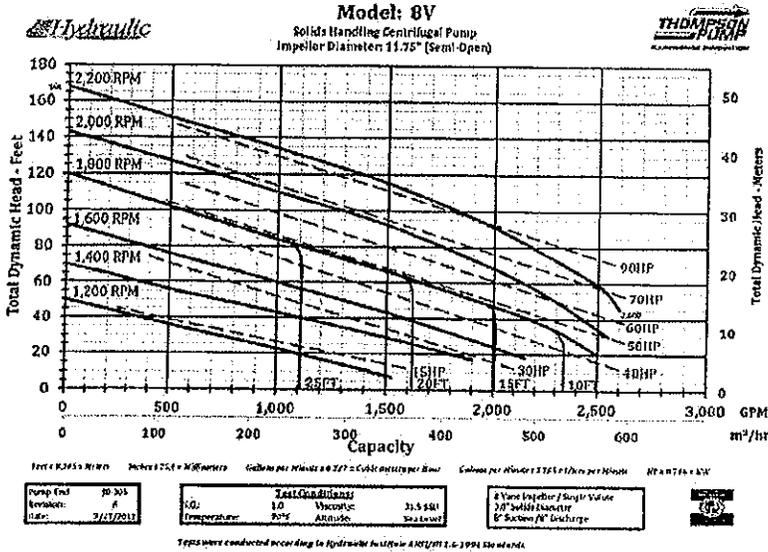
Cast iron pump with maximum solids capacity of 3"

- Provides fastest priming system in portable pump dewatering industry
- Prevents discharge of pumping effluent onto the ground
- Eliminates need for a waste hose
- Eliminates need to fill up pump housing with water to obtain original prime at start-up

8" Vacuum-Assisted Solids Handling Pump 8V-DJDS-45T-M



8V-DJDS-45T-M Performance Curve



Unit Specifications

Fuel Tank Capacity: 140 US gallons
Fuel Consumption: 4.19 gph @ 2,200 rpm
Maximum Operating Speed: 2,200 rpm
Maximum Operating Temperature: 200°F
Maximum Operating Pressure: 75 psi
Maximum Casing Pressure: 110 psi

Engine Specifications

Engine: John Deere 4045T, 72 hp @ 2,000 rpm
Type: 4-cylinder, in-line, 4-cycle, water-cooled, turbo-charged, direct-injected, Interim Tier IV diesel
Standard Equipment: Alternator, radiator, EPA certified emissions exhaust muffler
Displacement: 275 cubic inches
Fuel Economy: .397 lb/hp-hr @ 2,000 rpm
 .395 lb/hp-hr @ 1,800 rpm
 .397 lb/hp-hr @ 1,600 rpm
Automatic Shutdowns: Low lube oil pressure; high water temperature

Materials of Construction

Pump Casing: Heavy-duty class 30 cast-iron with built-in volute
Impeller: Dynamically balanced, two-vane, non-clogging, semi-open, ductile iron, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life. Diameter 11.75"
Mechanical Seal: 65 mm type AR3, grease or oil lubricated with Tungsten Carbide rotating and stationary seal faces.
Head: Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design
Bearings and Frame: Heavy-duty grease lubricated to carry both axial and radial loads. Frame is heavy-duty class 30 cast iron.
Shaft: Constructed of SEA 4140 alloy steel and fitted with a 304 stainless steel shaft sleeve
Wear Plate: Replaceable, class 30 cast iron with abrasion resistant rubber facing to extend service life
Suction Check Valve: Built in weighted, full-flow valve to eliminate re-priming with each cycle

Vacuum Pump Specifications

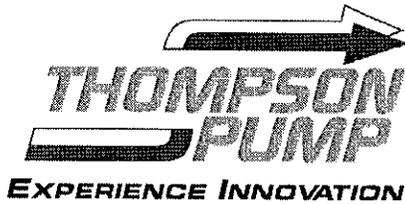
Vacuum Pump: Positive displacement, rotary vane, air cooled, oil lubricated (6.5 Hp)
Casing: Class 30 cast iron
Maximum Operating Temperature: 200°F
Maximum Working Pressure: 15 psi
Maximum Suction Lift: 28 feet
Air Handling Capacity: 78 SCFM

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8" Solids Handling Enviroprime® Pump

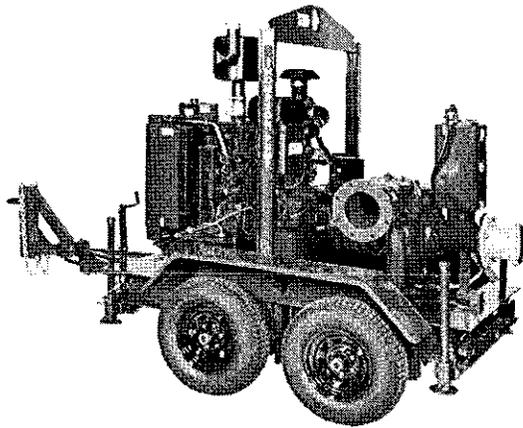
Model: 8JSCE-DJDST-45H-M



With its heavy-duty cast-iron construction, ability to dry-prime and re-prime automatically, this end-suction centrifugal pump leads the industry in construction, industrial and mining applications. The Thompson 8JSCE-DJDST-45H-MC ENVIROPRIME® Solids Handling Pump is designed for high flows and heads to 300 feet making it perfect for sewage bypass pumping or general construction dewatering. The 8JSCE-DJDST-45H-MC pump provides flow rates to 3,200 gpm and solids handling to 3".

ENVIROPRIME SYSTEM® with Compressor

- Thompson's innovative priming system preventing blow-by of sewage, effluent and waste from discharging onto the ground. This system, with Thompson's compressor priming system, offers mid-range air handling capabilities for quick priming.



Consult factory for other versions & options including site trailers, sound attenuation, etc.

Pump End Materials	
Pump Casing	Heavy-duty 65-45-12 ductile iron
Impeller	Dynamically balanced, non-clogging, enclosed, 65-45-12 ductile iron with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life; Diameter 14"
Mechanical Seal	2.5" dry-running, grease or oil lubricated with Tungsten Carbide rotating and Silicon Carbide stationary seal faces. Other components are 304 stainless steel and viton.
Head	Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design.
Bearing & Frame	Heavy-duty grease lubricated to carry both axial and radial loads. Frame, heavy-duty class 30 cast iron
Shaft	'Stress-proof' steel and fitted with a renewable 416 stainless steel shaft sleeve

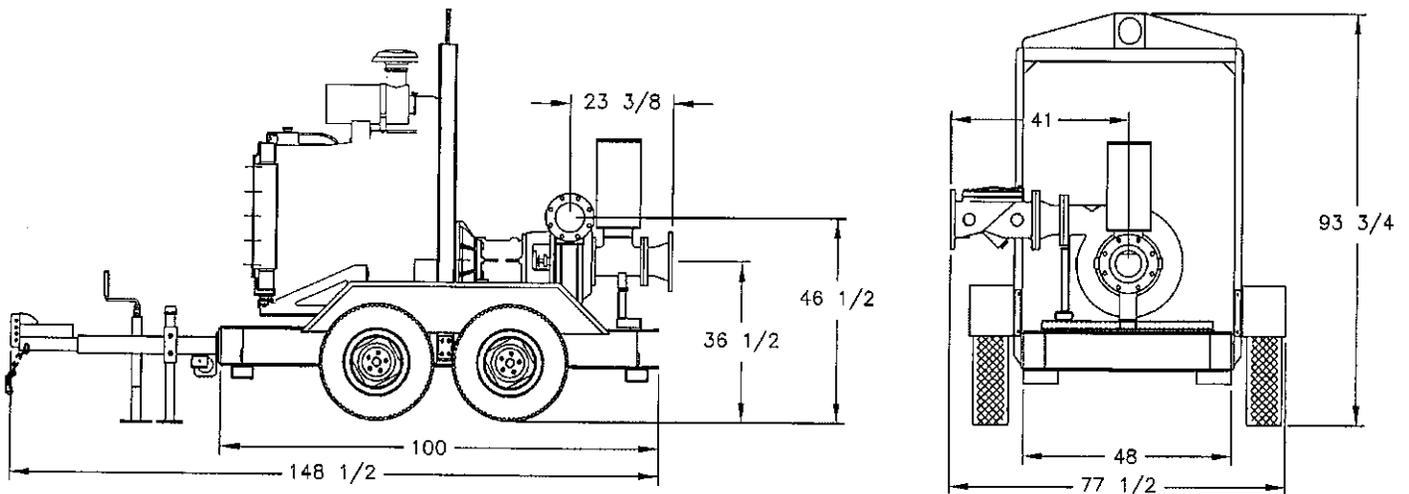
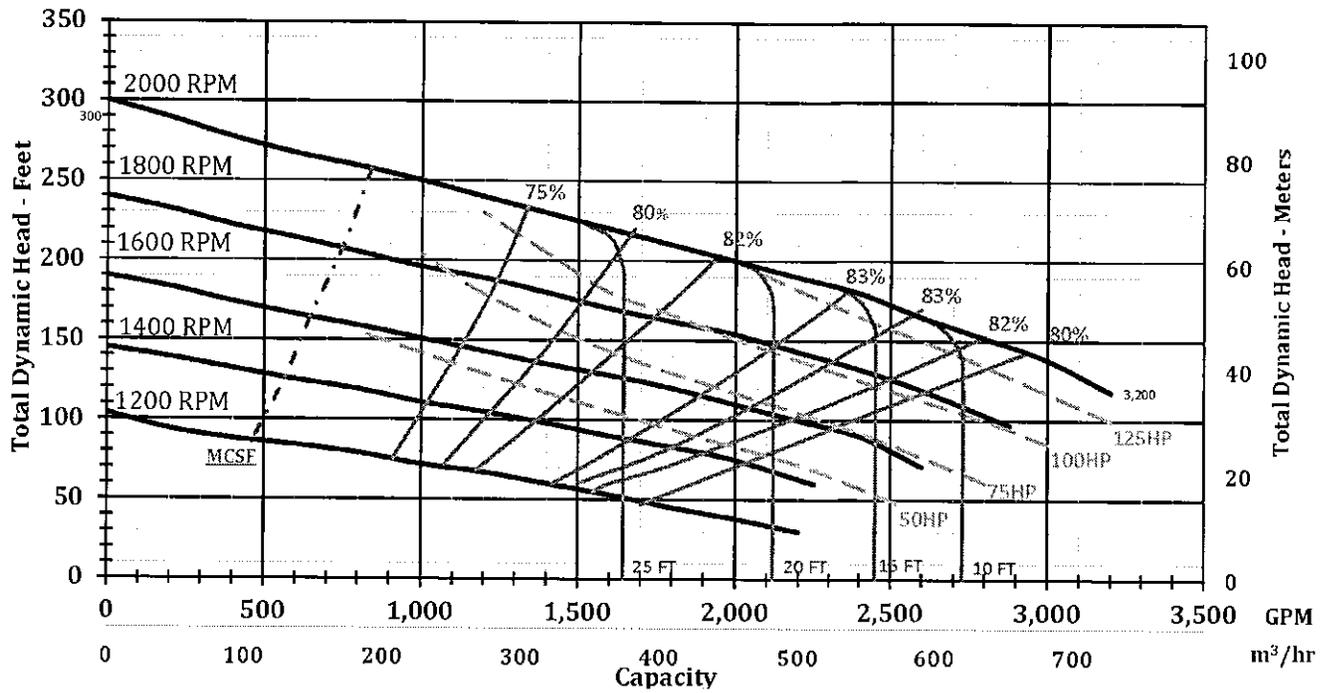
TECHNICAL SPECIFICATIONS

Suction Size	8" (20.32 cm)	Approximate Dry Weight	6,530 lbs (2,962 kg)
Discharge Size	6" (15.24 cm)	Fuel Tank	114 Gal (431.54 L)
Maximum Flow Capacity	3,200 gpm (726.4 m ³ /h)	Fuel Consumption @ 1,800 rpm	7.1 GPH (26.88 L/h)
Maximum Head	300 ft (91.44 m)	Best Efficiency Point	83%
Maximum Solids Handling	3" (7.62 cm)	Maximum Operating Times	Fuel Economy
Maximum Operating Speed	2,000 rpm	16 hours @ 2,000 rpm	0.350 lb/hp-hr@2,000 rpm
Maximum Operating Temp.	200°F (93.33°C)	21 hours @ 1,800 rpm	0.351 lb/hp-hr@1,800 rpm
Maximum Operating Pressure	130 psi (895 kPa)	27 hours @ 1,600 rpm	0.360 lb/hp-hr@1,600 rpm

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Engine Specification

Engine Model	John Deere 4045H, 149 hp @ 2,000 rpm	Standard Equipment	Alternator, radiator, muffler, and residential grade silencer muffler
Type	4-cylinder, in-line, 4-cycle, water-cooled, turbo-charged, direct-injected, Tier III diesel	Automatic Shut-downs	Low lube oil pressure; high water temperature

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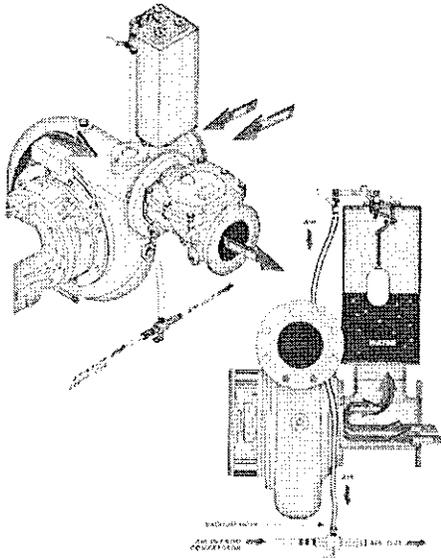


12" Solids Handling ENVIROPRIME® Jet Pump

12JSCJ-DJDS-45H-M



With its heavy-duty cast-iron construction, ability to dry-prime and re-prime automatically, this end-suction centrifugal pump leads the industry in construction, industrial and mining applications. The Thompson 12JSCJ-DJDS-45H-M ENVIROPRIME® Solids Handling Jet Pump is designed for high flows to 7,300 gpm and moderate heads to 102 feet making it perfect for sewage bypass pumping or general construction dewatering.



Consult factory for other versions & options including site trailers, sound attenuation, etc.

ENVIROPRIME SYSTEM® with Compressor

- Thompson's innovative priming system preventing blow-by of sewage, effluent and waste from discharging onto the ground. This system, with Thompson's compressor priming system, offers mid-range air handling capabilities for quick priming.

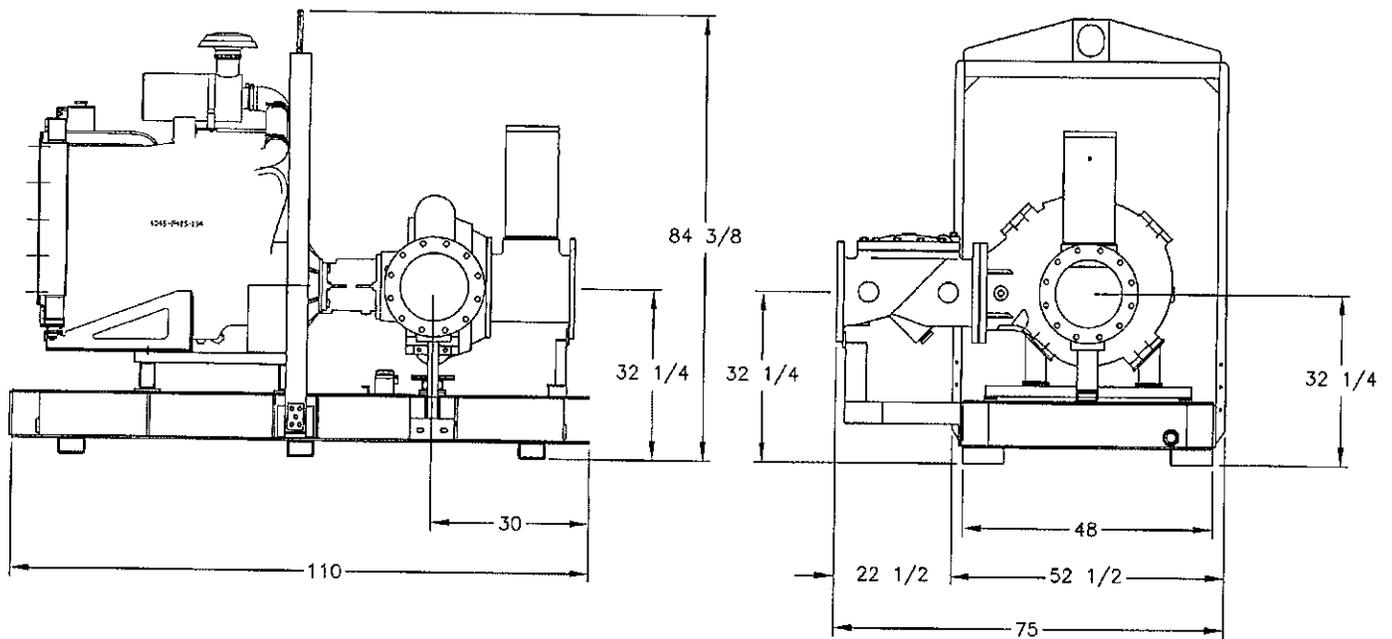
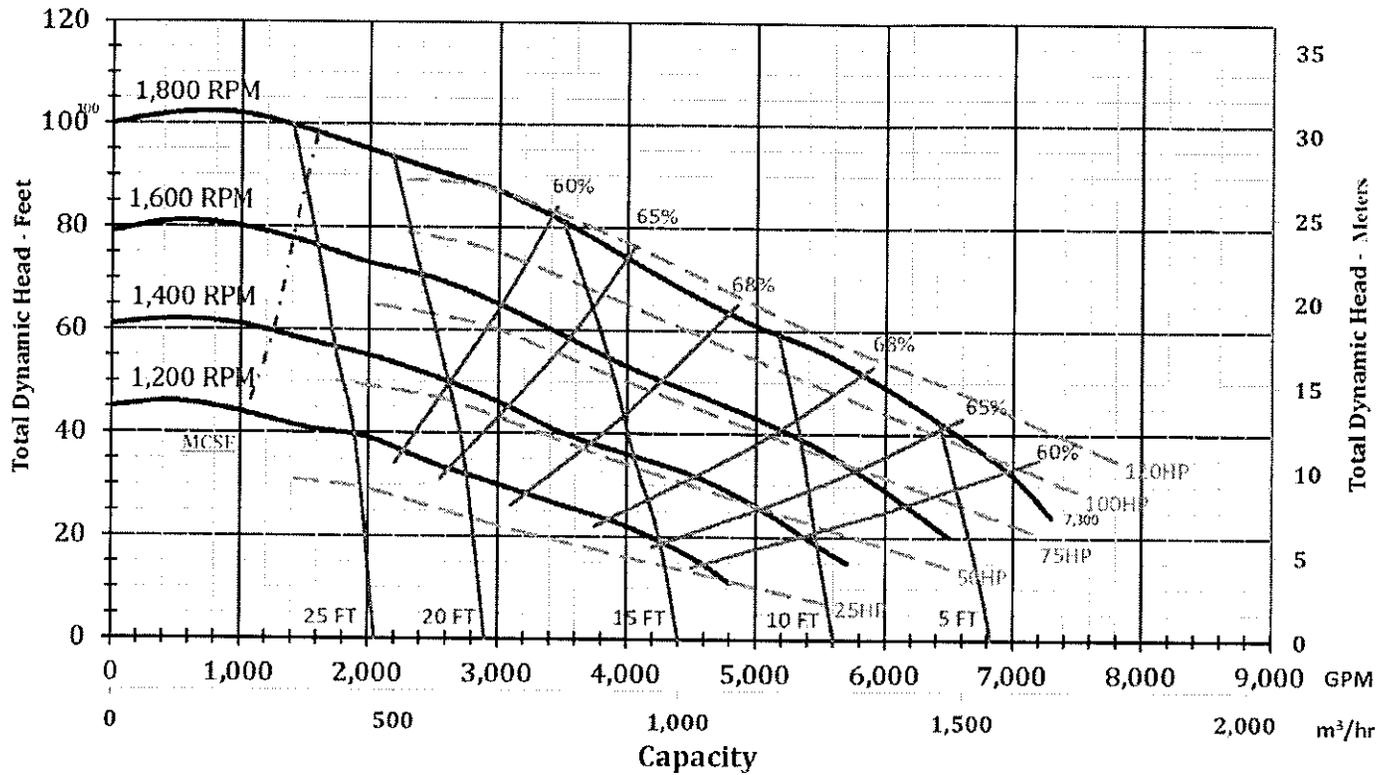
<i>Materials</i>	
Pump Casing	Heavy-duty class 30 cast-iron
Impeller	Dynamically balanced, non-clogging, enclosed, 65-45-12 ductile-iron, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life; diameter 12.88" x 27°
Mechanical Seal	3" run-dry oil lubricated with Tungsten Carbide rotating and Silicon Carbide stationary seal faces. Single inside mounted, non-pusher type with self-adjusting elastomeric bellows. Other components are 304 stainless steel and viton.
Bearings & Frame	Heavy-duty bearing, grease lubricated to carry both axial and radial loads, Heavy-duty class 30 cast-iron frame
Suction Wear Ring	Replaceable, 65-45-12 ductile iron
Shaft	'Stress-proof' steel and fitted with a renewable 416 stainless steel shaft sleeve
Head	Rugged, back pull out design, heavy duty class 30 cast iron with tapered bore design

TECHNICAL SPECIFICATIONS

Suction Size	12" (30.48 cm)	Approximate Dry Weight	6270 lbs (2844 kg)
Discharge Size	12" (30.48 cm)	Fuel Tank	127 Gal (480 L)
Maximum Flow Capacity	7,300 gpm (1657 m ³ /h)	Fuel Consumption @ 1,800 rpm	6.61 GPH (25 L/h)
Maximum Head	102 ft (31 m)	Best Efficiency Point	68 %
Maximum Solids Handling	3" (7.62 cm)	Maximum Operating Times	Fuel Economy
Maximum Operating Speed	1,800 rpm	19 hours @ 2,000 rpm	.350 lb/hp-hr@2,000 rpm
Maximum Operating Temp.	200°F (93.33°C)	21 hours @ 1,800 rpm	.351 lb/hp-hr@1,800 rpm
Maximum Operating Pressure	44 psi (304 kPa)	30 hours @ 1,600 rpm	.360 lb/hp-hr@1,600 rpm

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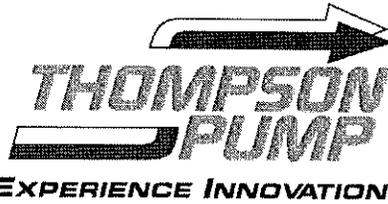
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Engine Specification

Engine Model	John Deere 4045H, 139 hp @ 1,800 rpm	Standard Equipment	Alternator, radiator, muffler and exhaust stack with rain protection
Type	4-cylinder, in-line, 4-cycle, water-cooled, turbo charged, direct-injected, Tier III die-	Automatic Shutdowns	High coolant temperature; Low oil pressure

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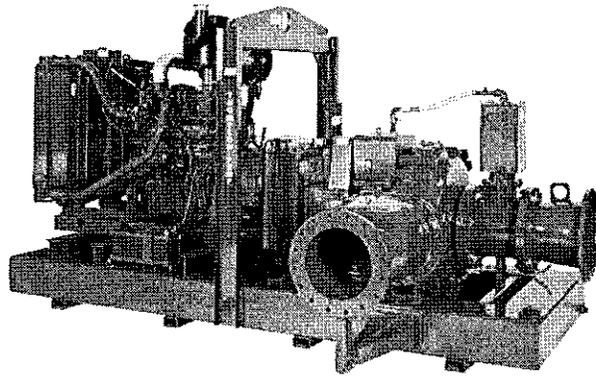


18" Vacuum-Assisted Solids Handling Pump (Dry Prime)

Model: 18JSVK-DJDS-90H



With its heavy-duty cast-iron construction and fast priming capabilities, this solids handling jet pump leads the industry in construction, industrial and municipal applications. The Thompson 18JSVK-DJDS-90H is designed for high flows to 11,000 gpm and heads to 161 feet making it perfect for sewage bypass pumping or general construction dewatering.



Consult factory for other versions & options including site trailers, sound attenuation, etc.

ENVIROPRIME SYSTEM[®] with OVT

- Thompson's innovative priming system preventing blow-by of sewage, effluent and waste from discharging onto the ground. This system, with Thompson's OVT system, offers 97 CFM air handling capabilities for quick priming.

Pump End Materials	
Pump Casing	Heavy-duty class 30 cast-iron with replaceable wear ring
Impeller	Dynamically balanced, non-clogging, enclosed, class 30 cast iron with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life; Diameter 17.5"
Mechanical Seal	3" dry-running, oil or grease lubricated with Tungsten Carbide rotating and Silicon Carbide stationary seal faces. Single inside mounted, non-pusher type with self-adjusting elastomeric bellows. Other components are 304 stainless steel and Viton.
Head	Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design.
Bearings & Frame	Heavy-duty grease lubricated to carry both axial and radial loads. Frame, heavy-duty class 30 cast iron
Shaft	'Stress-proof' steel and fitted with a renewable 416 stainless steel shaft sleeve

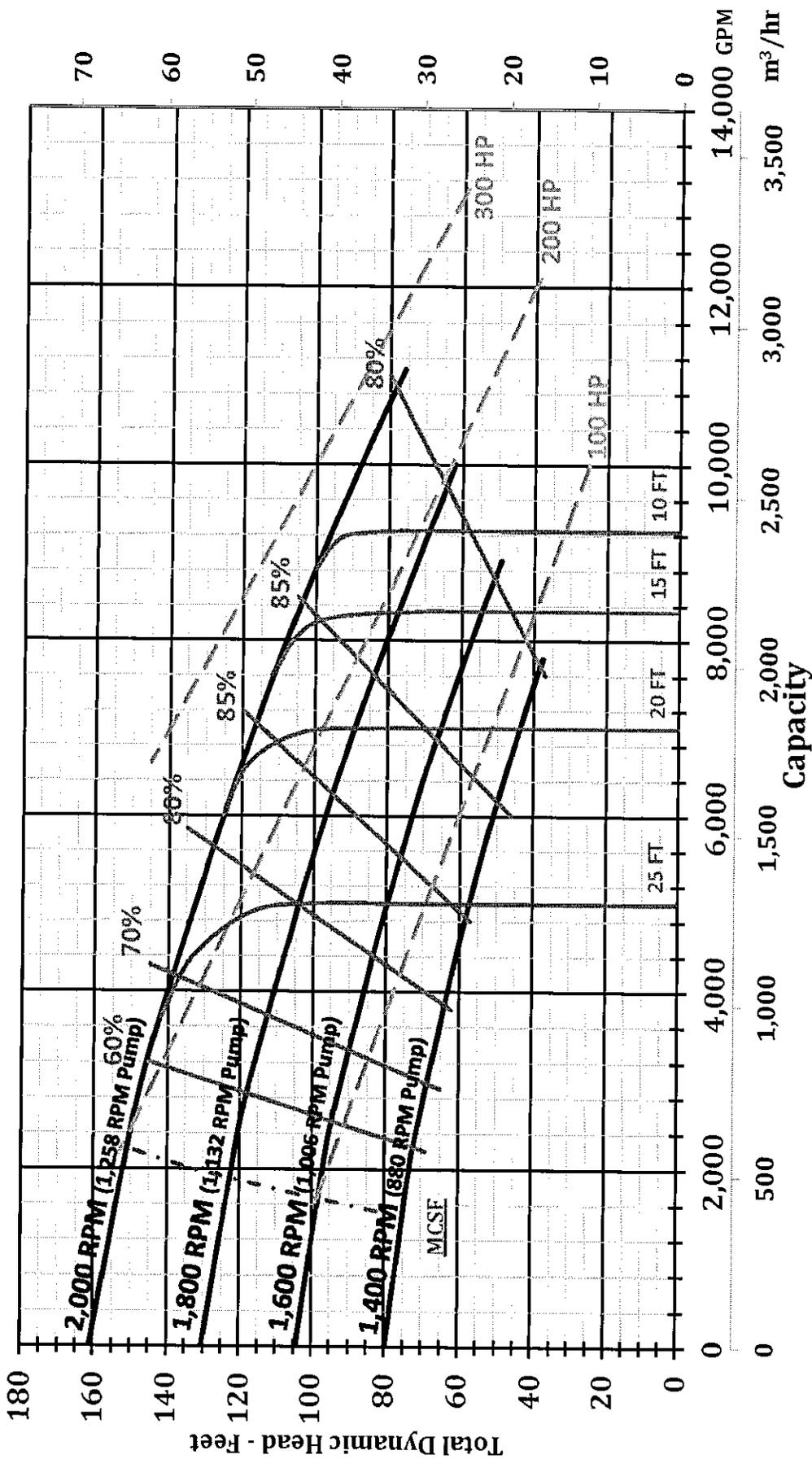
TECHNICAL SPECIFICATIONS

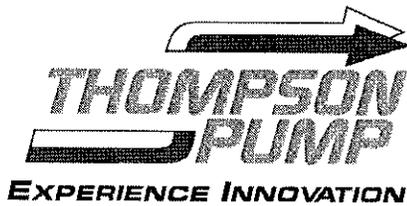
Suction Size	18 in (45.72 cm)	Approximate Dry Weight	10,700 lbs (4853.43 kg)
Discharge Size	16 in (40.64 cm)	Fuel Tank	220 gal (832.79 L)
Maximum Flow Capacity	11000 gpm (2497 m ³ /h)	Fuel Consumption @ 2000 rpm	14.46 gph (54.74 L/h)
Maximum Head	161 ft (49.07 m)	Best Efficiency Point	85 %
Maximum Solids Handling	4 in (10.16 cm)	Maximum Operating Times	Fuel Economy
Maximum Operating Speed	2000 rpm	15 hours @ 2000 rpm	0.338 lb/hp-hr @ 2000 rpm
Maximum Operating Temp.	200 °F (93.33 °C)	22 hours @ 1800 rpm	0.331 lb/hp-hr @ 1800 rpm
Maximum Operating Pressure	70 psi (480.54 kPa)	30 hours @ 1600 rpm	0.321 lb/hp-hr @ 1600 rpm

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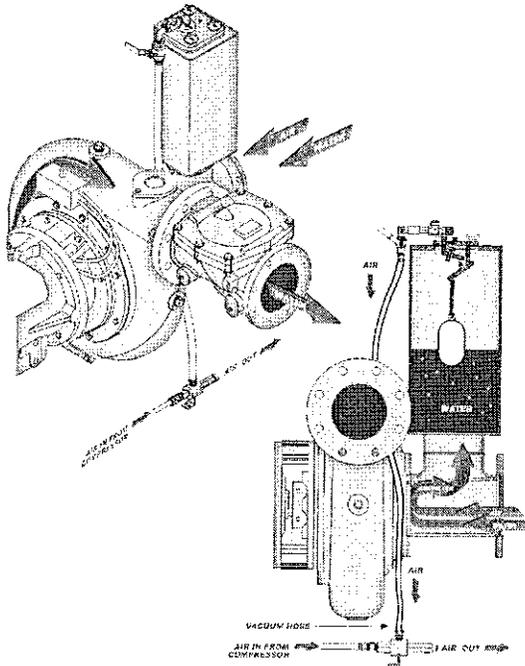
4" High Pressure Compressor-Assisted Jet Pump Model: 4JCA-DJDS-45T



With its heavy-duty cast-iron construction and high-pressure capability, this end-suction centrifugal pump leads the industry in construction, industrial and marine applications. The Thompson 4JCA-DJDS-45T ENVIROPRIME® Jet Pump is designed for moderate flows to 840 gpm and high heads to 280 feet making it perfect for jetting in wellpoint systems.

ENVIROPRIME SYSTEM® with Compressor

- Thompson's innovative priming system preventing blow-by of sewage, effluent and waste from discharging onto the ground. This system, with Thompson's compressor priming system, offers mid-range air handling capabilities for quick priming.



Consult factory for other versions & options including site trailers, sound attenuation, etc.

Materials

Pump Casing	Rugged, heavy-duty class 30 cast-iron
Impeller	Dynamically balanced, enclosed, SAE 40 bronze, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life. Diameter 14"
Mechanical Seal	2.5" dry-running, grease or oil lubricated with Tungsten Carbide rotating and Silicon Carbide stationary seal faces. Single inside mounted, non-pusher type with self-adjusting elastomeric bellows. All other components are 304 stainless steel and nitrile.
Shaft	'Stress-proof' SAE 1144 steel and fitted with a renewable SAE 660 bronze shaft sleeve.
Backplate	Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design
Bearings & Frame	Heavy-duty grease lubricated to carry both axial and radial loads with heavy duty class 30 cast iron frame
Suction Wear Ring	Replaceable, SAE 660 bronze.

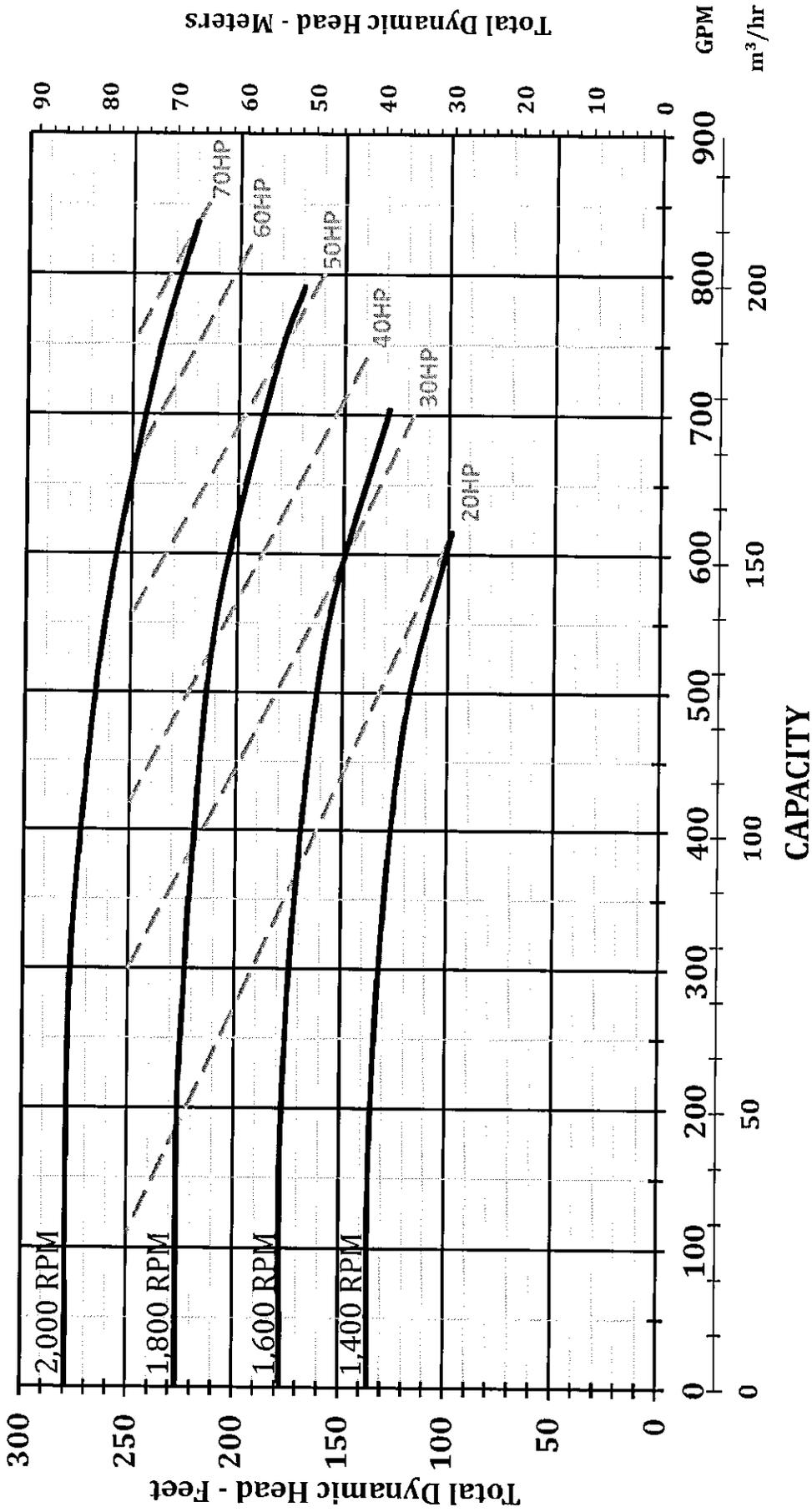
TECHNICAL SPECIFICATIONS

Suction Size	6 in (15.24 cm)	Approximate Dry Weight	TBD
Discharge Size	3 in (7.62 cm)	Fuel Tank	62 gal (234.7 L)
Maximum Flow Capacity	840 gpm (190.68 m ³ /h)	Fuel Consumption@2000 rpm	4.08 gph (15.44 L/h)
Maximum Head	280 ft (85.34 m)	Maximum Operating Times	Fuel Economy
Maximum Solids Handling	0.5 in (1.27 cm)	15 hours @ 2000 rpm	0.397 lb/hp-hr @ 2000 rpm
Maximum Operating Speed	2000 rpm	17 hours @ 1800 rpm	0.395 lb/hp-hr @ 1800 rpm
Maximum Operating Temp.	200 °F (93.33 °C)	25 hours @ 1600 rpm	0.397 lb/hp-hr @ 1600 rpm
Maximum Operating Pressure	121 psi (835.73 kPa)		

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sales@thompsonpump.com

Aug-15



Engine Specification

Engine Model	John Deere 4045T, 72 hp @ 2,000 rpm	Standard Equipment	4-cylinder, in-line, 4-cycle, water-cooled, turbo-charged, direct-injected, Interim Tier IV diesel
Type	4-cylinder, in-line, 4-cycle, water-cooled, turbo-charged, direct-injected, Interim Tier IV diesel	Automatic Shutdowns	Low lube oil pressure; high water temperature

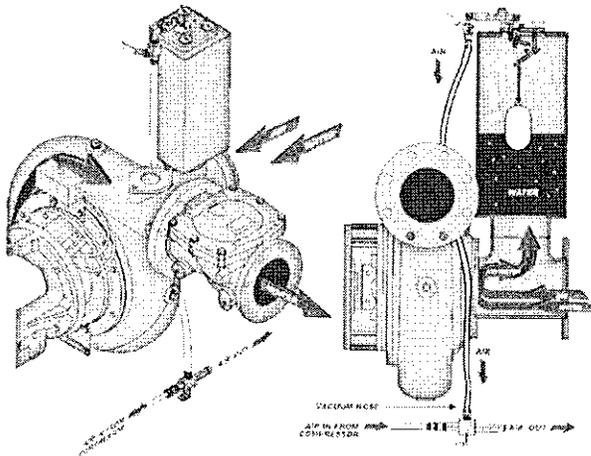
Specifications and illustrations are subject to revision without notice and without incurring any obligation for previous or subsequent equipment sold. Thompson Pump (ISO 9001:2008) makes no representation regarding the completeness or accuracy of this information and is not liable for any direct or indirect damages arising from or relating to this information or its use. Capacity & Head are shown for comparative purposes. Consult Thompson factory for exact capabilities.

6" High-Pressure ENVIOPRIME® Jet Pump 6JCB-DJDS-45H

With its heavy-duty cast-iron construction and high-pressure capability, this end-suction centrifugal pump leads the industry in construction, industrial and marine applications. The Thompson 6JCB-DJDS-45H ENVIOPRIME® Jet Pump is designed for high flows to 1,600 gpm and high heads to 425 feet making it perfect for jetting in wellpoint systems.

Features

- Standard engine – John Deere 4045HF485-154.
- Fully automatic, dry priming to 28 feet.
- Moderate heads to 425 feet; Maximum flows to 1,600 gpm; spherical solids handling to .62"
- Maximum psi: 173
- Available with modular frame or removable drop-on Silent Knight® sound enclosure
- Maximum operating time is:
 - 9 hours @ 2,200 rpm
 - 11 hours @ 2,000 rpm
 - 16 hours @ 1,800 rpm
 - 20 hours @ 1,600 rpm
- ENVIOPRIME® compressor-assisted priming system prevents blow-by allowing pump to be environmentally safe

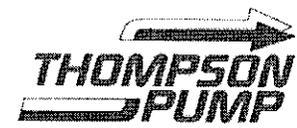


ENVIOPRIME® system

Thompson's exclusive ENVIOPRIME® dry-priming system works in conjunction with the compressor/venturi priming system to prevent blow-by, such as sewage and waste, from discharging onto the ground. The system works automatically, evacuating the air from the suction line during startup, as well as any air or gases introduced into the suction line during the pumping process.

Features and Benefits

- Handles large volumes of air, producing quicker priming times.
- Eliminates need for a venturi waste hose
- Extends the life of the pump by separating air and water, keeping the venturi from clogging and shutting down the system.
- Allows for optional noise suppressor
- This innovative system, along with high efficiency impellers, lessens power requirements resulting in reduced operating costs.


**THOMPSON
PUMP**
EXPERIENCE INNOVATION

6" High-Pressure ENVIROPRIME® Jet Pump 6JCB-DJDS-45H



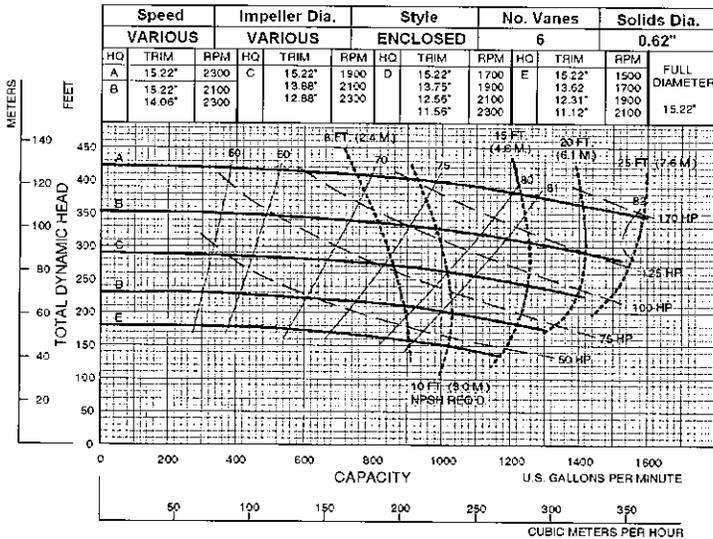
Engine Specifications

Engine: John Deere 4045H, 149 hp @ 2,000 rpm
Type: 4-cylinder, in-line, 4-cycle, water-cooled, turbo-charged, direct-injected, Tier III diesel
Standard Equipment: Alternator, radiator, muffler, and residential grade silencer muffler
Displacement: 275 cubic inches
Fuel Economy: .350 lb/hp-hr @ 2,000 rpm
 .351 lb/hp-hr @ 1,800 rpm
 .360 lb/hp-hr @ 1,600 rpm
Automatic Shutdowns: Low lube oil pressure; high water temperature

Materials of Construction

Pump Casing: Rugged, heavy-duty class 30 cast-iron
Shaft: 'Stress-proof' SAE 1144 steel and fitted with a renewable SAE 660 bronze shaft sleeve.
Impeller: Dynamically balanced, enclosed, SAE 40 bronze, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life. Diameter 15.22"
Suction Wear Ring: Replaceable, SAE 660 bronze.
Mechanical Seal: 2.5" dry-running, grease or oil lubricated with Tungsten Carbide rotating and Silicon Carbide stationary seal faces. Single inside mounted, non-pusher type with self-adjusting elastomeric bellows. All other components are 304 stainless steel and nitrile.
Backplate: Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design.
Bearings: Heavy-duty grease lubricated to carry both axial and radial loads.
Bearing Frame: Heavy-duty class 30 cast iron

6JCB-DJDS-45H Performance Curve



Unit Specifications

Fuel Tank Capacity: 65 US gallons
Fuel Consumption: 7.03 gallons per hour
Maximum Operating Speed: 2,200 rpm
Maximum Operating Temperature: 212°F
Maximum Working Pressure: 225 psi
Maximum Suction Lift: 28 feet
Maximum Casing Pressure: 350 psi

In the interest of product improvement, Thompson Pump & Manufacturing (ISO9001:2008) reserves the right to change specifications without incurring any obligation for equipment previously or subsequently sold. Capacity, Head and Pump Curve are for comparative purposes. We certify that this product meets or exceeds any applicable design or performance standards prescribed by the Contractors Pump Bureau. This product has been tested in accordance with the procedures defined by the Hydraulic Institute. Consult engineering data for exact capabilities.

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High-Density Polyethylene Pipe

Introduction

ISCO Industries, LLC is the largest high-density polyethylene pipe distributor in North America. ISCO can serve your needs anywhere in the USA and internationally. ISCO offers a complete package of HDPE piping products. Butt fusion machines are offered for sale or rental. Fusion technicians are available to provide on-site training or assistance to your project. Please call 1-800-345-ISCO for all your HDPE piping needs.

Some of The Characteristics of HDPE Pipe are:

Economical	Flexible and Coilable
Corrosion Resistant	Heat Fused
Zero Leak-Rate	Mechanically Joined (As Needed)
Hydraulically Smooth	Strong and Ductile
Fatigue and Surge Resistant	Weather Resistant
Long Design Life	Impact Resistant
Tappable	Freeze Resistant
Chemically Resistant	Durable
Easily Installed	Abrasion Resistant
Small to Large Diameters	Inert
Non-Toxic, Non-Tasting	Self Restrained Pipe (Monolithic)
Lightweight	Listed and Approved
Reliable	

HDPE Pipe

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Important Standards for High Density Polyethylene (HDPE) Pipe

Standards important for HDPE pipe relate to the resin the pipe is made from and the standards related to manufacturing sizes and tolerances. The American Society of Testing Materials (ASTM) standard for resin from which the pipe is made is ASTM D 3350-05, Standard Specification for Polyethylene Plastics Pipe and Fittings Materials. This standard defines the physical properties of the resin that the pipe is made from.

Pipe dimensions and manufacturing requirements:

ASTM F 714-05 Standard Specification for Polyethylene (PE) Pipe (SDR-PR) Based on Outside Diameter. This standard is used for most large diameter HDPE pipe (4" to 63") applications other than gas pipe.

ASTM D 2513-05 Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings. Polyethylene pipe and other plastic for natural gas distribution are described in great detail in this standard.

ASTM D 3035-03a Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter. Most HDPE water tubing (1/2 inch to 3") is made to the dimensions in this standard. While pipe sizes up to 24" are provided, very little large diameter pipe is made to this standard.

Installation Standards:

ASTM D 2321-05 Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity Flow Applications

ASTM D 2774-04 Standard Practice for Underground Installation of Thermoplastic Pressure Piping

ASTM F 1962 Standard Guide for Use of Maxi-Horizontal Directional Drilling for Placement of Polyethylene Pipe or Conduit under Obstacles, Including River Crossings

ASTM F 585-94 Standard Practice for Insertion of Flexible Polyethylene Pipe into Existing Sewers

American Water Works Association Standards

ANSI/AWWA C 901-2005 Polyethylene Pressure Pipe and Tubing, .5 in (13 mm) Through 3 in. (76 mm) for Water Services

ANSI/AWWA C 906-2006 Polyethylene Pipe and Fittings, 4 in (100 mm) Through 63 In (1,575 mm) for Water Distribution

Pipe Joining Standards:

ASTM F 2620 – Standard Practice for Heat Fusion of Polyethylene Pipe and Fittings

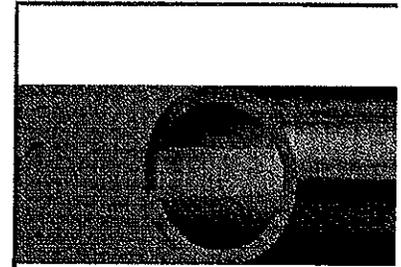
ASTM D 2657 – Standard Practice of Heat Fusion Joining of Polyolefin Pipe and Fittings

ASTM F 1290 – Standard Practice for Electrofusion Joining Polyolefin Pipe and Fittings

Fitting Standards

ASTM D 3261 Standard Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Butt Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing

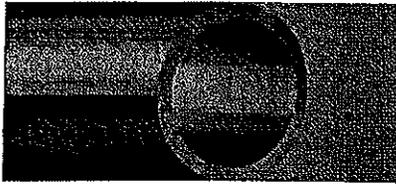
ASTM F 1055 Standard Specification for Electrofusion Fittings for Outside Diameter Controlled Polyethylene Pipe and Tubing



HDPE Pipe

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HDPE Pipe

Specifications for HDPE Pipe

The physical properties of high-density polyethylene pipe are described using ASTM D 3350-05, "Standard Specification for Polyethylene Plastic Pipe and Fittings Materials". Recently this standard was changed. The two key areas changed are, density and slow crack growth. In the 05 version, the cell classifications for density were increased from four cells to seven cells defining the density ranges for various resins.

New high performance bimodal resins, PE 4710 resins, have higher PENT test values. Slow crack growth properties can now be defined using eight cells.

As of December 2006, most HDPE pipe is made from resin with a cell classification of PE 345464C. The pipe is labeled as PE3408/3608. The physical properties for PE 345464C are:

PROPERTY VALUE	SPECIFICATION	UNIT	NOMINAL VALUE
Material Designation	PPI / ASTM		PE 3408/3608
Cell Classification	ASTM D 3350		345464C
Density (3)	ASTM D 1505	g/cm ³	0.941-943
Melt Index (4)	ASTM D 1238	gm/ 10 min	0.05 -.11
Flexural Modulus (5)	ASTM D 790	psi	110,000 to 140,000
Tensile Strength (4)	ASTM D 638	psi	3,200
Slow Crack Growth			
ESCR	ASTM D 1693	hours in 100% igepal	>5,000
PENT (6)	ASTM F 1473	hours	>100
HDB @ 73 deg F (4)	ASTM D 2837	psi	1,600
UV Stabilizer (C)	ASTM D 1603	%C	2 to 2.5%

The density provided is without carbon black. Typical HDPE pipe has a density of .955 to .957 with carbon black.

Types of Polyethylene Pipe

All polyethylene (PE) is not the same. In ASTM D 3350-05, low density PE is defined as having a density range of 0.919 to 0.925 g/cc; medium density has a range of 0.926 to 0.940 g/cc and high density is defined with a range from 0.941 to 0.955. All densities are without carbon black.

Density influences key properties in polyethylene materials. As the density increases, the tensile strength increases; also chemical resistance increases.

Medium density PE resins have been used for gas distribution. This original selection was made based on superior slow crack growth properties of medium density resins. Medium density pipe is designated as PE 2406 and PE 2708.

Today new bimodal resins are being used in gas distribution because of higher pressure ratings plus superior slow crack growth. These resins are designated PE 3408, PE 3608, PE 3708, PE 3710 and PE 4710.

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Slow Crack Growth

The Pent test is used to determine stress crack resistance for PE resins. The PENT test is conducted in accordance with ASTM F 1473, "Standard Test Method for Notch Tensile Test to Measure the Resistance to Slow Crack Growth of Polyethylene Pipes and Resins". This test uses a solid sample of material which is notched and tested.

The PENT test is a good test of slow crack growth. Scratches and gouges can cause crack propagation. Materials with high PENT numbers are less likely to fail because of slow crack growth.

Traditional PE 3408/3608 resins have PENT test values of about 100 hours. New bimodal resins used to make PE 3710 and PE 4710 pipes have values ranging from 600 hours to several thousand hours.

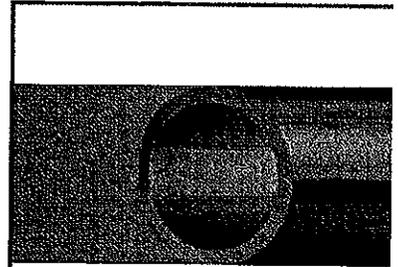
Physical Properties of PE 4710

HDPE pipe with a designation of PE 4710 is made from resin with a cell classification of PE 445474C or PE 445574C. We suggest using a specification calling for a minimum cell classification of PE 445474 C or higher. Both cell classifications can be used if specified in this way. The pipe is labeled as PE 4710. The physical properties for PE 445474C are provided below:

PROPERTY VALUE	SPECIFICATION	UNIT	NOMINAL VALUE
Material Designation	PPI / ASTM		PE 4710
Cell Classification	ASTM D 3350		445474 C
Density	(4) ASTM D 1505	g/cm ³	0.947-955
Melt Index	(4) ASTM D 1238	gm/ 10 min	<.15
Flexural Modulus	(5) ASTM D 790	psi	110,000 to 160,000
Tensile Strength	(5) ASTM D 638	psi	3500-4000
Slow Crack Growth			
ESCR	ASTM D 1693	hours in 100% igepeal	>5,000
PENT	(7) ASTM F 1473	hours	>500
HDB @ 73 deg F	(4) ASTM D 2837	psi	1,600
UV Stabilizer	(C) ASTM D 1603	%C	2 to 2.5 %

The density provided is without carbon black. Typical PE 4710 HDPE pipe has a density of 0.966 to 0.964 with carbon black.

To be called a PE 4710, the pipe and resin has substantiation at 50 years.

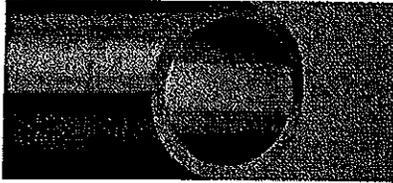


HDPE Pipe

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PE 3608/3408 IPS HDPE Pipe Sizes



HDPE Pipe

- Items highlighted in Blue indicates standard stocking items that are more readily available.
- Pressures are based on using water at 23°C (73°F).
- Average inside diameter calculated using nominal OD and minimum wall plus 6% for use in estimating fluid flows. Actual ID will vary.
- Other piping sizes or DR's may be available upon request.
- Standard Lengths:
40' for 2"-24"
50' for 26" and larger
Colls available for 3/4"-6"(8" by special order)

Pressure Rating	Nominal Size Actual O.D.	3/4"	1"	1 1/4"	1 1/2"	2"	3"	4"	5"	5"	6"	7"	8"	10"	12"	14"	16"
		DR 7 (267psi)	Min. wall	0.150"	0.186"	0.237"	0.271"	0.339"	0.506"	0.643"	0.768"	0.785"	0.946"	1.018"	1.252"	1.536"	1.821"
	Average I.D.	0.732"	0.917"	1.157"	1.325"	1.656"	2.440"	3.137"	3.747"	3.878"	4.619"	4.967"	6.013"	7.494"	8.895"	9.760"	11.42"
	Weight lb/ft	0.190	0.290	0.460	0.603	0.950	2.060	3.400	4.850	5.200	7.360	8.490	12.480	18.400	27.280	32.900	42.970
DR 7.3 (254psi)	Min. wall	0.144"	0.180"	0.227"	0.256"	0.325"	0.479"	0.616"	0.736"	0.762"	0.908"	0.976"	1.182"	1.473"	1.747"	1.916"	2.182"
	Average I.D.	0.745"	0.933"	1.178"	1.348"	1.665"	2.484"	3.193"	3.814"	3.947"	4.701"	5.056"	6.120"	7.628"	9.047"	9.934"	11.253"
	Weight lb/ft	0.180	0.290	0.445	0.583	0.911	1.990	3.280	4.680	5.020	7.120	8.230	12.000	18.740	26.360	31.780	41.510
DR 9 (200psi)	Min. wall	0.117"	0.146"	0.184"	0.211"	0.254"	0.389"	0.500"	0.597"	0.618"	0.736"	0.792"	0.958"	1.194"	1.417"	1.556"	1.778"
	Average I.D.	0.803"	1.005"	1.269"	1.452"	1.816"	2.678"	3.440"	4.109"	4.253"	5.084"	5.447"	6.593"	8.218"	9.747"	10.702"	12.231"
	Weight lb/ft	0.150	0.234	0.372	0.490	0.770	1.860	2.750	3.920	4.200	5.932	6.890	10.054	15.680	22.070	26.610	34.750
DR 11 (160psi)	Min. wall	0.065"	0.120"	0.151"	0.173"	0.216"	0.318"	0.409"	0.489"	0.506"	0.602"	0.648"	0.784"	0.977"	1.159"	1.273"	1.455"
	Average I.D.	0.846"	1.062"	1.340"	1.534"	1.917"	2.925"	3.633"	4.399"	4.491"	5.348"	5.752"	6.963"	8.678"	10.293"	11.302"	12.916"
	Weight lb/ft	0.130	0.250	0.312	0.410	0.640	1.357	2.300	3.290	3.520	4.990	5.780	8.450	13.140	18.490	22.305	29.120
DR 13.5 (126psi)	Min. wall	—	—	—	—	0.176"	0.259"	0.333"	0.398"	0.412"	0.491"	0.528"	0.639"	0.796"	0.944"	1.037"	1.185"
	Average I.D.	—	—	—	—	2.002"	2.958"	3.793"	4.531"	4.689"	5.585"	6.006"	7.271"	9.052"	10.748"	11.801"	13.467"
	Weight lb/ft	—	—	—	—	0.531	1.160	1.910	2.730	2.920	4.150	4.800	7.030	10.920	15.360	18.520	24.190
DR 15.5 (110psi)	Min. wall	—	—	—	—	0.153"	0.226"	0.290"	0.347"	0.359"	0.427"	0.460"	0.565"	0.694"	0.823"	0.903"	1.032"
	Average I.D.	—	—	—	—	2.050"	3.021"	3.885"	4.640"	4.802"	5.719"	6.150"	7.445"	9.280"	11.005"	12.065"	13.812"
	Weight lb/ft	—	—	—	—	0.470	1.020	1.680	2.400	2.570	3.637	4.210	6.164	9.590	13.480	16.242	21.214
DR 17 (100psi)	Min. wall	—	—	—	—	0.140"	0.206"	0.265"	0.316"	0.327"	0.396"	0.419"	0.507"	0.632"	0.756"	0.824"	0.941"
	Average I.D.	—	—	—	—	2.079"	3.054"	3.939"	4.705"	4.869"	5.789"	6.238"	7.549"	9.409"	11.160"	12.254"	14.005"
	Weight lb/ft	—	—	—	—	0.430	0.932	1.540	2.200	2.353	3.340	3.890	5.680	8.880	12.352	14.910	19.470
DR 19 (89psi)	Min. wall	—	—	—	—	—	—	0.237"	0.283"	0.293"	0.349"	0.375"	0.454"	0.568"	0.671"	0.737"	0.842"
	Average I.D.	—	—	—	—	—	—	3.998"	4.775"	4.942"	5.886"	6.330"	7.663"	9.551"	11.327"	12.438"	14.215"
	Weight lb/ft	—	—	—	—	—	—	1.390	1.880	2.120	3.010	3.480	5.100	7.920	11.140	15.430	17.540
DR 21 (80psi)	Min. wall	—	—	—	—	—	—	0.214"	0.256"	0.265"	0.315"	0.339"	0.411"	0.512"	0.607"	0.667"	0.762"
	Average I.D.	—	—	—	—	—	—	4.046"	4.832"	5.001"	5.959"	6.405"	7.754"	9.685"	11.463"	12.587"	14.385"
	Weight lb/ft	—	—	—	—	—	—	1.262	1.801	1.930	2.740	3.170	4.540	7.21	10.134	12.220	15.950
DR 26 (64 psi)	Min. wall	—	—	—	—	—	—	0.173"	0.207"	0.214"	0.255"	0.274"	0.332"	0.413"	0.490"	0.536"	0.615"
	Average I.D.	—	—	—	—	—	—	4.133"	4.937"	5.109"	6.085"	6.544"	7.922"	9.873"	11.710"	12.898"	14.695"
	Weight lb/ft	—	—	—	—	—	—	1.038	1.470	1.574	2.233	2.582	3.760	5.880	8.270	9.970	13.022
DR 32.5 (51 psi)	Min. wall	—	—	—	—	—	—	0.138"	0.165"	0.171"	0.204"	0.219"	0.265"	0.331"	0.392"	0.431"	0.492"
	Average I.D.	—	—	—	—	—	—	4.205"	5.024"	5.200"	6.193"	6.660"	8.082"	10.049"	11.918"	13.087"	14.956"
	Weight lb/ft	—	—	—	—	—	—	0.831	1.180	1.270	1.801	2.083	3.053	4.750	6.671	8.050	10.510

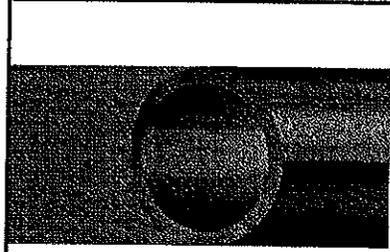
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PE 3608/3408 IPS HDPE Pipe Sizes

18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	42"	48"	54"	63"	Nominal Size Actual O.D.	Pressure Rating
18.00*	20.00*	22.00*	24.00*	25.00*	28.00*	30.00*	32.00*	34.00*	36.00*	42.00*	48.00*	54.00*	62.99*		
2.571*	2.857*	3.143*	3.429*	--	--	--	--	--	--	--	--	--	--	Min. wall	DR 7 (267psi)
12.548*	13.943*	15.337*	16.731*	--	--	--	--	--	--	--	--	--	--	Average I.D.	
54.370	67.130	80.170	96.690	--	--	--	--	--	--	--	--	--	--	Weight lb/ft	
2.466*	2.740*	3.014*	3.288*	3.562*	--	--	--	--	--	--	--	--	--	Min. wall	DR 7.3 (254psi)
12.773*	14.192*	15.611*	17.030*	18.449*	--	--	--	--	--	--	--	--	--	Average I.D.	
52.530	64.850	78.140	93.390	110.769	--	--	--	--	--	--	--	--	--	Weight lb/ft	
2.000*	2.222*	2.444*	2.667*	2.889*	3.111*	3.333*	3.556*	--	--	--	--	--	--	Min. wall	DR 9 (200psi)
13.780*	15.289*	16.818*	18.347*	19.876*	21.404*	22.933*	24.462*	--	--	--	--	--	--	Average I.D.	
43.970	54.280	65.412	78.180	92.535	107.312	123.183	140.183	--	--	--	--	--	--	Weight lb/ft	
1.636*	1.818*	2.000*	2.182*	2.364*	2.545*	2.727*	2.909*	3.091*	3.273*	--	--	--	--	Min. wall	DR 11 (160psi)
14.531*	16.145*	17.760*	19.375*	20.989*	22.604*	24.218*	25.833*	27.447*	29.062*	--	--	--	--	Average I.D.	
36.840	45.490	54.820	65.520	77.440	89.785	103.076	117.285	132.411	148.454	--	--	--	--	Weight lb/ft	
1.333*	1.481*	1.630*	1.778*	1.926*	2.074*	2.222*	2.370*	2.519*	2.667*	3.111*	3.556*	--	--	Min. wall	DR 13.5 (128psi)
15.173*	16.859*	18.545*	20.231*	21.917*	23.603*	25.289*	26.975*	28.661*	30.347*	35.404*	40.462*	--	--	Average I.D.	
30.616	37.790	45.550	54.440	64.261	74.522	85.543	97.324	109.805	123.208	167.675	217.895	--	--	Weight lb/ft	
1.161*	1.290*	1.419*	1.548*	1.677*	1.806*	1.935*	2.065*	2.194*	2.323*	2.710*	3.097*	3.484*	--	Min. wall	DR 15.5 (110psi)
15.538*	17.265*	18.991*	20.717*	22.444*	24.170*	25.897*	27.623*	29.350*	31.076*	36.255*	41.435*	46.614*	--	Average I.D.	
26.849	33.146	40.107	47.731	55.532	63.553	71.264	79.672	87.714	95.714	108.424	147.568	192.774	243.921	Weight lb/ft	
1.059*	1.176*	1.294*	1.412*	1.529*	1.647*	1.765*	1.882*	2.000*	2.118*	2.471*	2.824*	3.176*	--	Min. wall	DR 17 (100psi)
15.755*	17.506*	19.256*	21.007*	22.758*	24.508*	26.259*	28.009*	29.760*	31.511*	35.762*	42.014*	47.265*	--	Average I.D.	
24.640	30.420	36.810	43.810	51.856	60.154	69.068	78.557	88.700	99.457	135.372	176.813	223.713	--	Weight lb/ft	
0.947*	1.053*	1.158*	1.263*	1.368*	1.474*	1.578*	1.684*	1.789*	1.895*	2.211*	2.526*	2.842*	--	Min. wall	DR 19 (89psi)
15.992*	17.766*	19.545*	21.322*	23.099*	24.876*	26.653*	28.429*	30.206*	31.983*	37.314*	42.644*	47.975*	--	Average I.D.	
22.200	27.410	33.162	39.470	46.701	54.189	62.196	70.755	79.865	89.571	121.925	159.198	201.502	--	Weight lb/ft	
0.857*	0.952*	1.048*	1.143*	1.238*	1.333*	1.429*	1.524*	1.619*	1.714*	2.000*	2.286*	2.571*	3.003*	Min. wall	DR 21 (80psi)
16.183*	17.981*	19.779*	21.577*	23.375*	25.173*	26.971*	28.770*	30.568*	32.366*	37.760*	43.154*	48.549*	56.631*	Average I.D.	
20.200	24.940	30.172	35.990	42.486	49.266	56.585	64.370	72.657	81.446	110.874	144.833	183.253	248.550	Weight lb/ft	
0.692*	0.769*	0.846*	0.923*	1.000*	1.077*	1.154*	1.231*	1.308*	1.385*	1.615*	1.846*	2.077*	2.423*	Min. wall	DR 26 (64psi)
16.532*	18.369*	20.206*	22.043*	23.880*	25.717*	27.554*	29.391*	31.228*	33.065*	38.575*	44.086*	49.597*	57.854*	Average I.D.	
18.480	23.350	28.620	34.390	40.167	46.135	52.494	59.264	66.444	74.033	118.082	149.464	202.810	--	Weight lb/ft	
0.554*	0.615*	0.677*	0.738*	0.800*	0.862*	0.923*	0.985*	1.046*	1.108*	1.292*	1.477*	1.662*	1.938*	Min. wall	DR 32.5 (51psi)
16.828*	18.695*	20.565*	22.434*	24.304*	26.174*	28.043*	29.913*	31.782*	33.652*	39.260*	44.869*	50.478*	58.861*	Average I.D.	
13.300	16.420	19.863	23.640	27.940	32.421	37.196	42.340	47.773	53.581	72.893	95.233	120.556	163.620	Weight lb/ft	



HDPE Pipe

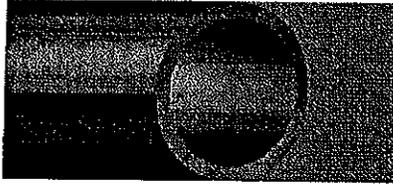
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- Pressures are based on using water at 23°C (73°F).
- Average inside diameter calculated using nominal OD and minimum wall plus 6% for use in estimating fluid flows. Actual ID will vary.
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- Standard Lengths:
40' for 2"-24"
50' for 26" and larger
Coils available for 3/4"-6"(8" by special order)

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PE 3608/3408 DIPS HDPE Pipe Sizes



HDPE Pipe

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50' for 26" and larger
Coils available for 3"-4"

Pressure Rating	Nominal Size	3"	4"	6"	8"	10"	12"	14"	16"	18"
	Actual O.D.	3.96"	4.800"	6.90"	9.05"	11.100"	13.20"	15.30"	17.400"	19.500"
DR 7 (267psi)	Min. wall	0.566"	0.586"	0.986"	1.293"	1.586"	1.886"	2.186"	2.486"	2.786"
	Average I.D.	2.761"	3.346"	4.810"	6.309"	7.736"	9.202"	10.666"	12.130"	13.594"
	Weight lb/lf	2.620	3.850	7.960	13.960	20.590	29.120	39.120	50.600	63.550
DR 7.3 (254psi)	Min. wall	---	0.658"	0.945"	1.240"	1.521"	1.808"	2.096"	2.384"	2.671"
	Average I.D.	---	3.406"	4.896"	6.422"	7.876"	9.367"	10.857"	12.347"	13.837"
	Weight lb/lf	---	3.720	7.690	13.220	19.890	28.130	37.790	48.880	61.390
DR 9 (200psi)	Min. wall	0.440"	0.533"	0.767"	1.006"	1.233"	1.467"	1.700"	1.933"	2.167"
	Average I.D.	3.027"	3.669"	5.275"	6.918"	8.485"	10.091"	11.696"	13.301"	14.907"
	Weight lb/lf	2.120	3.110	6.430	11.070	16.650	23.550	31.640	40.920	51.390
DR 11 (160psi)	Min. wall	0.360"	0.436"	0.627"	0.823"	1.009"	1.200"	1.391"	1.582"	1.773"
	Average I.D.	3.197"	3.875"	5.570"	7.306"	8.961"	10.656"	12.351"	14.047"	15.742"
	Weight lb/lf	1.780	2.610	5.390	9.280	13.950	19.730	26.510	34.290	43.070
DR 13.5 (128psi)	Min. wall	0.293"	0.356"	0.511"	0.6704"	0.822"	0.978"	1.133"	1.289"	1.444"
	Average I.D.	3.338"	4.046"	5.816"	7.629"	9.357"	11.127"	12.897"	14.668"	16.438"
	Weight lb/lf	1.480	2.170	4.480	7.710	11.600	16.400	22.030	28.490	35.790
DR 15.5 (110psi)	Min. wall	0.255"	0.310"	0.445"	0.5839"	0.716"	0.852"	0.987"	1.123"	1.258"
	Average I.D.	3.418"	4.143"	5.956"	7.812"	9.582"	11.395"	13.207"	15.020"	16.833"
	Weight lb/lf	1.299	1.893	3.906	6.723	10.110	14.306	19.210	24.856	31.205
DR 17 (100psi)	Min. wall	0.233"	0.282"	0.406"	0.532"	0.659"	0.776"	0.900"	1.024"	1.059"
	Average I.D.	3.466"	4.201"	6.040"	7.921"	9.716"	11.554"	13.392"	15.230"	17.255"
	Weight lb/lf	1.190	1.750	3.620	6.230	9.370	13.250	17.800	23.030	28.920
DR 21 (80psi)	Min. wall	---	0.229"	0.329"	0.431"	0.529"	0.629"	0.729"	0.829"	0.857"
	Average I.D.	---	4.315"	6.203"	8.136"	9.979"	11.867"	13.755"	15.643"	17.683"
	Weight lb/lf	---	1.440	2.970	5.110	7.810	10.870	14.600	18.880	23.710
DR 26 (64 psi)	Min. wall	---	0.185"	0.265"	0.3481"	0.427"	0.508"	0.588"	0.669"	0.692"
	Average I.D.	---	4.409"	6.337"	8.312"	10.195"	12.124"	14.052"	15.981"	18.032"
	Weight lb/lf	---	1.170	2.420	4.170	6.270	8.870	11.910	15.400	19.340
DR 32.5 (51 psi)	Min. wall	---	0.148"	0.212"	0.2785"	0.342"	0.406"	0.471"	0.535"	0.554"
	Average I.D.	---	4.487"	6.450"	8.460"	10.376"	12.339"	14.302"	16.265"	18.326"
	Weight lb/lf	---	0.950	1.950	3.360	5.050	7.150	9.310	12.490	15.610

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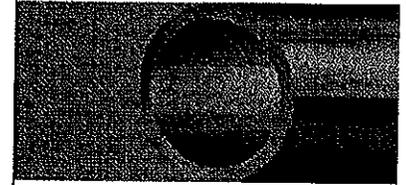
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ISCO HDPE Product Catalog

PE 3608/3408 DIPS HDPE Pipe Sizes

20"	24"	30"	36"	42"	48"	54"	60"	Nominal Size	Pressure Rating
21.600"	25.800"	32.000"	38.30"	44.50"	50.80"	57.56"	61.61"	Actual O.D.	
3.086"	---	---	---	---	---	---	---	Min. wall	DR 7 (267psi)
15.058"	---	---	---	---	---	---	---	Average I.D.	
77.980	---	---	---	---	---	---	---	Weight lb/ft	
2.959"	3.534"	---	---	---	---	---	---	Min. wall	DR 7.3 (254psi)
15.327"	18.307"	---	---	---	---	---	---	Average I.D.	
75.004	109.056	---	---	---	---	---	---	Weight lb/ft	
2.403"	2.867"	3.556"	---	---	---	---	---	Min. wall	DR 9 (200psi)
16.512"	19.723"	24.462"	---	---	---	---	---	Average I.D.	
63.060	91.123	140.183	---	---	---	---	---	Weight lb/ft	
1.964"	2.345"	2.909"	3.482"	---	---	---	---	Min. wall	DR 11 (160psi)
17.437"	20.828"	25.833"	30.919"	---	---	---	---	Average I.D.	
52.850	76.229	117.285	166.140	---	---	---	---	Weight lb/ft	
1.600"	1.911"	2.370"	2.837"	3.296"	---	---	---	Min. wall	DR 13.5 (128psi)
18.208"	21.748"	26.975"	32.285"	37.512"	---	---	---	Average I.D.	
43.910	63.270	97.324	138.050	186.360	---	---	---	Weight lb/ft	
1.394"	1.665"	2.065"	2.471"	2.871"	3.277"	---	---	Min. wall	DR 15.5 (110psi)
18.646"	22.271"	27.623"	33.062"	38.414"	43.852"	---	---	Average I.D.	
38.301	55.693	85.672	122.062	164.779	214.710	---	---	Weight lb/ft	
1.176"	1.518"	1.882"	2.253"	2.618"	2.988"	3.386"	---	Min. wall	DR 17 (100psi)
19.106"	22.583"	28.009"	33.524"	38.951"	44.465"	50.382"	---	Average I.D.	
35.490	51.086	78.557	111.550	150.600	196.230	251.945	---	Weight lb/ft	
0.952"	1.229"	1.524"	1.824"	2.119"	2.419"	2.741"	2.934"	Min. wall	DR 21 (80psi)
19.581"	23.195"	28.770"	34.434"	40.008"	45.672"	51.749"	55.390"	Average I.D.	
29.100	41.852	64.370	91.450	123.450	160.880	206.540	236.626	Weight lb/ft	
0.769"	0.992"	1.231"	1.473"	1.712"	1.954"	2.214"	2.370"	Min. wall	DR 26 (64 psi)
19.969"	23.696"	29.391"	35.177"	40.872"	46.658"	52.867"	56.586"	Average I.D.	
23.740	34.107	52.494	74.610	100.750	131.280	168.530	193.070	Weight lb/ft	
0.615"	0.794"	0.985"	1.178"	1.369"	1.563"	1.771"	1.896"	Min. wall	DR 32.5 (51 psi)
20.295"	24.117"	29.913"	35.802"	41.597"	47.486"	53.805"	57.591"	Average I.D.	
19.180	27.517	42.340	60.200	81.270	105.910	135.970	155.770	Weight lb/ft	



HDPE Pipe

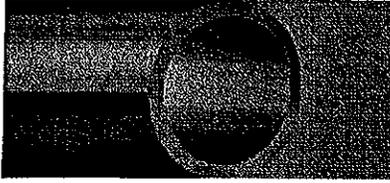
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PE 4710 IPS HDPE Pipe Sizes



HDPE Pipe

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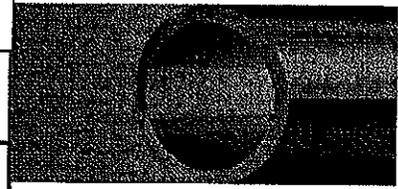
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Pressure Rating	Nominal Size	Actual O.D.	1"	1 1/4"	1 1/2"	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	
			Min. wall	Average I.D.	Weight lb/ft	Min. wall	Average I.D.	Weight lb/ft	Min. wall	Average I.D.	Weight lb/ft	Min. wall	Average I.D.	Weight lb/ft	Min. wall	Average I.D.	Weight lb/ft
DR 7 (336psi)	Min. wall	0.188"	0.237"	0.271"	0.339"	0.500"	0.643"	0.795"	0.946"	1.232"	1.536"	1.821"	2.000"	2.286"	2.571"		
	Average I.D.	0.917"	1.157"	1.325"	1.656"	2.440"	3.137"	3.878"	4.619"	6.013"	7.494"	8.889"	9.760"	11.154"	12.549"		
	Weight lb/ft	0.291	0.463	0.607	0.950	2.060	3.402	5.200	7.374	12.498	19.416	27.312	32.930	43.010	54.435		
DR 7.3 (320psi)	Min. wall	0.180"	0.227"	0.260"	0.325"	0.479"	0.616"	0.762"	0.908"	1.182"	1.473"	1.747"	1.918"	2.192"	2.466"		
	Average I.D.	0.933"	1.178"	1.348"	1.685"	2.484"	3.193"	3.947"	4.701"	6.120"	7.628"	9.047"	9.934"	11.353"	12.773"		
	Weight lb/ft	0.281	0.450	0.590	0.920	1.990	3.290	5.022	7.130	12.070	18.750	26.360	31.810	41.550	52.580		
DR 9 (252psi)	Min. wall	0.146"	0.184"	0.211"	0.264"	0.389"	0.500"	0.618"	0.736"	0.958"	1.194"	1.417"	1.556"	1.776"	2.000"		
	Average I.D.	1.005"	1.269"	1.452"	1.816"	2.676"	3.440"	4.253"	5.064"	6.593"	8.218"	9.747"	10.702"	12.231"	13.760"		
	Weight lb/ft	0.235	0.374	0.490	0.770	1.664	2.751	4.204	5.963	10.110	15.700	22.085	26.630	34.780	44.020		
DR 11 (202psi)	Min. wall	0.120"	0.151"	0.173"	0.216"	0.318"	0.409"	0.506"	0.602"	0.784"	0.977"	1.159"	1.273"	1.455"	1.636"		
	Average I.D.	1.062"	1.340"	1.534"	1.917"	2.825"	3.633"	4.491"	5.348"	6.963"	8.678"	10.293"	11.302"	12.916"	14.531"		
	Weight lb/ft	0.200	0.314	0.411	0.642	1.395	2.310	3.523	5.000	8.470	13.160	18.510	22.320	29.150	36.890		
DR 13.5 (161psi)	Min. wall	---	---	---	0.176"	0.259"	0.333"	0.412"	0.491"	0.639"	0.796"	0.944"	1.037"	1.185"	1.333"		
	Average I.D.	---	---	---	2.002"	2.950"	3.793"	4.689"	5.585"	7.271"	9.062"	10.748"	11.801"	13.487"	15.173"		
	Weight lb/ft	---	---	---	0.534	1.150	1.920	2.928	4.152	7.040	10.932	15.380	18.540	24.220	30.651		
DR 15.5 (139psi)	Min. wall	---	---	---	0.153"	0.226"	0.230"	0.359"	0.427"	0.556"	0.694"	0.823"	0.903"	1.032"	1.161"		
	Average I.D.	---	---	---	2.050"	3.021"	3.885"	4.802"	5.719"	7.445"	9.280"	11.006"	12.085"	13.812"	15.638"		
	Weight lb/ft	---	---	---	0.470	1.020	1.687	2.580	3.656	6.197	9.626	13.530	16.310	21.300	26.950		
DR 17 (126psi)	Min. wall	---	---	---	0.140"	0.206"	0.265"	0.327"	0.390"	0.507"	0.632"	0.750"	0.824"	0.941"	1.059"		
	Average I.D.	---	---	---	2.078"	3.064"	3.939"	4.869"	5.799"	7.549"	9.409"	11.160"	12.254"	14.005"	15.755"		
	Weight lb/ft	---	---	---	0.431	0.940	1.550	2.360	3.360	5.690	8.834	12.430	14.983	19.570	24.770		
DR 21 (101psi)	Min. wall	---	---	---	---	0.214"	0.265"	0.315"	0.411"	0.512"	0.607"	0.667"	0.762"	0.857"			
	Average I.D.	---	---	---	---	4.046"	5.001"	5.956"	7.754"	9.665"	11.463"	12.587"	14.385"	16.183"			
	Weight lb/ft	---	---	---	---	1.270	1.940	2.750	4.662	7.242	10.190	12.282	16.042	20.304			
DR 26 (81psi)	Min. wall	---	---	---	---	0.173"	0.214"	0.255"	0.332"	0.413"	0.490"	0.538"	0.615"	0.692"			
	Average I.D.	---	---	---	---	4.133"	5.109"	6.085"	7.922"	9.873"	11.710"	12.856"	14.695"	16.532"			
	Weight lb/ft	---	---	---	---	1.035	1.582	2.250	3.800	5.910	8.312	10.022	13.090	16.570			
DR 32.5 (64psi)	Min. wall	---	---	---	---	0.138"	0.171"	0.204"	0.265"	0.331"	0.392"	0.431"	0.492"	0.554"			
	Average I.D.	---	---	---	---	4.205"	5.200"	6.193"	8.062"	10.049"	11.918"	13.087"	14.956"	16.826"			
	Weight lb/ft	---	---	---	---	0.835	1.280	1.811	3.070	4.770	6.710	8.090	10.561	13.370			



PE 4710 IPS HDPE Pipe Sizes

20"	22"	24"	26"	28"	30"	32"	34"	36"	42"	48"	54"	63"	Nominal Size Actual O.D.	Pressure Rating
2.857*	3.143*	3.429*	---	---	---	---	---	---	---	---	---	---	Min. wall	DR 7 (336psi)
13.943*	15.337*	16.731*	---	---	---	---	---	---	---	---	---	---	Average I.D.	
67.203	80.591	95.916	---	---	---	---	---	---	---	---	---	---	Weight lb/ft	
2.740*	3.014*	3.288*	3.562*	---	---	---	---	---	---	---	---	---	Min. wall	DR 7.3 (320psi)
14.192*	15.611*	17.030*	18.449*	---	---	---	---	---	---	---	---	---	Average I.D.	
64.910	78.550	93.480	110.769	---	---	---	---	---	---	---	---	---	Weight lb/ft	
2.222*	2.444*	2.667*	2.889*	3.111*	3.333*	3.556*	---	---	---	---	---	---	Min. wall	DR 9 (252psi)
15.289*	16.818*	18.347*	19.876*	21.404*	22.933*	24.462*	---	---	---	---	---	---	Average I.D.	
54.342	65.754	78.250	92.535	107.312	123.183	140.183	---	---	---	---	---	---	Weight lb/ft	
1.818*	2.000*	2.182*	2.364*	2.545*	2.727*	2.909*	3.091*	3.273*	---	---	---	---	Min. wall	DR 11 (202psi)
16.145*	17.760*	19.375*	20.989*	22.604*	24.218*	25.833*	27.447*	29.062*	---	---	---	---	Average I.D.	
45.541	55.105	65.580	77.440	89.785	103.076	117.285	132.411	148.454	---	---	---	---	Weight lb/ft	
1.481*	1.630*	1.778*	1.926*	2.074*	2.222*	2.370*	2.519*	2.667*	3.111*	---	---	---	Min. wall	DR 13.5 (161psi)
16.859*	18.545*	20.231*	21.917*	23.603*	25.289*	26.975*	28.661*	30.347*	35.404*	---	---	---	Average I.D.	
37.840	45.790	54.490	64.261	74.522	85.543	97.324	109.905	123.208	167.675	---	---	---	Weight lb/ft	
1.293*	1.419*	1.546*	1.677*	1.806*	1.935*	2.065*	2.194*	2.323*	2.710*	3.037*	3.484*	---	Min. wall	DR 15.5 (139psi)
17.265*	18.991*	20.717*	22.444*	24.170*	25.897*	27.623*	29.350*	31.076*	36.255*	41.435*	46.614*	---	Average I.D.	
33.280	39.712	47.920	56.532	65.563	75.264	85.672	96.714	108.424	147.568	192.774	243.921	---	Weight lb/ft	
1.176*	1.294*	1.412*	1.529*	1.647*	1.765*	1.882*	2.000*	2.118*	2.471*	2.824*	3.176*	---	Min. wall	DR 17 (126psi)
17.506*	19.256*	21.007*	22.758*	24.508*	26.259*	28.009*	29.760*	31.511*	36.762*	42.014*	47.266*	---	Average I.D.	
30.580	37.000	44.031	51.856	60.154	69.068	78.557	88.700	99.457	135.372	176.813	223.713	---	Weight lb/ft	
0.952*	1.048*	1.143*	1.238*	1.333*	1.429*	1.524*	1.619*	1.714*	2.000*	2.286*	2.571*	3.000*	Min. wall	DR 21 (101psi)
17.981*	19.779*	21.577*	23.375*	25.173*	26.971*	28.770*	30.568*	32.366*	37.760*	43.154*	48.548*	56.631*	Average I.D.	
25.070	30.330	36.100	42.486	49.266	56.585	64.370	72.657	81.446	110.874	144.833	183.253	249.570	Weight lb/ft	
0.769*	0.846*	0.923*	1.000*	1.077*	1.154*	1.231*	1.308*	1.385*	1.615*	1.846*	2.077*	2.423*	Min. wall	DR 26 (81 psi)
18.389*	20.206*	22.043*	23.880*	25.717*	27.554*	29.391*	31.228*	33.065*	38.575*	44.086*	49.597*	57.854*	Average I.D.	
20.453	24.750	29.452	34.570	40.187	46.135	52.494	59.264	66.444	90.393	118.082	149.464	203.630	Weight lb/ft	
0.615*	0.677*	0.738*	0.800*	0.862*	0.923*	0.985*	1.046*	1.108*	1.292*	1.477*	1.662*	1.938*	Min. wall	DR 32.5 (64 psi)
18.895*	20.565*	22.434*	24.304*	26.174*	28.043*	29.913*	31.782*	33.652*	39.260*	44.869*	50.478*	58.881*	Average I.D.	
16.501	19.970	23.762	27.940	32.421	37.196	42.340	47.773	53.581	72.893	95.233	120.556	164.280	Weight lb/ft	



HDPE Pipe

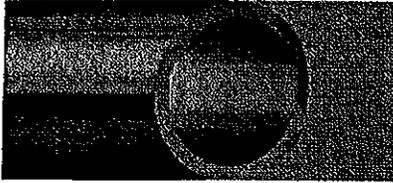
- Items highlighted in Blue indicates standard stocking items that are more readily available.
- Pressures are based on using water at 23°C (73°F).
- Average inside diameter calculated using nominal OD and minimum wall plus 6% for use in estimating fluid flows. Actual ID will vary.
- Service factors should be utilized to compensate for the effect of liquids other than water, and for other temperatures.
- Other piping sizes or DR's may be available upon request.
- Standard Lengths:
40' for 2"-24"
50' for 26" and larger
Coils available for 3/4"-6"(8" by special order)

1-800-345-ISCO

www.isco-pipe.com



PE 4710 DIPS HDPE Pipe Sizes



HDPE Pipe

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- Service factors should be utilized to compensate for the effect of liquids other than water, and for other temperatures.
- Other piping sizes or DR's may be available upon request.
- Standard Lengths:
40' for 2"-24"
50' for 26" and larger
Coils available for 4"

1-800-345-ISCO

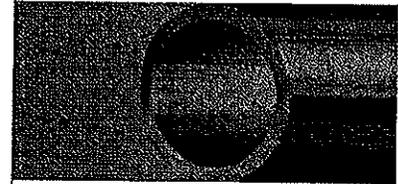
www.isco-pipe.com

Pressure Rating	Nominal Size	4"	6"	8"	10"	12"	14"	16"
	Actual O.D.	4.80"	6.90"	9.05"	11.10"	13.20"	15.30"	17.40"
DR 7 (336psi)	Min. wall	0.686"	0.986"	1.293"	1.586"	1.886"	2.186"	2.486"
	Average I.D.	3.346"	4.810"	6.309"	7.738"	9.202"	10.666"	12.130"
	Weight lb/lf	3.871	7.999	13.760	20.700	29.274	39.329	50.866
DR 7.3 (320psi)	Min. wall	0.658"	0.945"	1.240"	1.521"	1.808"	2.096"	2.384"
	Average I.D.	3.406"	4.896"	6.422"	7.876"	9.367"	10.857"	12.347"
	Weight lb/lf	3.740	7.730	13.290	20.000	28.280	37.990	49.130
DR 9 (252psi)	Min. wall	0.533"	0.767"	1.006"	1.233"	1.467"	1.700"	1.933"
	Average I.D.	3.669"	5.275"	6.918"	8.485"	10.091"	11.696"	13.301"
	Weight lb/lf	3.130	6.470	11.130	16.740	23.671	31.802	41.132
DR 11 (202psi)	Min. wall	0.436"	0.627"	0.823"	1.009"	1.200"	1.391"	1.582"
	Average I.D.	3.875"	5.570"	7.306"	8.961"	10.656"	12.351"	14.047"
	Weight lb/lf	2.623	5.420	9.325	14.030	19.840	26.652	34.470
DR 13.5 (161psi)	Min. wall	0.356"	0.511"	0.670"	0.822"	0.978"	1.133"	1.289"
	Average I.D.	4.046"	5.816"	7.629"	9.357"	11.127"	12.897"	14.668"
	Weight lb/lf	2.180	4.504	7.750	11.660	16.483	22.150	28.641
DR 15.5 (139psi)	Min. wall	0.310"	0.445"	0.584"	0.716"	0.852"	0.987"	1.123"
	Average I.D.	4.143"	5.956"	7.812"	9.582"	11.395"	13.207"	15.020"
	Weight lb/lf	1.893	3.906	6.723	10.110	14.306	19.210	24.856
DR 17 (126psi)	Min. wall	0.282"	0.406"	0.532"	0.653"	0.776"	0.900"	1.024"
	Average I.D.	4.201"	6.040"	7.921"	9.716"	11.554"	13.392"	15.230"
	Weight lb/lf	1.761	3.640	6.261	9.420	13.319	17.894	23.150
DR 21 (101psi)	Min. wall	0.229"	0.329"	0.431"	0.529"	0.629"	0.729"	0.829"
	Average I.D.	4.315"	6.203"	8.136"	9.979"	11.867"	13.755"	15.643"
	Weight lb/lf	1.450	2.990	5.132	7.730	10.930	14.680	18.980
DR 26 (81 psi)	Min. wall	0.185"	0.265"	0.348"	0.427"	0.508"	0.588"	0.669"
	Average I.D.	4.409"	6.337"	8.312"	10.195"	12.124"	14.052"	15.981"
	Weight lb/lf	1.180	2.434	4.190	6.300	8.910	11.969	15.481
DR 32.5 (64 psi)	Min. wall	0.148"	0.212"	0.278"	0.342"	0.406"	0.471"	0.535"
	Average I.D.	4.487"	6.450"	8.460"	10.376"	12.339"	14.302"	16.265"
	Weight lb/lf	0.950	1.964	3.379	5.090	7.190	9.660	12.490

ISCO HDPE Product Catalog

PE 4710 DIPS HDPE Pipe Sizes

18"	20"	24"	30"	36"	42"	48"	Nominal Size Actual O.D.	Pressure Rating
19.50"	21.60"	25.80"	32.00"	38.30"	44.50"	50.80"		
2.786"	3.086"	---	---	---	---	---	Min. wall	DR 7 (336psi)
13.594"	15.058"	---	---	---	---	---	Average I.D.	
63.885	78.386	---	---	---	---	---	Weight lb/ft	
2.671"	2.959"	3.534"	---	---	---	---	Min. wall	DR 7.3 (320psi)
13.837"	15.327"	18.307"	---	---	---	---	Average I.D.	
61.710	75.004	109.056	---	---	---	---	Weight lb/ft	
2.167"	2.400"	2.867"	3.556"	---	---	---	Min. wall	DR 9 (252psi)
14.907"	16.512"	19.723"	24.462"	---	---	---	Average I.D.	
51.660	63.385	91.123	140.183	---	---	---	Weight lb/ft	
1.773"	1.964"	2.345"	2.909"	3.482"	---	---	Min. wall	DR 11 (202psi)
15.742"	17.437"	20.828"	25.833"	30.919"	---	---	Average I.D.	
43.292	53.120	76.229	117.285	167.010	---	---	Weight lb/ft	
1.444"	1.600"	1.911"	2.370"	2.837"	3.296"	---	Min. wall	DR 13.5 (161psi)
16.438"	18.208"	21.748"	26.975"	32.285"	37.512"	---	Average I.D.	
35.970	44.140	63.270	97.324	138.770	187.330	---	Weight lb/ft	
1.258"	1.394"	1.665"	2.065"	2.471"	2.871"	3.277"	Min. wall	DR 15.5 (139psi)
16.833"	18.646"	22.271"	27.623"	33.062"	38.414"	43.852"	Average I.D.	
31.205	38.301	55.693	85.672	122.701	165.642	215.834	Weight lb/ft	
1.059"	1.176"	1.518"	1.882"	2.253"	2.618"	2.988"	Min. wall	DR 17 (126psi)
17.255"	19.106"	22.583"	28.009"	33.524"	38.951"	44.465"	Average I.D.	
29.070	35.680	51.086	78.557	112.132	151.390	197.050	Weight lb/ft	
0.857"	0.952"	1.229"	1.524"	1.824"	2.119"	2.419"	Min. wall	DR 21 (101psi)
17.683"	19.581"	23.195"	28.770"	34.434"	40.008"	45.672"	Average I.D.	
23.840	29.250	41.852	64.370	91.930	124.093	161.717	Weight lb/ft	
0.692"	0.769"	0.992"	1.231"	1.473"	1.712"	1.954"	Min. wall	DR 26 (81 psi)
18.032"	19.969"	23.696"	29.391"	35.177"	40.872"	46.658"	Average I.D.	
19.443	23.860	34.107	52.494	75.005	101.280	131.953	Weight lb/ft	
0.554"	0.615"	0.794"	0.985"	1.178"	1.369"	1.563"	Min. wall	DR 32.5 (64 psi)
18.326"	20.295"	24.117"	29.913"	35.802"	41.597"	47.486"	Average I.D.	
15.690	19.260	27.517	42.340	60.514	81.692	106.460	Weight lb/ft	



HDPE Pipe

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- Service factors should be utilized to compensate for the effect of liquids other than water, and for other temperatures.
- Other piping sizes or DR's may be available upon request.
- Standard Lengths:
40' for 2"-24"
50' for 26" and larger
Coils available for 4"

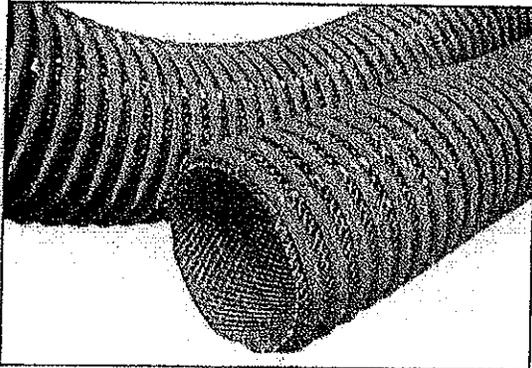
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Water Suction Hose

WA65 KANALINE SR



Application:

Heavy duty extra flexible suction and discharge hose for use in water service, dewatering, fish suction, general service and rental/construction.

Construction:

Tube - Flexible PVC

Reinforcement - Synthetic yarn.

Cover - Flexible orange PVC helix

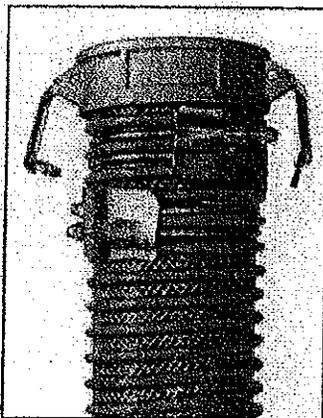
Temperature Range:

-25°C to +60°C (-13°F to +140°F)

Part No.	I.D. Inches	O.D. Inches	Max W.P. PSI @ 70°F	Bend Radius @ 70°F	Vacuum Hg. @ 70°F	Weight (lbs./ft.)	Stand Lengths
WA65-150	1½	2.03	110	2.5"	28.0	.47	100'
WA65-200	2	2.60	110	4.0"	28.0	.70	100'
WA65-300	3	3.70	100	6.3"	28.0	1.13	100'
WA65-400	4	4.78	75	7.1"	28.0	1.74	100'
WA65-500	5	6.04	70	9.0"	28.0	2.97	100'
WA65-600	6	7.17	70	10.2"	28.0	3.88	100'
WA65-800	8	9.34	60	15.7"	28.0	5.54	20'
WA65-1000	10	11.63	40	24.8"	28.0	8.68	20'
WA65-1200	12	13.66	28	45.0"	25.0	10.30	20'

* Clockwise / Right Hand Helix

WA65 KANALINE SR ASSEMBLIES



Part No.	Hose Size	Fitting A	Fitting B	Length (ft)	Attaching Method
WA65-150CM20SB	1½	C	CNT	20	Spiral Bolt Clamp
WA65-200CM20SB	2	C	CNT	20	Spiral Bolt Clamp
WA65-300CM20SB	3	C	CNT	20	Spiral Bolt Clamp
WA65-400CM20SB	4	C	CNT	20	Spiral Bolt Clamp
WA65-600CM20SB	6	C	CNT	20	Spiral Bolt Clamp
WA65-800CM20SB	8	C	CNT	20	Spiral Bolt Clamp

Part No.	Hose Size	Fitting A	Fitting B	Length (ft)	Attaching Method
WA65-200CE50SB	2	C	E	20	Spiral Bolt Clamp
WA65-300CE50SB	3	C	E	20	Spiral Bolt Clamp
WA65-400CE50SB	4	C	E	20	Spiral Bolt Clamp
WA65-600CE50SB	6	C	E	20	Spiral Bolt Clamp
WA65-800CE50SB	8	C	E	20	Spiral Bolt Clamp

* Call for other lengths and fitting combinations.

Air Hose

Water Hose

Petroleum (KSP)

Chemical (KSP)

Material Conductor

Camlocks

Spring System

Ballers Nipples Strainers

Ground Joints

Air Fittings

Clamps

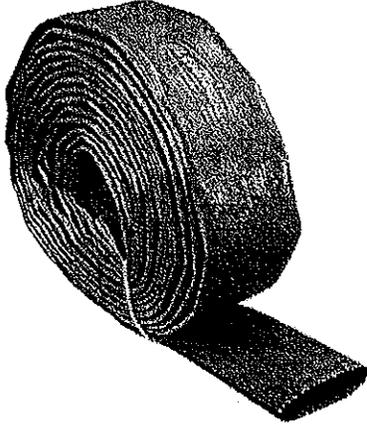
Valves

Sand Blast Coupling

Grounds

Water Discharge Hose

WA14 HD BRICK RED/BROWN PVC LAYFLAT



Application:

A heavy duty hose for portable pump and irrigation use. Hose folds flat for ease of coiling & handling. Common applications are rental, construction, mining, agricultural and marine service. Designed for open end discharge only.

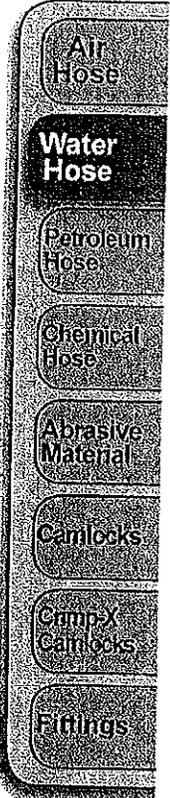
Construction:

Tube - PVC
Reinforcement - Woven high tensile synthetic yarn.
Cover - Brown PVC

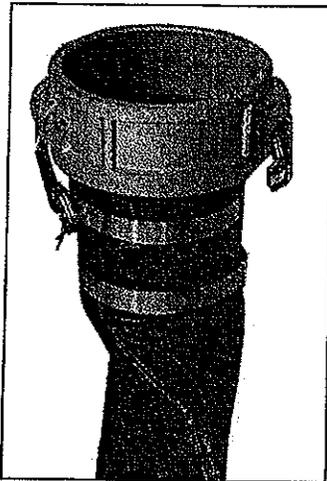
Temperature Range:

-5°F to +130°F (-21°C to +54°C)

Part No	I.D. Inches	O.D. Inches	Max W.P. PSI	Weight (lbs./ft.)	Stand Lengths
WA14-150	1½	1.65	160	0.26	300'
WA14-200	2	2.18	150	0.29	300
WA14-300	3	3.20	150	0.462	300
WA14-400	4	4.21	120	0.65	300
WA14-600	6	6.25	100	1.12	300
WA14-800	8	8.30	75	1.60	300

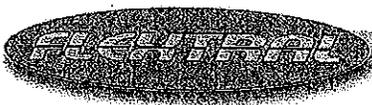


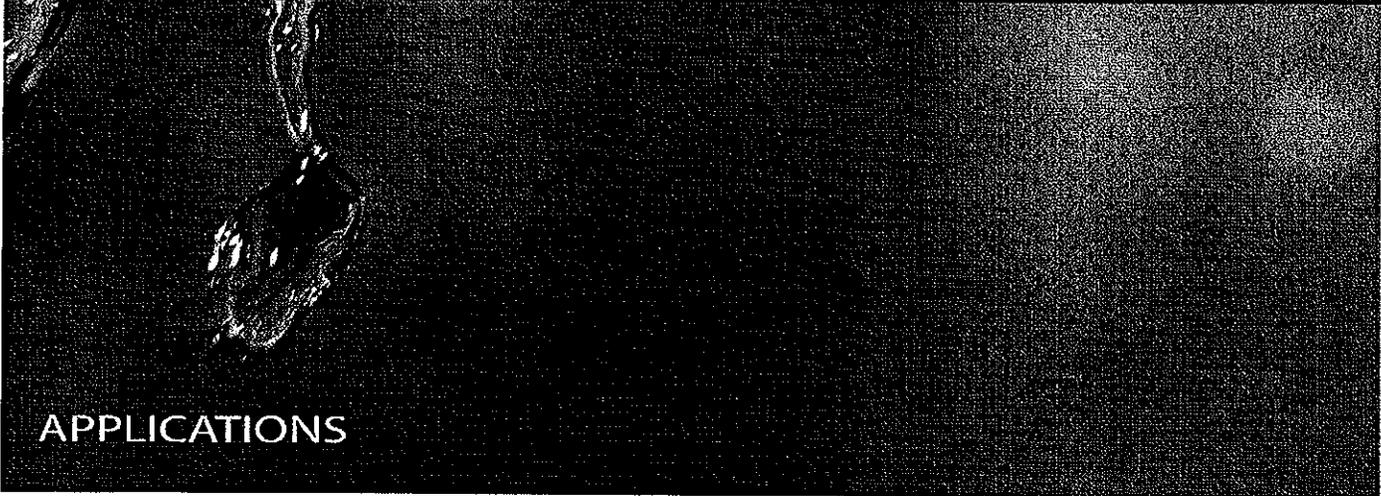
WA14 BRICK RED/BROWN PVC LAYFLAT



Part No	Hose Size	Fitting A	Fitting B	Length (ft)	Attaching Method
WA14-150-50CE	1½	C	E	50	Preform Clamp
WA14-200-50CE	2	C	E	50	Preform Clamp
WA14-300-50CE	3	C	E	50	Preform Clamp
WA14-400-50CE	4	C	E	50	Preform Clamp
WA14-600-50CE	6	C	E	50	Preform Clamp
WA14-800-50B (Bauer)	8	BCBH	BCSH	50	Ultra Lok

* Call for other lengths and fittings combinations.





APPLICATIONS

Thompson Pump Through The Years

Over 40 years of engineering, manufacturing and pump applications experience to assist you in the most complicated projects.



Thompson Pump is respected worldwide for its innovative heavy-duty lines of high-quality, high-performance pumps, which range in size from 2 to 24 inches. Thompson Pump sells and rents their entire line of pumps in the areas of public works, construction, agriculture, dewatering, mining, sewer/lift stations, and water/waste water. Types of pumps designed and manufactured by Thompson include wet prime trash pumps, dry prime trash pumps with compressor-assisted or vacuum-assisted priming systems, sound attenuated pumps, utility trash pumps, diaphragm pumps, hydraulic power units with submersible pump ends, rotary, vacuum and piston wellpoint pumps and high-pressure jet pumps. With these different types of pumps, as well as a full complement of accessory hoses and piping, Thompson Pump provides

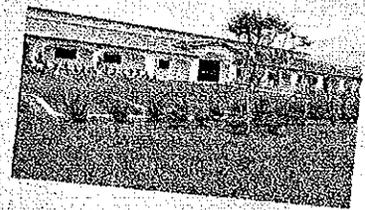
engineering and consulting services for special applications in complicated well point, bypass or multiple pump systems; and offers thorough pump and dewatering education and training through its Pumpology courses.

Thompson Pump, based in Port Orange, FL, is a full service manufacturer and provider of high quality pumps, pumping equipment and engineering expertise for the toughest dewatering, bypass and emergency pumping applications. Since 1970, Thompson Pump has assisted clients worldwide with pump rentals, sales, services, repair, design, installation and operational support. Thompson Pump operates sales, rental and service centers throughout the United States with 22 branches and depots. The company is also aligned with numerous distributors throughout the world. Thompson Pump is a Blue Chip Enterprise Award winner and their products meet the requirements for certification as defined by the Contractors Pump Bureau. Thompson Pump holds numerous product patents along with registered trademarks of Enviroprime System®, Silent Knight®, Arctic Knight® and Pumpology®.

The company achieved ISO 9001-2008 quality certification for their Port Orange manufacturing facility. Thompson Pump is one of very few pump companies to have obtained ISO 9001-2008 certification. The globally recognized certification was granted following independent testing and assessment of the company's quality management systems and manufacturing capabilities.

It is common to see Thompson's pumps on some of the largest and most challenging projects in the world. Whether the job requires cleaning up an oil spill in Alaska or the Gulf of Mexico, dewatering a construction site for a nuclear power plant in Georgia, widening the Panama Canal, raising a submarine from the Atlantic Ocean, moving an East coast lighthouse, fighting Western fires, controlling floods in the Midwest, handling an irrigation project in Africa or dealing with a tragic disaster in New York, Thompson Pump is there.

Thompson Pump continues to amass considerable experience in exceeding the pumping needs of its customers with innovative products and services. Thompson invites its customers, both old and new, to Experience Innovation!



From the President



"We are committed to quality in everything we do at Thompson Pump. It is important to us that our products and services exceed the needs of our customers. We also feel it is equally important that our relationships with our customers and industry partners are of the highest standards. Our goal is to conduct our business continuously in a forthright and ethical manner. If at any time we fail to meet this commitment, I invite you to contact me personally."

William P. Thompson

**THOMPSON
PUMP**
EXPERIENCE INNOVATION

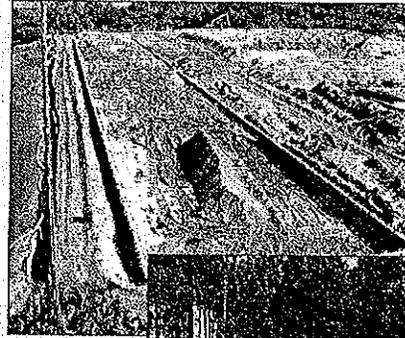
Thompson Pump and Manufacturing Co., Inc.
Nationwide 800-767-7310
International 001-386-767-7310
www.thompsonpump.com

Applications Engineering Consulting

Thompson Pump employs the industry's most knowledgeable technicians dedicated to supporting customers with applications consulting wherever and whenever needed. It is common to see Thompson Pump's engineers and pumps on some of the largest and most challenging projects in the world. Whether the job requires cleaning up an oil spill in Alaska, raising a submarine in the Atlantic, moving an east coast lighthouse, fighting fires and controlling floods across the nation, handling an irrigation project in Africa or dealing with a tragic disaster in New York, Thompson Pump Application Consultants will be there.

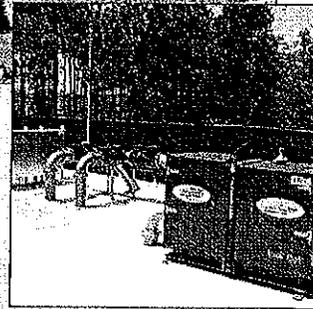
Wellpoint Systems

Thompson Pump wellpoint systems keep groundwater under control. Thompson wellpoint systems are designed for rapid assembly and disassembly with minimal labor and tools. cost effective operation is guaranteed with Thompson's positive seal, quick-fit header valve system which eliminates air leaks. With high grade PVC and premium wellpoints, Thompson wellpoints handle the toughest soils and groundwater conditions.



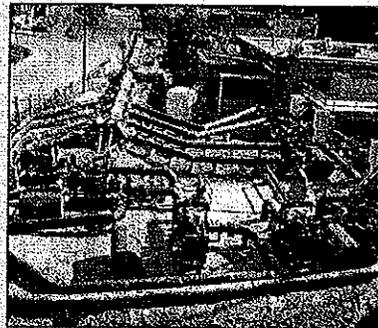
Bypass Systems

Thompson Pump Sewage Bypass systems operate more efficiently and effectively and keep the environment cleaner than the competition. Thompson has several pump models that are well suited for bypass projects due to their ability to prime easily, handle large solids and air, and run continuously for long periods. When using Thompson's Enviroprime System® Compressor-Assisted Dry Prime Pumps, the environment is protected from spills of effluent waste and other harmful materials.



Emergency Response Team (ERT)

Thompson Pump fields a team of experienced industry professionals who monitor weather and other conditions on an international basis and rapidly responds to emergencies. The ERT locates and mobilizes pumps and accessories, and consults on applications and pump systems wherever and whenever needed.



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International 001-386-767-7310
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Support & Service

Genuine TPM Parts

Genuine service and replacement parts are stocked at Thompson Pump's factory and branch locations. With millions in spare parts inventory, there are more than enough parts on-hand to meet customer needs. All parts orders receive the highest priority and are shipped immediately to minimize down time. Thompson distributors across the country stock a wide array of common wear parts as well.

Service & Preventative Maintenance Programs

Shop Service, Field Service and Field Preventative Maintenance (FPM) programs are available to support your pump operation. All Thompson Pump technical service personnel are fully trained in pump operation, diesel engines, equipment and application troubleshooting. Service personnel receive regular training and considered some of our industry's most knowledgeable. Thompson Pump FPM programs are designed to prevent problems and to increase the longevity of your pumps.

Rental Fleet

Thompson Pump boasts over 1,800 large diesel and electric driven units available in the Thompson-owned rental fleets across the country. Additionally, there are thousands more Thompson pumps available for rent in the fleets of our dealers nationwide.

Partner Support Program

Only Thompson Pump offers the exclusive Partner Support Program, one component of which makes company owned rental fleet pumps available to all dealers and pump users. Thompson Pump maintains a central database to advise dealers and pump users of the availability and status of pumps across the country, and partners with dealers to provide the right pump, at attractive rental rates, to users whenever needed. Modern manufacturing and logistics facilities enable Thompson Pump to provide high quality products across the globe.

Full Service

Full installation, turnkey services including system design, set-up, HDPE pipe fusion, preventative maintenance and 24-hour pump watch.

Pumpology® School

Pumpology® School educate new and experienced pump users in the basics of pumping as well as advanced concepts and applications. Held annually at the Thompson Pump headquarters, the schools are known throughout the industry for providing the tools to make contractors, public works officials and distributor sales, service and application professionals more successful. Upon completion of the course, students become certified Pumpologists®.

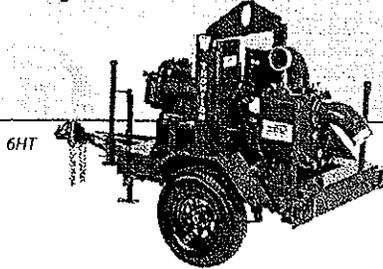


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Wet Priming Trash Pumps

These robust trash pumps provide complete dependability, while outperforming and costing less to operate than the competition.

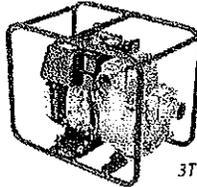
Applications: Pumping fluids with solids, sewage, flood drainage, deep excavations, ground water dewatering.



HT & TS Specifications

Unit Model	Size (In.)	Maximum Capacity (GPM)	Maximum Head (Ft.)	Maximum Solids (In.)
4HT	4	650	127	2.00
6HT	6	1,500	102	3.00
8HT	8	2,600	168	3.00
OPEN TRASH SEWAGE – TS SERIES				
4TS	4	930	112	3.00
6TS	6	1,460	150	3.00

The Utility Trash Pump Series is superior on small dewatering jobs.



T Series Specifications

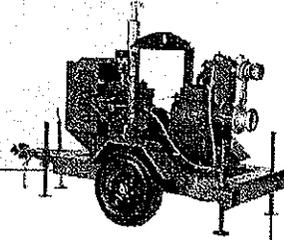
Unit Model	Size (In.)	Maximum Capacity (GPM)	Maximum Head (Ft.)	Maximum Solids (In.)
3T	3	430	98	1.50
4T	4	680	98	1.75

Dry Priming Trash Pumps

These versatile pumps are low maintenance, easy to operate and offer automatic dry priming and re-priming.

Applications: Open pumping and sewage bypass, pumping polluted, hot or corrosive wastewater, flood-type surface irrigation.

Features the environmentally-safe EnviroPrime System®.



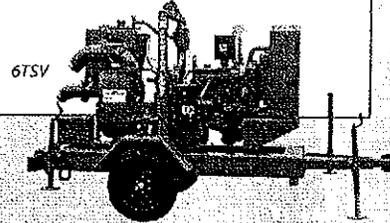
ENVIROPRIME system

HTC & TSC Specifications

Unit Model	Size (In.)	Maximum Capacity (GPM)	Maximum Head (Ft.)	Maximum Solids (In.)
4HTC	4	650	127	2.00
6HTC	6	1,500	102	3.00
8HTC	8	2,600	168	3.00
OPEN TRASH SEWAGE – TSC SERIES				
4TSC	4	930	112	3.00
6TSC	6	1,460	150	3.00

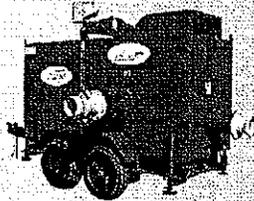
V & TSV Specifications

Unit Model	Size (In.)	Maximum Capacity (GPM)	Maximum Head (Ft.)	Maximum Solids (In.)
4V	4	650	127	2.00
6V	6	1,500	102	3.00
8V	8	2,600	168	3.00
OPEN TRASH SEWAGE – TSV SERIES				
4TSV	4	930	112	3.00
6TSV	6	1,460	150	3.00



Silent Knight® Pumps

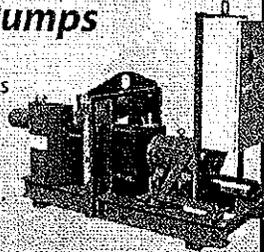
Thompson's high quality Silent Knight® Canopy reduces pump operation sound levels by 20+ dBA. The Silent Knight® canopy is available on most Thompson Pump models.



Capacity and Head shown for comparative purposes. Consult engineering data for exact capabilities.

Electric Driven Pumps

Over 20 models to choose from with variable speed VFD's (variable frequency drives). Provides reduced emissions, reduced sound pollution, energy and diesel fuel savings.



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Diaphragm Pumps

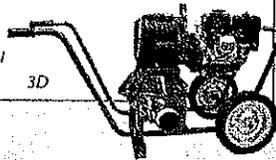
Particularly useful for pumping muddy water, sludge or any liquid with a high percentage of solids - one of the best features of the diaphragm pump is the ability to run dry indefinitely without damage. Available with a gasoline, electric or diesel engine.

Applications: Open pit dewatering, manholes, cleaning cesspools and septic tanks, irrigation and agriculture.

D Series Specifications

Unit Model	Size (In.)	Maximum Capacity (GPM)	Maximum Head (Ft.)	Maximum Solids (In.)
SINGLE DIAPHRAGM PUMPS:				
2D	2	80	40	2.00
3D*	3	90	50	2.375
DOUBLE DIAPHRAGM PUMPS:				
4D	4	180	50	2.375

* Available with stainless steel wetted parts



Hydraulic Submersible Pumps

Ideal for high head or high lift requirements, the Thompson Hydraulic Submersible Series features variable speeds and flows and can run dry without damage.

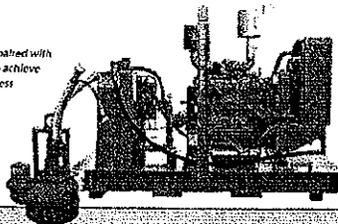
Applications: Open pit and trench dewatering, manholes and lift stations, sewer and pipe lines, rim ditches.

Hydraulic Submersible Pump Specifications

Unit Model	Size (In.)	Maximum Capacity (GPM)	Maximum Head (Ft.)	Maximum Solids (In.)
30HST	3	590	90	1.75
40HST	4	1,300	130	3.00
46HST	6	1,550	130	3.00
60HST	6	2,000	130	3.00
68HST	8	2,300	75	3.00
80HST	8	2,600	140	3.00
88HST	8	3,300	240	3.00
120HST	12	7,200	100	4.25
Model	Max. Pressure* (PSI)	Flow* (GPM)	Reservoir (GPM)	
10HPU	2,800	14	30	
32HPU	2,800	36	60	
78HPU	2,300	82	50	

Hydraulic Power Units are paired with Submersible Pump Ends to achieve a desired performance, unless otherwise requested.

78HPU



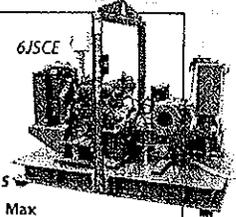
High Pressure Pumps

Solids Handling

The popular JSC and JSV Series centrifugal pumps provide automatic priming and large solids handling. The durable construction and the highly efficient pump ends provide longer life and economical operations but most importantly lower fuel costs.

Applications: Sewer bypassing, dewatering, emergency flood response, transfer of liquids with solids.

ENVIROPRIME system



High Pressure JSC Specifications

Unit Model	Size (In.)	Max Capacity (GPM)	Max Head (Ft.)	Max Solids (In.)
3JSCB	3	800	330	1.00
4JSCM*	4	1,450	175	3.00
4JSCC	4	1,450	230	3.00
4JSCD	4	1,410	330	3.00
6JSCD	6	1,410	440	3.00
6JSCE*	6	2,600	195	3.00
8JSCE	8	3,200	300	3.00
8JSCW-JD8	8	4,000	430	2.00
8JSCW-CT8	8	4,250	660	2.00
10JSCG	10	4,500	220	3.38
12JSCG	12	5,300	405	3.38
12JSCJ	12	7,800	102	3.00
18JSCJ	18	9,000	240	3.00
18JSCK	18	11,000	160	4.00

* Available as a Compact Series pump

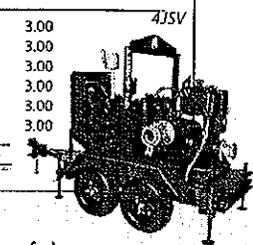
COMPACT

High Pressure JSV Specifications

Unit Model	Size (In.)	Max Capacity (GPM)	Max Head (Ft.)	Max Solids (In.)
4JSVD	4	1,350	330	3.00
4JSVM	4	1,450	175	3.00
4JSVC	4	1,450	230	3.00
6JSVE	6	2,500	195	3.00
8JSVE	8	2,750	300	3.00
12JSVJ	12	7,800	108	3.00

All JSV pumps are available with Oil Less Vacuum Technology

Oil Less Vacuum Technology



Clear Liquid

High pressure provides streams of clean water for jetting, water blasting, wellpoint installation and fire protection.

High Pressure J & JC Specifications

Unit Model	Size (In.)	Max Capacity (GPM)	Max Head (Ft.)	Max PSI
4JA & 4JCA	4	1,120	475	206
6JB & 6JCB	6	1,600	425	212
6JC & 6JCC	6	1,100	490	212

Consult engineering data for exact maximum performance RPM

Equipped with EnviroPrime® Compressor Assisted Priming System

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Wellpoint Pumps

An integral part of Thompson's heritage. Wellpoint Pumps have been specially adapted to handle demanding dewatering applications.

Applications: Wellpoint dewatering, sock dewatering, remediation, and dewatering of:

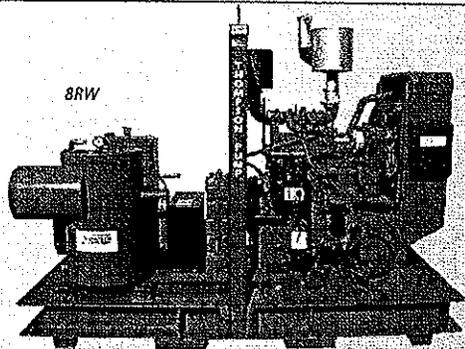
- Trenches
- Sewer/gas/water pipelines
- Jack and bore pits
- Lift Stations
- Head walls
- Cofferdams
- Elevator pits
- Golf course ponds
- Foundation structures
- Dams
- Borrow pits

Rotary Wellpoint Specifications

Unit Model	Size (In.)	Maximum Capacity (GPM)	Maximum Vacuum (Hg.)	Maximum CFM
8RW	8	1,750	29	275
12R	12	2,225	29	400

Piston Wellpoint Specifications

Unit Model	Size (In.)	Max Capacity (GPM)	Max Head (Ft.)	Max Suction Lift (Ft.)	Max CFM
6PW	6	400	66	30	53
8PW	8	800	66	27	100



Accessories

...More than just pumps. A full inventory of accessories for all applications is available from Thompson throughout the world. All accessories are engineered to meet our rigorous performance standards with the quality needed to complete any job.

- High Density Polyethylene (HDPE) Pipe
- Suction and Discharge Hose
- Thompson Galvanized Pipe & Fittings
- Wellpointing Accessories
- Hydraulic Accessories
- Automatic Start/Stop Controls
- Auto-Dialers, and much more!

Support & Service

- Applications Engineering Consulting
 - Bypass Systems
 - Wellpoint Systems
 - Emergency Response Team (ERT)
- Full Service
- Rental Fleet
- Service and Preventative Maintenance Programs
- Genuine Thompson Pump Parts
 - Impellers
 - Mechanical Seals
 - Wear Plates
- Pumpology® School

Enviroprime System®, Silent Knight®, Arctic Knight® and Pumpology® are Registered Trademarks of Thompson Pump.

Thompson Pump products are the subject of one or more of the following U.S. and Foreign patents: 3,088,534; 4,772,187; 4,938,671; 4,984,975; 5,011,382; 5,102,297; 5,139,401; 5,145,015 and are the subject of pending U.S. and Foreign Patent Applications.

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/24/2015

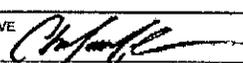
THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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PRODUCER Applied Risk Services, Inc. 10825 Old Mill Rd Omaha, NE 68154 (877) 234-4420	CONTACT NAME: PHONE (A/C, No, Ext): (877) 234-4420 FAX (A/C, No): (877) 234-4421 E-MAIL ADDRESS: PRODUCER CUSTOMER ID#	
	INSURER(S) AFFORDING COVERAGE NAIC # INSURER A: Continental Indemnity Co. 28258 INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	
INSURED Thompson Pump and Manufacturing Company, Inc. PO Box 291370 Port Orange, FL 32129-1370 CTL 1273 1116539		

COVERAGES		CERTIFICATE NUMBER:		REVISION NUMBER:		
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.						
INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC					EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ \$
	<input type="checkbox"/> UMBRELLA LIAB OCCUR <input type="checkbox"/> EXCESS LIAB CLAIMS MADE DEDUCTIBLE RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$ \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under SPECIAL PROVISIONS below	N/A	73-847637-01-10	12/28/2015	12/28/2016	<input checked="" type="checkbox"/> WC STATUTORY LIMITS OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach Acord 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER Thompson Pump & Mfg Co Inc 4620 City Center Drive PO Box 291370 Port Orange, FL 32129	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE  L039971
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Orion Registrar, Inc.

Thorough and Fair Auditing

Certificate of Certification

Orion Registrar, Inc., USA

This is to certify the Quality Management System of:

Thompson Pump and Manufacturing Co., Inc.

4620 City Center Drive

Port Orange, Florida 32129

USA

Has been assessed by Orion Registrar and found to be in compliance with the following Quality Standard:

ISO 9001:2008

The Quality Management System is applicable to:

Designer and Manufacturer of Innovative Pumps and Dewatering Equipment for the Construction, Public Works, Energy and Mining Markets.

The Certification period is from

June 27, 2013 to June 26, 2016

This certification is subject to the company maintaining its system to the required standard, and applicable exceptions, which will be monitored by Orion.

Client ID 01329-00001. Certificate ID A0001903-4.

IAF / NAICS / SIC Code(s): 18 / 333911 / 3561



Paul M. Burck
Paul M. Burck, President

02/04/2015

Date



7502 W. 80th Avenue, Suite 225 ▼ Arvada, Colorado 80003 ▼ 303-456-6010 ▼ FAX 303-456-6681 ▼ www.orion4value.com

To authenticate this certificate, please visit: <http://www.orion4value.com/about-orion/registered-companies/>