

# Portable Pumps

- Transportable
- MaxStream
- Diesel
- Floating Pumps
- Pro Kit
- Skid and Trailer



**HALE**  
Products

***Class 1***



## Hale Portable Pumps

Hale pumps are rugged, tough, and engineered to perform. Our portable pumps are built to last over the long haul, with real world engineering and hard working construction that will work under the most severe conditions.

To ensure our quality control procedures, Hale Products is an ISO 9001 certified facility.

To guarantee solid, dependable performance to quality and industry specifications, all Hale pump performances match one or more of the ratings of NFPA 1906, ISO 9 or ISO 8 standards.

Our pumps are constructed to fit your needs. We have models in many sizes and configurations to meet your firefighting requirements.

### *Types of Engines Available*

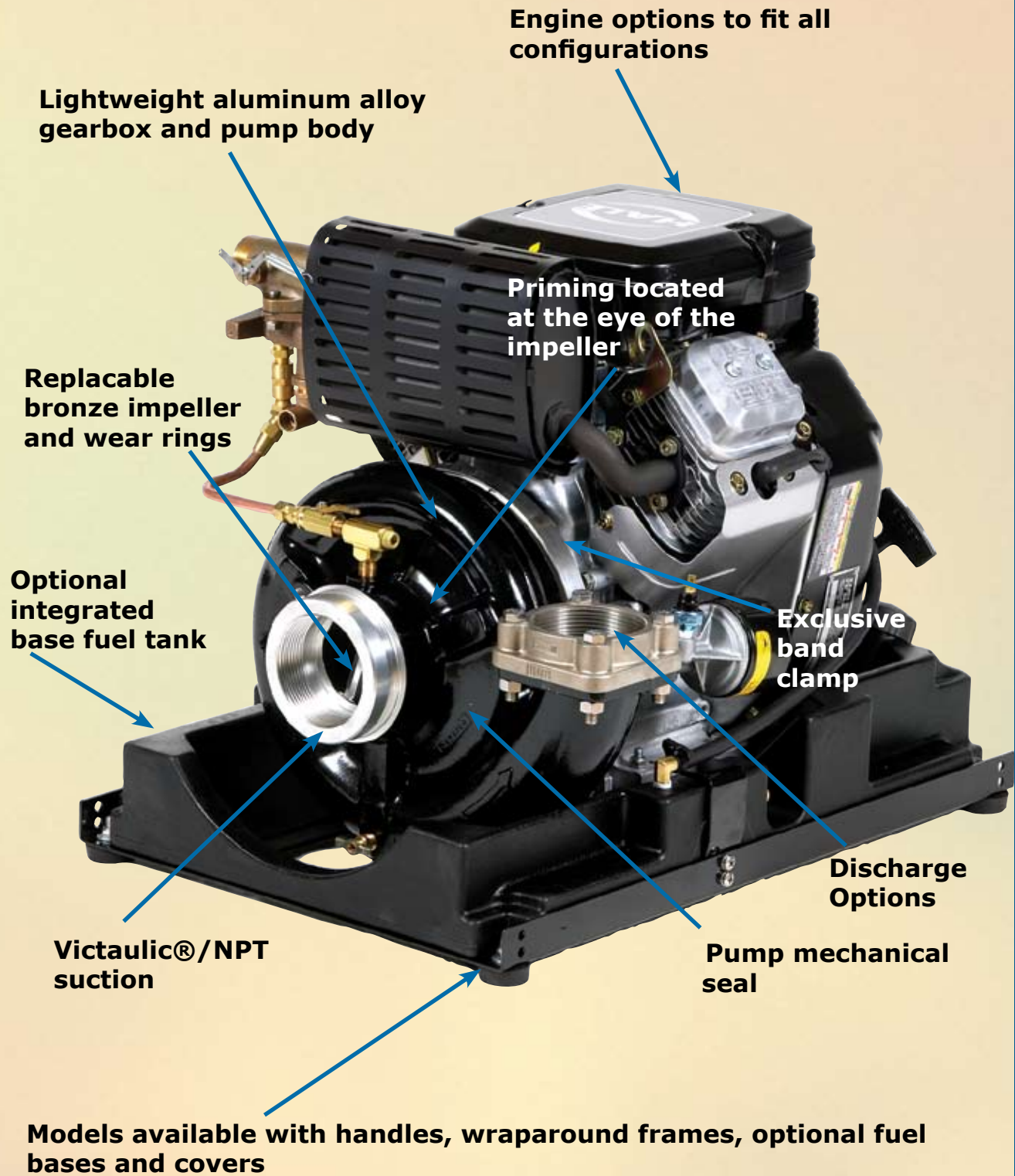
B18	Briggs & Stratton® Gasoline	18 HP
B11	Briggs & Stratton® Gasoline	11 HP
H20	Honda® Gasoline	20 HP
YD9	Yanmar® Diesel	9 HP
LD26	Lombardini® Air Cooled Diesel	26 HP
BD26	Briggs & Stratton® Diesel	26 HP
BD34	Briggs & Stratton® Diesel	34 HP

### *Types of Pump Ends*

75	High Pressure, Medium Volume
100	Medium High Pressure, Medium Volume
125	High Pressure, Medium Volume
200	Medium Pressure, Medium Volume
300	High Capacity, Medium Low Pressure
350	High Capacity, Medium Pressure
400	High Capacity, Low Pressure



## Features



## Portable Pump Configuration Selector



Pump End/ Engine Combination	Transportable w/handles	Transportable w/wraparound frame	MaxStream without base tank	MaxStream with base fuel tank
75-B18	HPT	HPW	HPX	HPXB
100-B18	HPT	HPW	HPX	HPXB
200-B18	HPT	HPW	HPX	HPXB
300-B18	HPT	HPW	HPX	HPXB
400-B18	HPT	HPW	HPX	HPXB
75-B11	HPT		HPX	
200-B11	HPT		HPX	
75-H20	HPT	HPW	HPX	HPXB
100-H20	HPT	HPW	HPX	HPXB
200-H20	HPT	HPW	HPX	HPXB
300-H20	HPT	HPW	HPX	HPXB
400-H20	HPT	HPW	HPX	HPXB
75-YD9	HPT		HPX	
200-YD9	HPT		HPX	
100-BD26			HPX	
200-BD26			HPX	
300-BD26			HPX	
400-BD26			HPX	
125-BD34			HPX	
350-BD34			HPX	

<b>HPT75-B18</b>	<b>HPW75-B18</b>	<b>HPX75-B18</b>	<b>HPXB75-B18</b>
<b>HPT100-B18</b>	<b>HPW100-B18</b>	<b>HPX100-B18</b>	<b>HPXB100-B18</b>

**Briggs and Stratton® Vanguard® Engine  
75 Pump End**

✓ *Meets ISO Class 9 Performance Ratings*



HPT75-B18

135 GPM @ 50 PSI	80 GPM @ 200 PSI
105 GPM @ 150 PSI	15 GPM @ 325 PSI

**Applications:** Wildland and Attack Firefighting, Booster Reel or Single 1-<sup>3</sup>/<sub>4</sub> Line

**Description:** High Pressure, Medium Volume

**Maximum Flow:** 135 GPM

**Maximum Pressure:** 350 PSI

**Engine:** Briggs & Stratton Vanguard® 350400 series gas engine; horizontal shaft, air cooled, V-Twin Overhead Valve (OHV)

**Starting:** Electric start with recoil backup

**STANDARD EQUIPMENT**

**Body:** Aluminum body

**Impeller:** 4-<sup>7</sup>/<sub>8</sub>" silicon bronze impeller

**Seal:** Mechanical seal

**Suction:** 2" NPT female suction

**Discharge:** HPX and HPXB — 1-<sup>1</sup>/<sub>2</sub>" Female NPT  
HPT and HPW — 1-<sup>1</sup>/<sub>2</sub>" male screw type valve, swivels 175° for ease of hose layout

**Priming:** Exhaust venturi - 20 inches HG priming

**Briggs and Stratton® Vanguard® Engine  
100 Pump End**

✓ *Meets ISO Class 9 Performance Ratings*



HPXB100-B18

150 GPM @ 50 PSI	65 GPM @ 200 PSI
100 GPM @ 150 PSI	20 GPM @ 285 PSI

**Applications:** Wildland and Attack Firefighting, Booster Reel or Single 1-<sup>3</sup>/<sub>4</sub> Line

**Description:** High Pressure, Medium Volume

**Maximum Flow:** 160 GPM

**Maximum Pressure:** 290 PSI

**Engine:** Briggs & Stratton Vanguard® 350400 series gas engine; horizontal shaft, air cooled, V-Twin Overhead Valve (OHV)

**Starting:** Electric start with recoil backup

**STANDARD EQUIPMENT**

**Body:** Aluminum body

**Impeller:** 4-<sup>7</sup>/<sub>8</sub>" silicon bronze impeller

**Seal:** Mechanical seal

**Suction:** 2" NPT female suction

**Discharge:** HPX and HPXB — 1-<sup>1</sup>/<sub>2</sub>" Female NPT  
HP Premium, HPT and HPW — 1-<sup>1</sup>/<sub>2</sub>" male screw type valve, swivels 175° for ease of hose layout

**Priming:** Exhaust venturi - 20 inches HG priming

# dimensions

	L	x	W	x	H	Weight		L	x	W	x	H	Weight
HPT75	27- <sup>5</sup> / <sub>8</sub> "	x	19- <sup>1</sup> / <sub>4</sub> "	x	20- <sup>1</sup> / <sub>4</sub> "	171 lbs	HPT100	27- <sup>5</sup> / <sub>8</sub> "	x	19- <sup>1</sup> / <sub>4</sub> "	x	20- <sup>1</sup> / <sub>4</sub> "	171 lbs
HPW75	28"	x	17- <sup>1</sup> / <sub>2</sub> "	x	21- <sup>15</sup> / <sub>16</sub> "	193 lbs	HPW100	28"	x	19- <sup>15</sup> / <sub>16</sub> "	x	21- <sup>15</sup> / <sub>16</sub> "	193 lbs
HPX75	21"	x	18"	x	20"	157 lbs	HPX100	21"	x	18"	x	20"	157 lbs
HPXB75	25"	x	17- <sup>1</sup> / <sub>2</sub> "	x	20"	169 lbs	HPXB100	25"	x	17- <sup>1</sup> / <sub>2</sub> "	x	20"	169 lbs

**HPT200-B18**  
**HPT300-B18**

**HPW200-B18**  
**HPW300-B18**

**HPX200-B18** **HPXB200-B18**  
**HPX300-B18** **HPXB300-B18**

**Briggs and Stratton® Vanguard® Engine  
200 Pump End**

✓ *Meets ISO Class 9 Performance Ratings*



HPT200-B18

245 GPM @ 10 PSI	150 GPM @ 100 PSI
195 GPM @ 75 PSI	60 GPM @ 150 PSI

**Applications:** Wildland and Attack Firefighting; Booster Reel or single 1-3/4 Line; 2-1/2" Supply Line

**Description:** Medium Pressure, Medium Volume

**Maximum Flow:** 245 GPM

**Maximum Pressure:** 165 PSI

**Engine:** Briggs & Stratton Vanguard® 350400 series gas engine; horizontal shaft, air cooled, V-Twin Overhead Valve (OHV)

**Starting:** Electric start with recoil backup

**STANDARD EQUIPMENT**

**Body:** Aluminum body

**Impeller:** 8-3/4" silicon bronze impeller

**Seal:** Mechanical seal

**Suction:** 3" NPT female suction, 4" Victaulic®

**Discharge:** HPX and HPXB — 2-1/2" Female NPT HP Premium, HPT and HPW — 2-1/2" male screw type valve, swivels 175° for ease of hose layout

**Priming:** Exhaust venturi - 20 inches HG priming

**Briggs and Stratton® Vanguard® Engine  
300 Pump End**



HPW300-B18

380 GPM @ 25 PSI	240 GPM @ 75 PSI
325 GPM @ 50 PSI	155 GPM @ 100 PSI

**Applications:** Transfer and Supply, Tank Refilling; Low Pressure Firefighting with Multiple Lines

**Description:** Medium Low Pressure, Medium High Volume

**Maximum Flow:** 400 GPM

**Maximum Pressure:** 120 PSI

**Engine:** Briggs & Stratton Vanguard® 350400 series gas engine; horizontal shaft, air cooled, V-Twin Overhead Valve (OHV)

**Starting:** Electric start with recoil backup

**STANDARD EQUIPMENT**

**Body:** Aluminum body

**Impeller:** 8" silicon bronze impeller

**Seal:** Mechanical seal

**Suction:** 3" Female NPT suction, 4" Victaulic®

**Discharge:** 2-1/2" NST male discharge, swivels 175° for ease of hose layout

**Priming:** Exhaust Venturi - 20 inches HG priming

## dimensions

	L	x	W	x	H	Weight		L	x	W	x	H	Weight
HPT200	27-5/8"	x	19-1/4"	x	20-1/4"	152 lbs	HPT300	27-5/8"	x	19-1/4"	x	20-1/4"	154 lbs
HPW200	28"	x	18-3/4"	x	21-15/16"	174 lbs	HPW300	28"	x	18-3/4"	x	21-15/16"	176 lbs
HPX200	20-1/4"	x	18"	x	20"	145 lbs	HPX300	21"	x	18"	x	20"	140 lbs
HPXB200	25"	x	17-1/2"	x	20"	150 lbs	HPXB300	25"	x	17-1/2"	x	20"	152 lbs

<b>HPT400-B18</b>	<b>HPW400-B18</b>	<b>HPX400-B18</b>	<b>HPXB400-B18</b>
<b>HPT75-H20</b>	<b>HPW75-H20</b>	<b>HPX75-H20</b>	<b>HPXB75-H20</b>

**Briggs and Stratton® Vanguard®/ Engine 400 Pump End**



HPXB400-B18

550 GPM @ 10 PSI	215 GPM @ 75 PSI
340 GPM @ 50 PSI	90 GPM @ 100 PSI

**Applications:** Transfer and Supply, Tank Refilling  
**Description:** Low Pressure, High Volume  
**Maximum Flow:** 550 GPM  
**Maximum Pressure:** 100 PSI  
**Engine:** Briggs & Stratton Vanguard® 350400 series gas engine; horizontal shaft, air cooled, V-Twin Overhead Valve (OHV)  
**Starting:** Electric start with recoil backup

**STANDARD EQUIPMENT**

**Body:** Aluminum body  
**Impeller:** 7-<sup>1</sup>/<sub>4</sub>" silicon bronze impeller  
**Seal:** Mechanical seal  
**Suction:** 3" Female NPT suction, 4" Victaulic®  
**Discharge:** HPX and HPXB — 3" NPT HP Premium, HPT and HPW — (2) 2-<sup>1</sup>/<sub>2</sub>" male screw type valve, swivels 175° for ease of hose layout  
**Priming:** Exhaust venturi - 20 inches HG priming

**Honda® Engine 75 Pump End**

✓ *Meets ISO Class 9 Performance Ratings*



HPX75-H20

110 GPM @ 50 PSI	75 GPM @ 200 PSI
100 GPM @ 150 PSI	30 GPM @ 300 PSI

**Applications:** Wildland and Attack Firefighting Booster Reel or Single 1-<sup>3</sup>/<sub>4</sub> Line  
**Description:** High Pressure, Low Volume  
**Maximum Flow:** 113 GPM  
**Maximum Pressure:** 338 PSI  
**Engine:** Honda 20 BHP V-Twin, Overhead Valve (OHV) gas engine  
**Starting:** Electric start with recoil backup

**STANDARD EQUIPMENT**

**Body:** Aluminum body  
**Impeller:** 4-<sup>7</sup>/<sub>8</sub>" silicon bronze impeller  
**Seal:** Mechanical seal  
**Suction:** 2" NPT female suction  
**Discharge:** HPX and HPXB — 1-<sup>1</sup>/<sub>2</sub>" Female NPT HPT and HPW — 1-<sup>1</sup>/<sub>2</sub>" male screw type valve, swivels 175° for ease of hose layout  
**Priming:** Exhaust venturi - 20 inches HG priming

# dimensions

	L	x	W	x	H	Weight		L	x	W	x	H	Weight
HPT400	27- <sup>5</sup> / <sub>8</sub> "	x	19- <sup>1</sup> / <sub>4</sub> "	x	20- <sup>1</sup> / <sub>4</sub> "	162 lbs	HPW75	28"	x	17- <sup>1</sup> / <sub>2</sub> "	x	21- <sup>15</sup> / <sub>16</sub> "	215 lbs
HPW400	28"	x	19- <sup>15</sup> / <sub>16</sub> "	x	21- <sup>15</sup> / <sub>16</sub> "	185 lbs	HPX75	21"	x	18"	x	20"	179 lbs
HPX400	21"	x	18"	x	20"	140 lbs	HPXB75	25"	x	17- <sup>1</sup> / <sub>2</sub> "	x	20"	191 lbs
HPXB400	25"	x	17- <sup>1</sup> / <sub>2</sub> "	x	20"	152 lbs							

**HPT100-H20**  
**HPT200-H20**

**HPX100-H20**  
**HPX200-H20**

**HPW100-H20**  
**HPW200-H20**

**HPXB100-H20**  
**HPXB200-H20**

**Honda® Engine**  
**100 Pump End**

✓ *Meets ISO Class 9 Performance Ratings*



HPT100-H20

145 GPM @ 50 PSI	45 GPM @ 200 PSI
110 GPM @ 150 PSI	10 GPM @ 265 PSI

**Applications:** Wildland and Attack Firefighting, Booster Reel or Single 1-3/4 Line

**Description:** High Pressure, Low Volume

**Maximum Flow:** 150 GPM

**Maximum Pressure:** 280 PSI

**Engine:** Honda 20 BHP V-Twin, Overhead Valve (OHV) gas engine

**Starting:** Electric start with recoil backup

**STANDARD EQUIPMENT**

**Body:** Aluminum body

**Impeller:** 4-7/8" silicon bronze impeller

**Seal:** Mechanical seal

**Suction:** 2" NPT female suction

**Discharge:** HPX and HPXB — 1-1/2" Female NPT HP Premium, HPT and HPW — 1-1/2" male screw type valve, swivels 175° for ease of hose layout

**Priming:** Exhaust venturi - 20 inches HG priming

**Honda® Engine**  
**200 Pump End**



HPW200-H20

245 GPM @ 10 PSI	150 GPM @ 100 PSI
195 GPM @ 75 PSI	85 GPM @ 135 PSI

**Applications:** Wildland and Attack Firefighting, Booster Reel or Single 1-3/4 Line, 2-1/2" Supply Line

**Description:** Medium Pressure, Medium Volume

**Maximum Flow:** 245 GPM

**Maximum Pressure:** 140 PSI

**Engine:** Honda 20 BHP V-Twin, Overhead Valve (OHV) gas engine

**Starting:** Electric start with recoil backup

**STANDARD EQUIPMENT**

**Body:** Aluminum body

**Impeller:** 8-3/4" silicon bronze impeller

**Seal:** Mechanical seal

**Suction:** 3" NPT female suction; 4" Victaulic®

**Discharge:** HPX and HPXB — 2-1/2" Female NPT HP Premium, HPT and HPW — 2-1/2" male screw type valve, swivels 175° for ease of hose layout

**Priming:** Exhaust venturi - 20 inches HG priming

## dimensions

	L	x	W	x	H	Weight		L	x	W	x	H	Weight
HPT100	27-5/8"	x	19-1/4"	x	20-1/4"	193 lbs	HPT200	27-5/8"	x	19-1/4"	x	20-1/4"	174 lbs
HPW100	28"	x	17-1/2"	x	21-15/16"	215 lbs	HPW200	28"	x	18-3/4"	x	21-15/16"	196 lbs
HPX100	21"	x	18"	x	20"	179 lbs	HPX200	21"	x	18"	x	20"	160 lbs
HPXB100	25"	x	17-1/2"	x	20"	191 lbs	HPXB200	25"	x	17-1/2"	x	20"	172 lbs



**HPT300-H20**  
**HPT400-H20**

**HPX300-H20**  
**HPX400-H20**

**HPW300-H20**  
**HPW400-H20**

**HPXB300-H20**  
**HPXB400-H20**

**Honda® Engine**  
**300 Pump End**



HPX300-H20

390 GPM @ 25 PSI	245 GPM @ 75 PSI
360 GPM @ 50 PSI	120 GPM @ 100 PSI

**Applications:** Transfer and Supply, Tank Refilling,

Low Pressure Firefighting with Multiple lines

**Description:** Medium Low Pressure, Medium High Volume

**Maximum Flow:** 400 GPM

**Maximum Pressure:** 115 PSI

**Engine:** Honda 20 BHP V-Twin, Overhead Valve (OHV) gas engine

**Starting:** Electric start with recoil backup

**STANDARD EQUIPMENT**

**Body:** Aluminum body

**Impeller:** 8" silicon bronze impeller

**Seal:** Mechanical seal

**Suction:** 3" NPT female suction; 4" Victaulic®

**Discharge:** HPX and HPXB — 2-1/2" Female NPT HP Premium, HPT and HPW — 2-1/2" male screw type valve, swivels 175° for ease of hose layout

**Priming:** Exhaust venturi - 20 inches HG priming

**Honda® Engine**  
**400 Pump End**



HPXB400-H20

550 GPM @ 10 PSI	225 GPM @ 75 PSI
485 GPM @ 25 PSI	150 GPM @ 85 PSI

**Applications:** Transfer and Supply, Tank Refilling

**Description:** Low Pressure, High Volume

**Maximum Flow:** 550 GPM

**Maximum Pressure:** 95 PSI

**Engine:** Honda 20 BHP V-Twin, Overhead Valve (OHV) gas engine

**Starting:** Electric start with recoil backup

**STANDARD EQUIPMENT**

**Body:** Aluminum body

**Impeller:** 7-1/4" silicon bronze impeller

**Seal:** Mechanical seal

**Suction:** 3" Female NPT; 4" Victaulic®

**Discharge:** HPX and HPXB — 2-1/2" NPT HP Premium, HPT and HPW — (2) 2-1/2" male screw type valve, swivels 175° for ease of hose layout

**Priming:** Exhaust venturi - 20 inches HG priming

# dimensions

	L	x	W	x	H	Weight		L	x	W	x	H	Weight
HPT300	27-5/8"	x	19-1/4"	x	20-1/4"	176 lbs	HPT400	27-5/8"	x	19-1/4"	x	20-1/4"	176 lbs
HPW300	28"	x	18-3/4"	x	21-15/16"	198 lbs	HPW400	28"	x	19-15/16"	x	21-15/16"	198 lbs
HPX300	21"	x	18"	x	20"	162 lbs	HPX400	21"	x	18"	x	20"	162 lbs
HPXB300	25"	x	17-1/2"	x	20"	174 lbs	HPXB400	25"	x	17-1/2"	x	20"	174 lbs

**HPX75-B11  
HPT75-B11**

**Briggs & Stratton 11 HP  
75 Pump End**



HPX75-B11

110 GPM @ 50 PSI    25 GPM @ 200 PSI  
50 GPM @ 150 PSI

**HPX200-B11  
HPT200-B11**

**Applications:** Supply, Tank Refilling, Low Pressure Firefighting with Single Line

**Description:** Medium Pressure, Low Volume

**Maximum Flow:** 110 GPM

**Maximum Pressure:** 240 PSI

**Engine:** Briggs & Stratton Intek™ 4-stroke gas

**Starting:** Electric start with recoil backup with voltage regulator

**STANDARD EQUIPMENT**

**Body:** Aluminum body

**Impeller:** 4-<sup>3</sup>/<sub>8</sub>" bronze enclosed, fully machined and balanced

**Seal:** Mechanical seal

**Suction:** 2" Female NPT female

**Discharge:** 1-<sup>1</sup>/<sub>2</sub> Female NPT

**Priming:** USFS style hand primer

**Briggs & Stratton 11 HP  
200 Pump End**



HPT200-B11

150 GPM @ 25 PSI    20 GPM @ 100 PSI  
105 GPM @ 50 PSI

**Applications:** Wildland and Attack Firefighting, Booster Reel or Single 1-<sup>1</sup>/<sub>2</sub> Line

**Description:** Medium Pressure, Medium Volume

**Maximum Flow:** 195 GPM

**Maximum Pressure:** 110PSI

**Engine:** Briggs & Stratton Intek™ 4-stroke gas

**Starting:** Electric start with recoil backup with voltage regulator

**STANDARD EQUIPMENT**

**Body:** Aluminum body

**Impeller:** 7-<sup>1</sup>/<sub>2</sub>" bronze enclosed, fully machined and balanced

**Seal:** Mechanical seal

**Suction:** 3" Female NPT

**Discharge:** 2-<sup>1</sup>/<sub>2</sub>" Female NPT

**Priming:** Hand Primer

**dimensions**

	L	x	W	x	H	Weight		L	x	W	x	H	Weight
HPT75	21.5"	x	18"	x	18.5"	105 lbs	HPT200	20.5"	x	18"	x	18.5"	135 lbs
HPW75	21.5"	x	18"	x	18.5"	105 lbs	HPW200	20.5"	x	18"	x	18.5"	135 lbs

**HPX75-YD9  
HPT75-YD9**

**Yanmar® 9 HP Engine  
75 Pump End**



HPT75-YD9

115 GPM @ 10 PSI	45 GPM @ 150 PSI
75 GPM @ 100 PSI	30 GPM @ 175 PSI

**HPX200-YD9  
HPT200-YD9**

**Applications:** Supply, Tank Refilling, Low Pressure Firefighting with Single Line  
**Description:** Medium Pressure, Low Volume  
**Maximum flow:** 115 GPM  
**Maximum Pressure:** 210 PSI  
**Engine:** Yanmar L100V .435 Liter Diesel  
**Starting:** Electric start with recoil backup

**STANDARD EQUIPMENT**

**Body:** Aluminum alloy body  
**Impeller:** Bronze enclosed type, fully machined and balanced  
**Seal:** Mechanical seal  
**Suction:** 2" Female NPT  
**Discharge:** 1-1/2" Female NPT  
**Priming:** Complete with 12-volt DC ESP Primer, shipped loose

**Yanmar® 9 HP Engine  
200 Pump End**



HPX200-YD9

185 GPM @ 10 PSI	100 GPM @ 50 PSI
10 GPM @ 100 PSI	

**Applications:** Wildland and Attack Firefighting, Booster Reel or Single 1-1/2 Line  
**Description:** Low Pressure, Medium Volume  
**Maximum Flow:** 200 GPM  
**Maximum Pressure:** 105 PSI  
**Engine:** Yanmar L100V .435 Liter Diesel  
**Starting:** Electric start with recoil backup

**STANDARD EQUIPMENT**

**Body:** Aluminum body  
**Impeller:** Bronze enclosed type, fully machined and balanced  
**Seal:** Mechanical seal  
**Priming:** Hand primer (optional 12-volt DC ESP Primer, shipped loose)

**dimensions**

	L	x	W	x	H	Weight		L	x	W	x	H	Weight
HPT75	22.31"	x	19.46"	x	21.57"	149 lbs	HPT200	20.84"	x	18.97"	x	21.57"	149 lbs
HPW75	22.31"	x	19.46"	x	21.57"	149 lbs	HPW200	20.84"	x	18.97"	x	21.57"	149 lbs

**HPX100-BD26**

**Briggs and Stratton Vanguard® 26 HP Engine/100 Pump End**

✓ *Meets ISO Class 9 Performance Ratings*



175 GPM @ 50 PSI	110 GPM @ 200 PSI
140 GPM @ 150 PSI	55 GPM @ 300 PSI

**HPX200-BD26**

**Applications:** Wildland and Attack Firefighting, Booster Reel or Single 1-3/4 Line

**Description:** High Pressure, Low Volume

**Maximum Flow:** 180 GPM

**Maximum Pressure:** 325 PSI

**Engine:** Briggs and Stratton® DM950D Diesel Engine, 4-cycle

**Starting:** Electric start

**STANDARD EQUIPMENT**

**Body:** Aluminum alloy body

**Impeller:** 4-7/8" bronze enclosed, fully machined and balanced

**Seal:** Mechanical seal

**Suction:** 1-1/2" Female NPT

**Discharge:** 3" Female NPT

**Priming:** Complete with 12-volt DC ESP Primer, shipped loose

**Briggs and Stratton Vanguard® 26 HP Engine/200 Pump End**



285 GPM @ 10 PSI	200 GPM @ 100 PSI
270 GPM @ 50 PSI	160 GPM @ 125 PSI

**Applications:** Supply, Tank Refilling, Low Pressure Firefighting with Multiple Lines

**Description:** Medium Pressure, Medium Volume

**Maximum Flow:** 290 GPM

**Maximum Pressure:** 135 PSI

**Engine:** Briggs and Stratton® DM950D Diesel Engine, 4-cycle

**Starting:** Electric start

**STANDARD EQUIPMENT**

**Body:** Aluminum alloy body

**Impeller:** 8-3/4" bronze enclosed, fully machined and balanced

**Seal:** Mechanical seal

**Suction:** 3" Female NPT/4" Victaulic

**Discharge:** 3" Female NPT

**Priming:** Complete with 12-volt DC ESP Primer, shipped loose

**dimensions**

	L	x	W	x	H	Weight		L	x	W	x	H	Weight
HPX100-BD26	32.3"	x	16.5"	x	29.55"	315 lbs	HPX200-BD26	32"	x	16.5"	x	31"	340 lbs

**HPX300-BD26** **HPX400-BD26**

**Briggs and Stratton Vanguard®  
26 HP Engine /300 Pump End**



395 GPM @ 10 PSI    315 GPM @ 75 PSI  
360 GPM @ 50 PSI    160 GPM @ 100 PSI

**Applications:** Transfer and Supply,  
Tank Refilling  
Low Pressure Firefighting with Multiple Lines  
**Description:** Low Pressure, High Volume  
**Maximum Flow:** 400 GPM  
**Maximum Pressure:** 100 PSI  
**Engine:** Briggs and Stratton® DM950D Diesel  
Engine, 4-cycle  
**Starting:** Electric start

**STANDARD EQUIPMENT**

**Body:** Aluminum alloy body  
**Impeller:** 8" bronze enclosed, fully machined  
and balanced  
**Seal:** Mechanical seal  
**Suction:** 3" Female NPT, 4" Victaulic®  
**Discharge:** HPX — 2-1/2" NPT  
**Priming:** Complete with 12-volt DC ESP Primer,  
shipped loose

**Briggs and Stratton Vanguard®  
26 HP Engine /400 Pump End**



500 GPM @ 30 PSI    330 GPM @ 70 PSI  
420 GPM @ 50 PSI    200 GPM @ 90 PSI

**Applications:** Transfer and Supply,  
Tank Refilling  
**Description:** Low Pressure, High Volume  
**Maximum Flow:** 600 GPM  
**Maximum Pressure:** 90 PSI  
**Engine:** Briggs and Stratton® DM950D Diesel  
Engine, 4-cycle  
**Starting:** Electric start

**STANDARD EQUIPMENT**

**Body:** Aluminum alloy body  
**Impeller:** 7-1/4" bronze enclosed, fully machined  
and balanced  
**Seal:** Mechanical seal  
**Suction:** 3" Female NPT/4" Victaulic  
**Discharge:** HPX — 3" NPT  
**Priming:** Complete with 12-volt DC ESP Primer,  
shipped loose

# dimensions

	L	x	W	x	H	Weight		L	x	W	x	H	Weight
HPX300-BD26	30.8"	x	16.5"	x	29.55"	315 lbs	HPX400-BD26	30.8"	x	16.5"	x	29.55"	315 lbs

**HPX125-BD34**

**Briggs and Stratton Vanguard®  
34 HP Engine/125 Pump End**

✓ *Meets ISO Class 9 Performance Ratings*



10 GPM @ 425 PSI	145 GPM @ 150 PSI
85 GPM @ 300 PSI	150 GPM @ 50 PSI

**HPX350-BD34**

**Applications:** Wildland and Attack Firefighting, Booster Reel and/or Single 1-<sup>3</sup>/<sub>4</sub>" Line

**Description:** High Pressure, Low Volume

**Maximum Flow:** 150 GPM (180 GPM Flooded Suction)

**Maximum Pressure:** 425 PSI (470 PSI Flooded Suction)

**Engine:** Briggs and Stratton® DM954DT Diesel Engine, 4-cycle

**Starting:** Electric start

**STANDARD EQUIPMENT**

**Body:** Aluminum alloy body

**Impeller:** 4-<sup>1</sup>/<sub>2</sub>" bronze enclosed, machined and balanced

**Seal:** Self-lubricating, self adjusting mechanical seal

**Suction:** 2" Female NPT

**Discharge:** 1-<sup>1</sup>/<sub>2</sub>" Female NPT

**Priming:** Complete with 12-volt DC ESP Primer, shipped loose

**Briggs and Stratton Vanguard®  
34 HP Engine/350 Pump End**

✓ *Meets ISO Class 9 Performance Ratings*



300 GPM @ 50 PSI	170 GPM @ 150 PSI
250 GPM @ 100 PSI	65 GPM @ 200 PSI

**Applications:** Wildland and Attack Firefighting, Booster Reel and/or Multiple 1-<sup>3</sup>/<sub>4</sub>" Lines

**Description:** Medium Pressure, High Volume

**Maximum Flow:** 360 GPM

**Maximum Pressure:** 215 PSI

**Engine:** Briggs and Stratton® DM954DT Diesel Engine, 4-cycle

**Starting:** Electric start

**STANDARD EQUIPMENT**

**Body:** High strength cast iron

**Impeller:** 5-<sup>3</sup>/<sub>4</sub>" bronze enclosed, fully machined and balanced

**Seal:** Self-lubricating, self adjusting mechanical seal

**Suction:** 3" Female NPT/4" Victaulic®

**Discharge:** 2" Female NPT/1 1/2" Hale bolt pattern

**Priming:** Complete with 12-volt DC ESP Primer

**dimensions**

	L	x	W	x	H	Weight		L	x	W	x	H	Weight
HPX125-BD34	35"	x	24"	x	32"	340 lbs	HPX350-BD34	35"	x	24"	x	32"	370 lbs

## HPX100-LD26

## Fyr Port

**Lombardini®**  
**26 HP Engine/100 Pump End**



165 GPM @ 10 PSI    90 GPM @ 200 PSI  
 145 GPM @ 100 PSI    40 GPM @ 300 PSI

**Applications:** Wildland and Attack Firefighting,  
**Description:** Medium Volume, High Pressure  
**Maximum Flow:** 170 GPM  
**Maximum Pressure:** 375 PSI  
**Engine:** Lombardini 9LD series Air Cooled Diesel  
**Starting:** Electric start

### STANDARD EQUIPMENT

**Body:** High strength aluminum alloy  
**Impeller:** Bronze enclosed, fully machined and balanced  
**Seal:** Self-lubricating, self adjusting mechanical seal  
**Priming:** Complete with 12-volt DC ESP Primer, shipped loose

## Fyr Port



74 GPM @ 20 PSI    37 GPM @ 150 PSI  
 56 GPM @ 100 PSI    13 GPM @ 200 PSI

**Application:** Wildland  
**Description:** High Pressure Lightweight Pump  
**Maximum Flow:** 76 GPM  
**Maximum Pressure:** 217 PSI  
**Engine:** U. S. Motor, single cylinder, 2 cycle 8 HP air cooled gas engine  
**Starting:** Recoil type starting

### STANDARD EQUIPMENT

**Body:** Lightweight aluminum  
**Impeller:** 4-<sup>3</sup>/<sub>4</sub>" hard fine grain bronze, machined and hand balanced  
**Seal:** Self-lubricating, self adjusting mechanical seal  
**Suction:** 2" Female NPT  
**Discharge:** 1-<sup>1</sup>/<sub>2</sub>" Female NPT  
**Priming:** Compact, hand operated, piston type brass priming pump

# dimensions

	L	x	W	x	H	Weight		L	x	W	x	H	Weight
HPX100-LD26	32"	x	22"	x	23.6"	310 lbs	Fyr Port	17.5"	x	16"	x	19.5"	50 lbs

## Super Chief Floating Pump

## Fyr Flote Floating Pump

### Super Chief Floating Pump



360 GPM @ 10 PSI	120 GPM @ 30 PSI
230 GPM @ 20 PSI	60 GPM @ 40 PSI

**Application:** Transfer and Tank Refilling

**Description:** High Volume, High Pressure

**Maximum Flow:** 425 GPM

**Maximum Pressure:** 50 PSI

**Engine:** Briggs & Stratton® Series Intek™ Series 11 HP, 3600 RPM @ no load. 21 cubic inch/344cc; single cylinder overhead valve (OHV) design. Advanced Anti-Vibration System (AVSTM)

**Starting:** Positive type rewind starter

### STANDARD EQUIPMENT

**Body:** High density polyethylene shell filled with closed-cell polyurethane foam

**Impeller:** 6-<sup>3</sup>/<sub>8</sub>" aluminum

**Discharge:** 2.5 NST male or ISO228/1-G21/2A parallel pipe; 3" (76 mm) hose diameter recommended for full output

### Fyr Flote Floating Pump



Model 20FV-C8			
150 GPM @ 10 PSI	80 GPM @	75 PSI	
115 GPM @ 50 PSI	45 GPM @	100 PSI	

**Application:** Wildland

**Description:** High Volume (Model 20FV-C8)  
High Pressure (Model 20FP-C8)

**Maximum Flow:** 150 GPM (20FV-C8)  
70 GPM (20FP-C8)

**Maximum Pressure:** 130 PSI (20FV-C8)  
175 PSI (20FP-C8)

**Engine:** US Motor Power single cylinder, two-cycle gas

**Starting:** Water resistant solid state ignition

### STANDARD EQUIPMENT

**Body:** Polyethylene float with carrying handles

**Impeller:** 4-<sup>3</sup>/<sub>4</sub>" bronze enclosed

**Suction:** Open port

**Discharge:** 1-<sup>1</sup>/<sub>2</sub>" NST male

**Priming:** Exclusive auto prime system works without a suction hose

Model 20FP-C8			
65 GPM @ 25 PSI	45 GPM @	100 PSI	
50 GPM @ 75 PSI	20 GPM @	150 PSI	

# dimensions

	L	x	W	x	H	Weight		L	x	W	x	H	Weight
SuperChief	30"	x	30"	x	23"	118 lbs	Fyr Flote	27.25"	x	20"	x	16"	49 lbs



## Fyr Pak Backpack Pump

## Pro Kit™

### Fyr Pak



74 GPM @ 20 PSI    37 GPM @ 150 PSI  
56 GPM @ 100 PSI    13 GPM @ 200 PSI

**Application:** Wildland

**Description:** High Pressure Backpack Pump

**Maximum Flow:** 76 GPM

**Maximum Pressure:** 217 PSI

**Engine:** U. S. Motor Power single cylinder, two cycle, 8 HP air cooled gas engine

**Starting:** Water resistant, sold state ignition

### STANDARD EQUIPMENT

**Body:** High strength aluminum alloy

**Impeller:** 4-<sup>3</sup>/<sub>4</sub>" bronze enclosed, fully machined and balanced

**Seal:** Self-lubricating, self adjusting mechanical seal

**Suction:** 1-<sup>1</sup>/<sub>2</sub>" male NST

**Discharge:** 1-<sup>1</sup>/<sub>2</sub>" male NST

**Priming:** Compact hand operated piston type brass priming pump

L	x	W	x	H	Weight
32"	x	16.5"	x	13"	34 lbs

### Pro Kit™ Portable Configuration



The Hale/Class 1 Portable Pro Kit™ program is designed to provide the professional fire-rescue vehicle manufacturer with an advanced method of configuring, ordering and installing Hale/Class 1's "state of the art" fire pump systems.

The system combines Hale's renowned portable pumps with Class 1 premium components.

The Hale/Class 1 Pro-Kit is available for either the HPX & HPXB 200/300/400 and HPX and HPXB 75/100 pumps for almost all the Hale Portable Pump offerings.

The entire system is pre-engineered utilizing advanced CAD systems that allow for a simple, clean, cost effective and repeatable design.

- All major components are pre-assembled, pre-plumbed and pre-wired providing significant labor savings
- Simplified ordering and purchasing result in significant cost savings
- Inventory and scrap are reduced. Pro-Kits are pre-wired and pre-plumbed
- Cycle time is reduced. Total system arrives ready to install
- System options include Class 1 Stainless Steel Valves and FoamLogix® Foam Systems
- Pro-Kit System comes with all stainless steel plumbing for unsurpassed corrosion resistance

Ordering is as simple as filling out the order form and faxing to our Class 1 facility.

### Standard Equipment

Stainless steel manifolds

Tank to pump valve and line

Tank refill valve and line

Hose reel valve and line

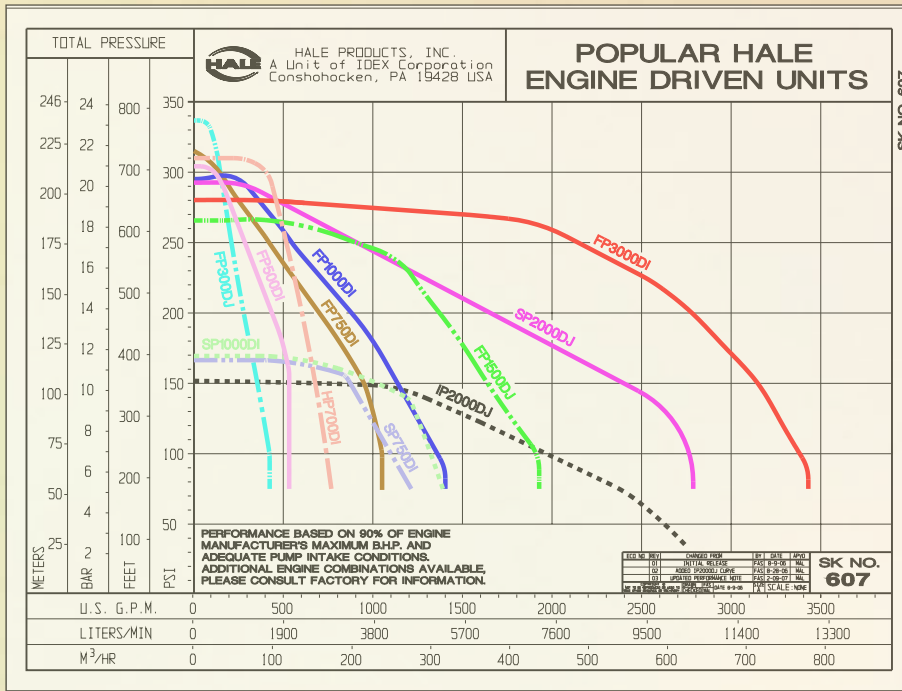
Main discharge valve

Suction inlet connection

Instrument panel

## Skid and Trailer Engine Driven Units

Hale offers a variety of standard and custom skid and trailer pumping modules with features designed to meet demanding applications. Varying in size and capability from small open chassis units to custom trailer pumping modules, they span a wide range of applications including marine firefighting pumps and industrial trailers. Hale has fire pump trainers and skids operating from Antarctica to Alaska in cold harsh working environments and units in the middle eastern deserts in extremely hot environments as well as at nuclear sites, airports, and other industrial locations. Hale builds water and foam pumping skids to meet the needs of government, forestry, and industrial customers.



**HP700DI-O Skid Mounted Series**



### Open Chassis

Open chassis units can be built into attack units, tankers and industrial vehicles as well as marine applications and stationary units. Ideal for installation on fire apparatus for wildland, ARFF or pump and roll applications. Available in either bronze or cast iron configurations. Standard equipment can include a pump/engine mounted on a structural steel base, full radiator engine cooling system, and air cleaner and muffler(s).

**SPM Series Marine Fire Pump Units**



### Marine

Marine units such as the one at left have been used in a variety of fire boat applications. Marine units are single stage high performance centrifugal pumps with bronze construction for marine environments. Most models are available with Class 1 electronic pump controls.

## Skid and Trailer Engine Driven Units



### Trailers

Trailer units are ideal for stand-by fire protection where mobility is crucial. Available in cast iron and bronze configurations, trailer units have a variety of standard and optional features and can be customized to meet your particular needs. Available in cast iron and bronze configurations. Standard equipment may include a pump/engine mounted on a structural steel base, full radiator engine cooling system, air cleaner and muffler(s) and an ESP with PVG electric priming system (mounted). Hale has built trailer units to be used in hurricane relief and for off shore oil company fire protection.



### Enclosed

Enclosed pumping units with base fuel tanks can be equipped with fork truck handling slots and D-ring tie-downs for versatility. Ideal for permanently installed and stand-by fire protection. Engine driven units are available in either cast iron or bronze configurations. Standard equipment may include a pump/engine mounted on a structural steel base, full radiator engine cooling system and air cleaner and muffler. Units can be customized for industrial firefighting situations in difficult environments.



### Options

Value added options like the stainless steel manifold shown at left can be added to a custom unit built to meet your needs.

Dual primers for fast priming, Thermal Relief Valves, Class 1 governors and instrumentation are all available as options.

Remote panels, pump pressure governors, and auto-start systems are just some of the long list of options that can be designed into custom units.

# Pump Performance Charts

PUMP SERIES MODEL	FUEL TYPE	GALLON PER MINUTE RATED PERFORMANCE AT SPECIFIED PRESSURE														
		10 psi	20 psi	25 psi	35 psi	50 psi	65 psi	75 psi	85 psi	100 psi	115 psi	125 psi	135 psi	150 psi	165 psi	175 psi
Product	Fuel	10 psi	20 psi	25 psi	35 psi	50 psi	65 psi	75 psi	85 psi	100 psi	115 psi	125 psi	135 psi	150 psi	165 psi	175 psi
HP75-B11	GAS	116	115	115	114	113	112	100	104	92	76	67	61	52	44	38
HP75-B18	GAS	135	135	135	135	135	135	134	132	127	122	117	112	105	97	93
HP75-H20	GAS	113	113	112	111	110	109	108	107	106	105	104	102	100	93	89
HP75-YD9	DIESEL	116	115	115	114	106	96	90	84	76	68	61	56	47	38	32
HP100-B18	GAS	160	158	157	155	152	147	143	138	130	120	115	110	100	90	85
HP100-BD26	DIESEL	180	178	177	176	175	173	171	169	165	162	157	150	142	133	127
HP100-H20	GAS	150	149	148	147	146	145	144	143	141	137	133	132	113	70	62
HP100-LD26	DIESEL	168	168	167	165	160	157	155	153	145	139	134	128	120	111	107
HPX350-BD34	DIESEL	360	355	350	340	330	310	290	270	250	230	215	200	170	140	120
HP200-B11	GAS	178	161	150	135	108	82	65	47	21						
HP200-B18	GAS	248	243	242	238	231	210	193	175	150	125	107	90	63	38	
HP200-BD26	DIESEL	285	283	281	278	270	252	238	223	200	178	160				
HP200-H20	GAS	248	242	240	238	233	215	197	180	153	125	110	87			
HP200-YD9	DIESEL	185	165	156	136	108	79	59	40	11						
HP300-B18	GAS	395	390	380	370	327	265	240	205	155	100					
HP300-BD26	DIESEL	395	385	383	375	365	340	315	285	160						
HP300-H20	GAS	400	397	393	386	360	290	245	190	120	2					
HP400-B18	GAS	550	510	475	420	340	265	215	165	90						
HP400-BD26	DIESEL	570	550	525	490	420	360	315	270							
HP400-H20	GAS	550	525	485	450	355	285	227	150							
SUPERCHIEF	GAS	363	230	175	95	2										
20FP-C8	GAS	67	66	65	63	59	56	53	50	45	40	35	32	23	12	2
20FV-C8	GAS	150	145	142	133	115	97	82	67	45	27	12				
FYR PORT	GAS	75	74	73	72	71	67	65	61	57	55	51	43	37	31	26

Performance based on 90% of engine manufacturers maximum B.H.P. at standard test conditions with properly sized suction hose under 2000 ft. elevation. Performance does not account for OEM or customer installed piping losses. Lift varies with unit. Actual unit performance curves should be consulted or Hale contacted for application performance verification.

# Pump Performance Charts

PUMP SERIES MODEL	GALLON PER MINUTE RATED PERFORMANCE AT SPECIFIED PRESSURE													MAX PRESSURE	MAX FLOW
	Product	185 psi	200 psi	215 psi	225 psi	235 psi	250 psi	265 psi	275 psi	285 psi	300 psi	325 psi	350 psi		
HP75-B11	34	26	18	12	4									240	117
HP75-B18	87	80	73	67	62	55	45	40	35	27	17			350	135
HP75-H20	85	77	70	65	60	52	47	41	37	30	10			338	113
HP75-YD9	27	18												210	116
HP100-B18	77	67	57	52	47	40	32	27	20					290	160
HP100-BD26	122	113	105	100	93	80	75	70	63	55	22			325	180
HP100-H20	53	45	37	33	27	20	10	5						283	150
HP100-LD26	100	93	86	80	75	66	59	53	50	40	27	13	4	375	170
HPX350-BD34	100	65	15											219	360
HP200-B11														112	195
HP200-B18														167	248
HP200-BD26														135	290
HP200-H20														143	248
HP200-YD9														106	200
HP300-B18														120	400
HP300-BD26														102	400
HP300-H20														115	400
HP400-B18														100	550
HP400-BD26														90	600
HP400-H20														96	550
SUPERCHIEF														50	425
20FP-C8														175	70
20FV-C8														133	150
FYR PORT	21	13	2											217	76

## Options and Accessories

Hale and Class 1 offer a variety of convenient options and accessories to compliment your portable pump selection.



### Standard Panel

Standard Panel comes complete with:

- Master switch
- Start button
- Priming pull cable
- Low oil pressure light
- Single discharge gauge
- Throttle and choke controls
- Standard on all "X" and "XB" versions
- Available on the B18 and H20 units only



### Deluxe Panel

The Deluxe Panel may be ordered separately. (It is included on premium HP models.) The Deluxe Panel comes complete with:

- Master switch
- Start button
- Priming lever
- Low oil pressure light
- Suction gauge
- Single discharge gauge
- Throttle and choke controls
- Available on the B18 and H20 units only



No Foam Panel, Single Discharge Gauge Base Panel  
Part Number 168-0071-41-0

### No Foam Panel, Single Discharge Gauge

- Master on/off switch
- Panel light and optional auxiliary light on/off switch
- Push-button engine start
- Engine choke and throttle controls
- Pump priming control
- 0-400 PSI pump discharge gauge
- Engine low oil pressure warning light
- Hose reel push-button switch
- Available on the B18 and H20 units only



Foam Panel, Single Discharge Gauge Base Panel  
Part Number 168-0071-42-0

### Foam Panel, Single Discharge Gauge

- Master on/off switch
- Panel light and optional auxiliary light on/off switch
- Push-button engine start
- Engine choke and throttle controls
- Pump priming control
- 0-400 PSI pump discharge gauge
- Engine low oil pressure warning light
- Hose reel push-button switch
- Panel cutout for 2.1A FoamLogix control head (Foam Controller not included with panel (part of FoamLogix system))
- Available on the B-18 and H-20 units only



Intelli-Tank Panel Single Discharge Gauge Base Panel  
Part Number 168-0071-38-0

### Intelli-Tank Panel, Single Discharge Gauge

- Master on/off switch
- Panel light and optional auxiliary light on/off switch
- Push-button engine start
- Engine choke and throttle controls
- Pump priming control
- 0-400 PSI pump discharge gauge
- Engine low oil pressure warning light
- Hose reel push-button switch
- Panel cutout for Intelli-Tank Level Gauge (Intelli-Tank gauge not included with panel (part of Intelli-Tank system))
- Available on the B18 and H20 units only

## Options and Accessories



No Foam Panel, Dual Gauge Base Panel  
Part Number 168-0071-50-0



Foam Panel, Dual Gauge Base Panel  
Part Number 168-0071-47-0



No Foam Panel, Diesel Units Base Panel  
Part Number 168-0071-73-0



Foam Panel, Diesel Units Base Panel  
Part Number 168-0071-72-0

### No Foam Panel, Dual Gauge

- Master on/off switch
- Panel light and optional auxiliary light on/off switch
- Push-button engine start
- Engine choke and throttle controls
- Pump priming control
- 30-0-150 Master Intake Gauge
- 0-400 PSI pump discharge gauge
- Engine low oil pressure warning light
- Hose reel push-button switch
- Available on the B18 and H20 units only

### Foam Panel, Dual Gauge

- Master on/off switch
- Panel light and optional auxiliary light on/off switch
- Push-button engine start
- Engine choke and throttle controls
- Pump priming control
- 30-0-150 Master Intake Gauge
- 0-400 PSI pump discharge gauge
- Engine low oil pressure warning light
- Hose reel push-button switch
- Panel cutout for 2.1A FoamLogix control head (Foam Controller not included with panel (part of FoamLogix system))
- Available on the B18 and H20 units only

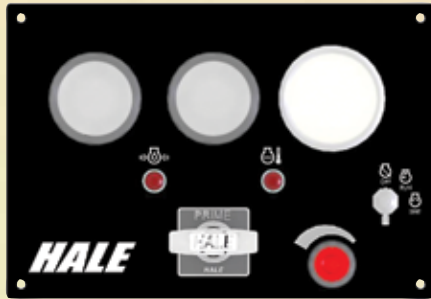
### No Foam Panel, Diesel Units

- Master on/off switch
- Panel light and optional auxiliary light on/off switch
- Rotary engine ignition switch
- Engine choke and throttle controls
- Vernier throttle control
- PVG Priming Valve mounting (PVG Valve not included with panel; PVG valve ordered with Hale ESP primer)
- 30-0-150 Master Intake Gauge
- 0-400 PSI pump discharge gauge
- Tachometer/Hourmeter
- Engine low oil pressure warning light
- High temperature warning light
- Hose reel push button switch
- Available on the BD26 and BD34 units only

### Foam Panel, Diesel Units

- Master On/Off Switch
- Panel light and optional auxiliary light on/off switch
- Rotary engine ignition switch
- Vernier throttle control
- PVG Priming Valve mounting (PVG Valve not included with panel; PVG valve ordered with Hale ESP primer)
- 30-0-150 Master Intake Gauge
- 0-400 PSI pump discharge gauge
- Tachometer/Hourmeter
- Engine low oil pressure warning light
- High temperature warning light
- Hose reel push button switch
- Panel cut-out for 2.1A FoamLogix control head (foam controller not included with panel; part of FoamLogix system)
- Available on the BD26 and BD34 units only

## Options and Accessories



Diesel Unit Standard Panel  
Part Number 168-0071-28-0

### Diesel Unit Standard Panel

- Rotary engine ignition switch
- Vernier throttle control
- PVG priming valve mounting (PVG valve not included with panel; PVG valve ordered with Hale ESP Primer)
- 30-1-150 Master Intake Gauge
- 0-400 PSI pump discharge gauge
- Tachometer/Hourmeter
- Engine low oil pressure warning light
- High temperature warning light
- BD26 and BD34 units only



### Caps, Adapters and Manifolds

Class 1 offers a wide range of caps and adapters to meet NFPA 1663 and 1901 standards.

3" and smaller caps and plugs come complete with a 12" chain.

6" long handle caps are designed for custom center inserts with contrasting border colors in your choice of red, blue or black.



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