

# 1-1/2" Engine Driven Two Stage High Pressure Pumps

- **Cast Iron Construction with Stainless Steel Closed Impellers**
- **Buna-N Mechanical Seal and O-Ring**
- **1-1/2" NPT Port Size**
- **Self-Priming\***
- **Engine Options: Honda or Briggs and Stratton**
- **Maximum Flow up to 68 GPM**
- **Maximum Head up to 90 PSI**
- **Heavy Duty Steel Roll Frame Included**
- **Wheel Kit Available**



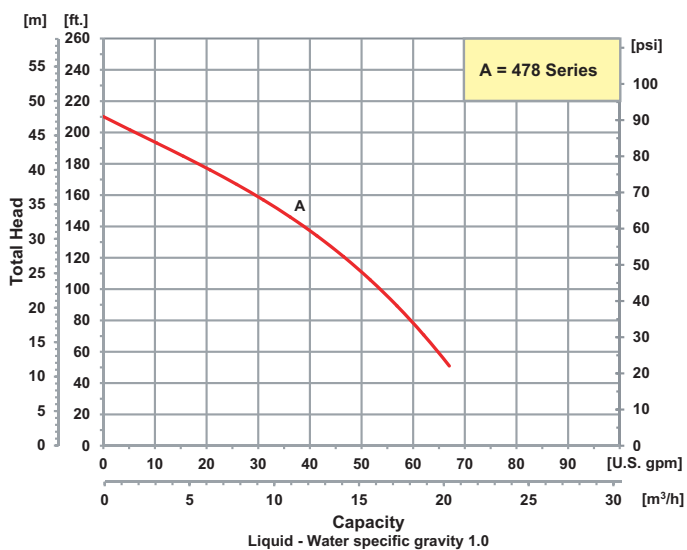
Model 4789-95



The AMT line of Engine Driven High Pressure pumps is designed for lawn sprinkling, agricultural spraying, dewatering, fire fighting, emergency water supply and pressure boosting. Two-stage models feature cast iron diffusers and 300 series stainless steel investment cast impellers for high efficiency producing up to 90 PSI that generally requires 8 horsepower or more from a single stage pump. Pumps offer a broad selection of gasoline engines from the leading engine manufacturer with dependable service worldwide. All models include: cast iron pipe nipples, 90° discharge elbow, strainer/foot valve and rugged heavy duty steel roll frame for protection and durability.

\*Requires Foot Valve (Included) Above 10 Ft.

## Performance of Engine Driven High Pressure Pumps



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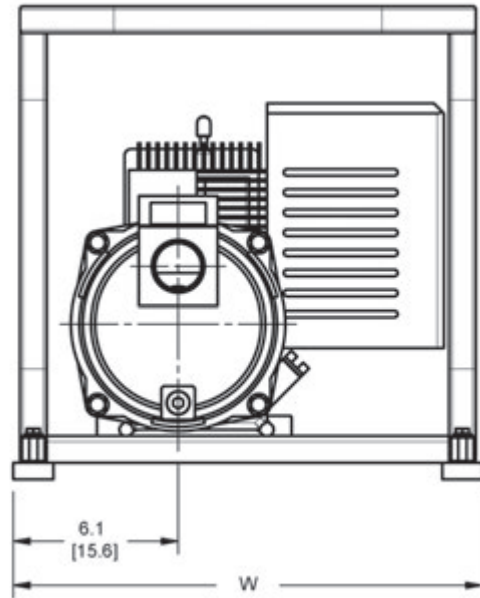
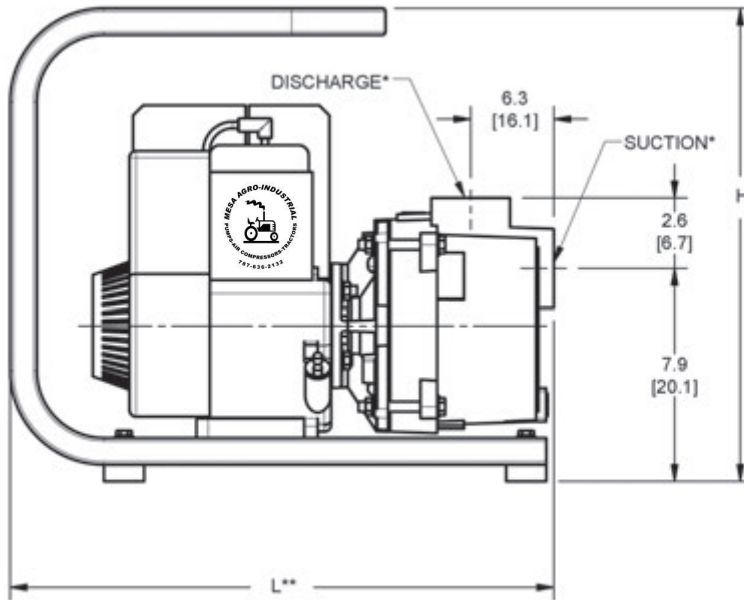
## Pump Dimensional & Specification Data



Model	Driver	Seal Type & Elastomer/Faces	Tank Size (Gal/Ltr)	Run Time (Hr.)	Ship Wt. (Lbs.)
4787-95	Briggs & Stratton Vanguard <sup>▲</sup>	Buna-N	0.87 / 3.3	1.3	105
4789-95	Honda GX160 <sup>▲</sup>	Buna-N	0.82 / 3.1	2.0	100

Construction: Cast Iron with Stainless Steel Impellers

▲ Oil Alert Included



### Optional Wheel Kit

For Roll Frame Pumps

Model	HP Class <sup>♦</sup>	SUC <sup>*</sup>	DIS <sup>*</sup>	L <sup>**</sup>	W	H
4787-95	5 HP	1½	1½	20.2 [51.3]	17.5 [44.4]	17.6 [44.7]
4789-95						

Model	Features	Ship Wt.
C402-90	Includes 10" semi-pneumatic tires on steel wheels with steel clamps and handles for universal mounting to frame.	25

♦ HP Class represents market category and is not intended to define actual horsepower.

(\*) Standard NPT (Male) pipe thread.

(\*\*) This dimension may vary due to engine manufacturer's specifications.

NOTE: Dimensions are in inches (centimeters) and have a tolerance of ± 1/8".

## Standard Features

- Buna-N Mechanical Seal and O-ring
- Stainless Steel High Efficiency Closed Impellers
- Two NPT Pipe Nipples & 90° Discharge Elbow
- Self-priming to 10 Ft. Without Foot Valve
- Replaceable Volute/Diffuser
- Maximum Temperature 180° F
- Maximum Working Pressure 150 PSI
- Delivers up to 68 GPM
- Strainer/Foot Valve Included
- Optional Wheel Kit Available

Model 2P5XHR

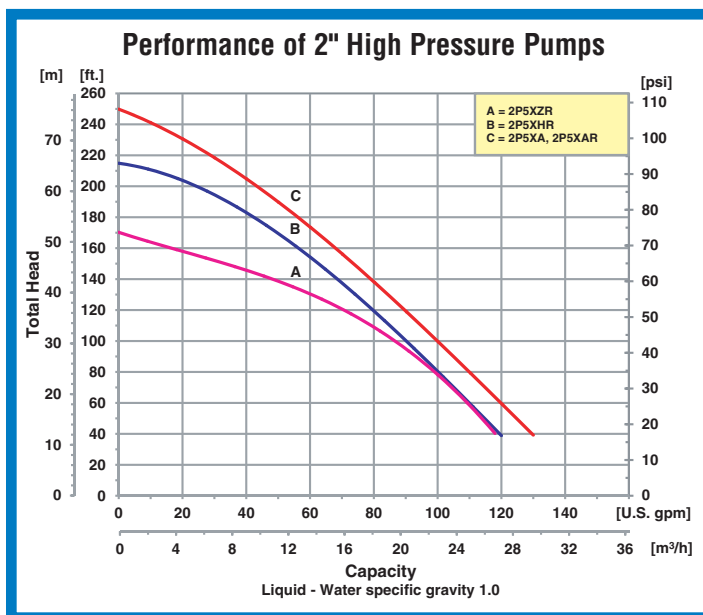
## 2" Engine Driven Portable High Pressure Pumps

- **Cast Aluminum Construction**
- **EPDM/EPR Mechanical Seals**
- **Optional Viton® Seal and Elastomers Available**
- **2" Cast Iron Suction & Discharge Male NPT Port Sizes**
- **Maximum Flow up to 130 GPM**
- **Maximum Head up to 108 PSI**
- **Maximum Lift to 26 Ft.**
- **One Tool Serviceability**
- **Utilized for Fire Protection or Irrigation**
- **Discharge Port Rotates in 90° Increments**
- **Engine Options: Honda, Briggs & Stratton Gasoline or Hatz Diesel Engines**
- **Optional High Pressure Hose Kit and Wheel Kit Available**



High Pressure Hose Kit 55-338

IPT 2" Engine Driven Portable High Pressure pumps are cast aluminum construction with cast iron volute and male NPT ports. Pump applications include fire protection and irrigation. These pumps are available with a wide choice of standard and heavy duty gasoline or diesel fueled engines. These pumps feature high efficiency closed cast aluminum impeller. All models come equipped with EPDM/EPR elastomers and seals. Most models include a heavy duty steel roll frame.



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## Pump Dimensional & Specification Data

Model	Curve	Driver	Seal Type & Elastomer/Faces	Tank Size (Gal/Ltr)	Run Time (Hr.)	Mounting	Ship Wt. (Lbs.)
2P5XA	C	Briggs & Stratton Vanguard▲	EPDM/EPR/CAR/CER	0.87 / 3.3	1.3	Handle	70
2P5XAR	C	Briggs & Stratton Vanguard▲	EPDM/EPR/CAR/CER	0.87 / 3.3	1.3	Roll Cage	90
2P5XHR	B	Honda GX160▲	EPDM/EPR/CAR/CER	0.82 / 3.1	2.8	Roll Cage	90
2P5XZR	A	Hatz Diesel 1B20	EPDM/EPR/CAR/CER	0.79 / 3.0	2.7	Roll Cage	110

Construction: Cast Aluminum with Cast Iron Components

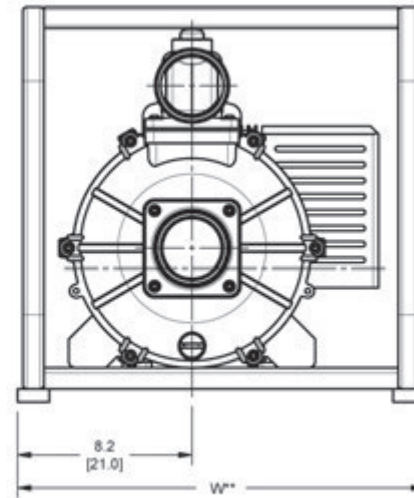
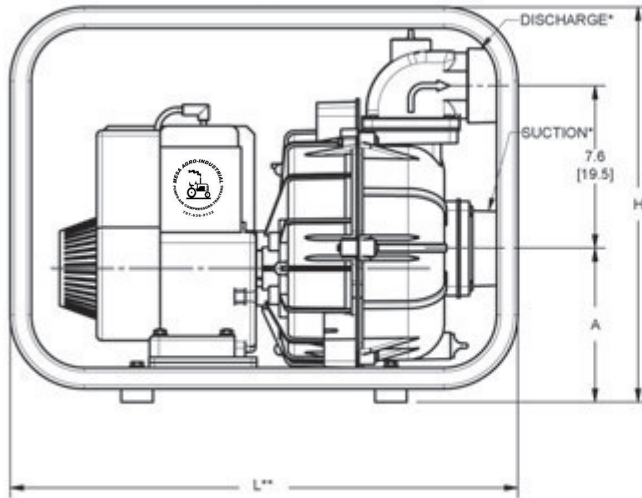
▲ Oil Alert Included

### 5/8 Threaded Kit (Single)

Model	Seal Type & Elastomer/Faces	Mounting	Ship Wt. (Lbs.)
2P5X	EPDM/EPR/CAR/CER	Handle	35

### 2" High Pressure Hose Kit

Model	Ship Wt. (Lbs.)
55-338	40



Model	HP Class ♦	SUC*	DIS*	L**	W**	H
2P5X	5 HP	2	2	24.0 [60.9]	19.2 [48.9]	18.6 [47.3]

Gasoline Models	HP Class ♦	A
2P5X	5 HP	7.4 [18.7]

Diesel Models	HP Class ♦	A
2P5XZR	5 HP	7.9 [20.0]

♦ HP Class represents market category and is not intended to define actual horsepower.

(\*) Standard NPT (Male) pipe thread.

(\*\*) This dimension may vary due to engine manufacturer's specifications.

NOTE: Dimensions are in inches (centimeters) and have a tolerance of ± 1/8".

## Standard Features

- Aluminum Closed Impeller and Cast Iron Volute— Die Cast Aluminum Pump
- Large Pump Casing Increases Capacity
- Built-in Check Valve for Fast Priming
- Removable/Replaceable Cast Iron Suction & Discharge Flanges
- Discharge Port Rotates in 90° Increments
- EPDM/EPR Seal with Carbon and Ceramic Faces with Optional Viton® Seals and Elastomers
- One Tool Serviceability, Tool Included with Engine Driven Models (Not with Kits)
- Choice of Briggs & Stratton, Honda Gasoline or Hatz Diesel Engines
- Includes Strainer and Rubber Foot Mounting
- Maximum Temperature 180° F
- Pedestal Versions Available
- Optional High Pressure Hose Kit and Wheel Kit Available
- QSP – Quick Ship Pumps

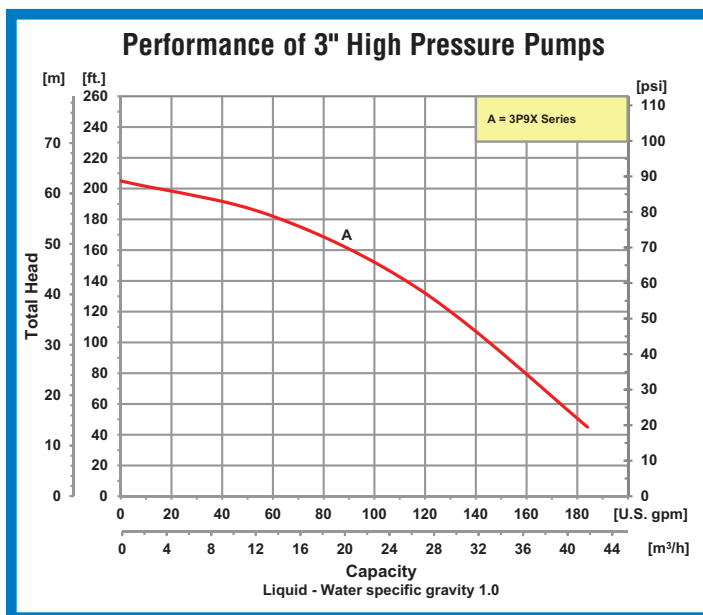
Model 3P9XHR

## 3" Engine Driven Portable High Pressure Pumps

- **Cast Aluminum Construction with Cast Iron Diffusers**
- **EPDM/EPR Mechanical Seals**
- **Optional Viton® Seal and Elastomers Available**
- **3" Cast Iron Suction & Discharge Male NPT Port Sizes**
- **Maximum Flow up to 185 GPM**
- **Maximum Head up to 89 PSI**
- **Maximum Lift to 26 Ft.**
- **One Tool Serviceability**
- **Utilized for Fire Protection or Irrigation**
- **Discharge Port Rotates in 90° Increments**
- **Engine Options: Honda, Briggs & Stratton Gasoline or Hatz Diesel Engines**
- **Optional High Pressure Hose Kit and Wheel Kit Available**



IPT 3" Engine Driven Portable High Pressure pumps are cast aluminum construction with cast iron volute and male NPT ports. Pump applications include fire protection and irrigation. These pumps are available with a wide choice of standard and heavy duty gasoline or diesel fueled engines. These pumps feature high efficiency closed cast aluminum impeller. All models come equipped with EPDM/EPR elastomers and seals. Most models include a heavy duty steel roll frame.



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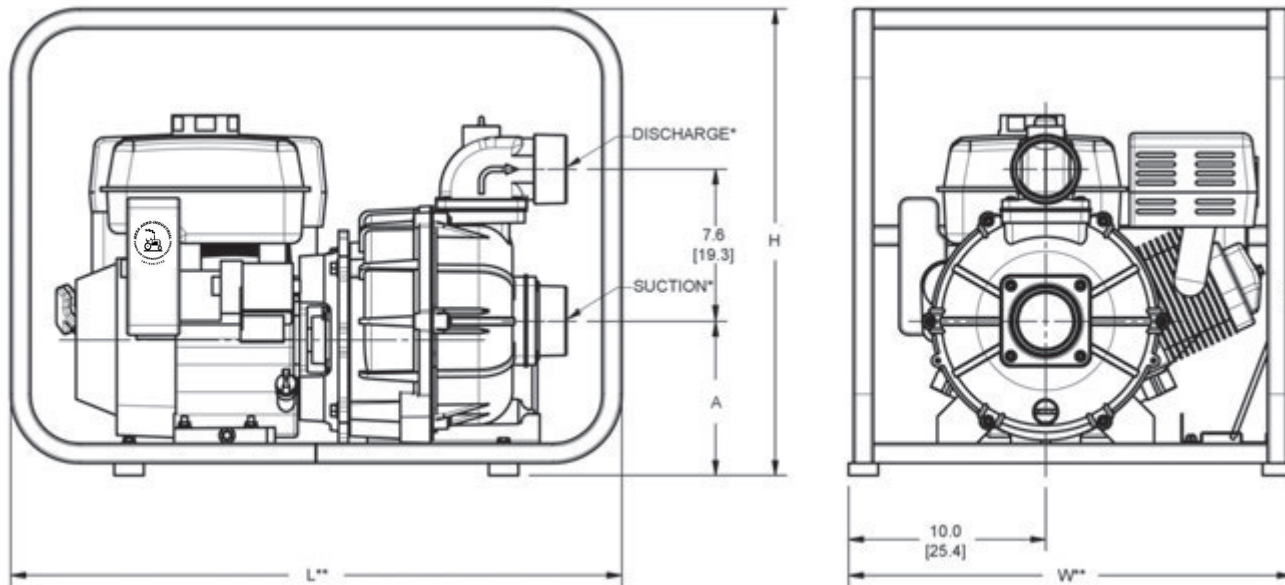
## Pump Dimensional & Specification Data

Model	HP Class ♦	Curve	Port	Driver	Seal	Run Time (Hours)	Tank Size (Gal/Ltr.)	Ship Wt. (Lbs.)
3P9XAR	8 HP	A	3" NPT	B & S Vanguard▲	EPDM/EPR/CAR/CER	1.5	0.95/3.6	145
3P9XHR	8 HP	A	3" NPT	Honda GX270▲	EPDM/EPR/CAR/CER	2.5	1.40/5.2	145
3P9XZR	8 HP	A	3" NPT	Hatz 1B40**▲	EPDM/EPR/CAR/CER	1.9	1.32/5.0	240

**Construction: Cast Aluminum with Cast Iron Components**

++ 12V DC Electric Start (Battery Not Included)

▲ Oil Alert Included



Model	DIS*	SUC*	L**	W**	H
3P9X Series	3	3	31.0 [78.7]	22.5 [57.1]	23.6 [60.0]

Model	A
Gas/Diesel 3P9X	7.8 [19.8]

(\*) Standard NPT (Male) Pipe Thread.

(\*\*) This dimension may vary due to engine manufacturer's specifications.

NOTE: Dimensions are in inches (centimeters) and have a tolerance of  $\pm 1/8"$ .

## Standard Features

- Aluminum Closed Impeller and Cast Iron Volute—Die Cast Aluminum Pump
- Large Pump Casing Increases Capacity
- Built-in Check Valve for Fast Priming
- Removable/Replaceable Cast Iron Suction & Discharge Flanges
- 3" Male NPT Discharge Port Rotates in 90° Increments
- EPDM/EPR Seal with Carbon and Ceramic Faces with Optional Viton® Seals and Elastomers
- One Tool Serviceability, Tool Included with Engine Driven Models (Not with Kits)
- Choice of Briggs & Stratton, Honda Gasoline or Hatz Diesel Engines
- Includes Strainer and Rubber Foot Mounting
- Maximum Temperature 180° F
- Pedestal Versions Available
- Optional High Pressure Hose Kit and Wheel Kit Available
- QSP – Quick Ship Pumps

# Engine Driven Two Stage High Pressure/Fire Pumps

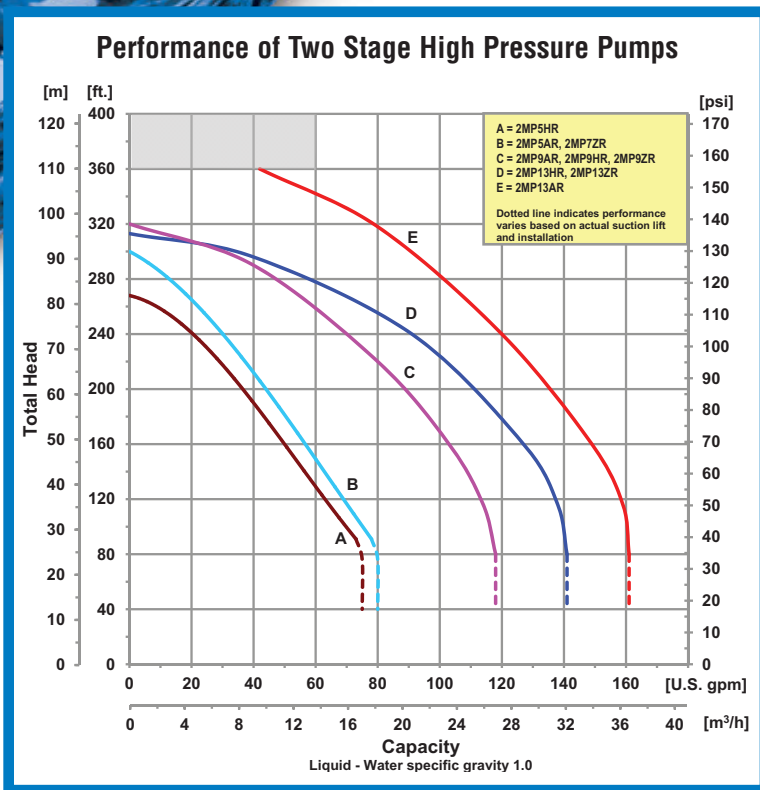
Model 2MP5AR



Close Up View of Optional 1-1/2" MNPT 2MPX-90 Flange Kit



- **Cast Aluminum Construction with Cast Iron Diffusers**
- **High Efficiency Two-Stage Precision Cast Aluminum Impellers**
- **2" NPTM Cast Iron Suction Port**
- **Three-Way Cast Iron Discharge Port**
- **Viton® Mechanical Seal with Silicon Carbide and Carbon Faces**
- **EPDM/EPR O-Rings and Gaskets**
- **Maximum Head up to 155 PSI**
- **Maximum Flow up to 160 GPM**
- **Built-in Flapper/Check Valve Permits Self-priming to 20 Ft.**
- **Heavy Duty Steel Roll Frame Included**
- **Engine Options: Honda, Briggs & Stratton Gasoline or Hatz Diesel**
- **Optional Wheel Kit Available**



The IPT Self-priming Two-stage High Pressure Engine Driven pump includes precision cast high efficiency impellers to maximize performance and pressure. Cast iron diffusers for durability and extended life. Aluminum construction and heavy duty powder coated steel frame allows portability for use in many applications. This pump features cast iron male NPT ports, silicon carbide mechanical seals, EPDM/EPR O-rings and gaskets, built-in flapper/check valve and wrench for easy service of the pump. This unit is ideal for fire protection, emergency fire fighting, washdown and AG/sprinkler applications.

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## Pump Dimensional & Specification Data

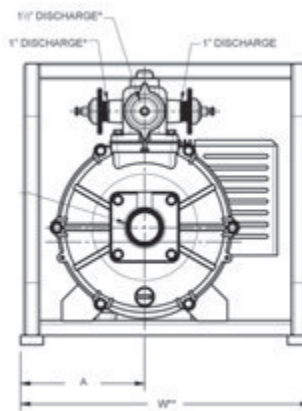
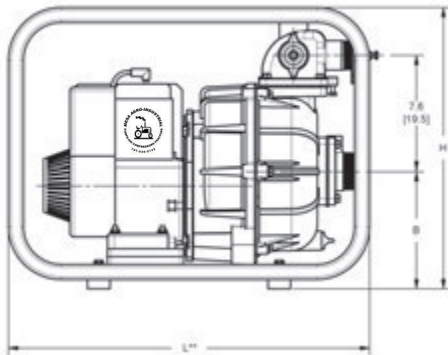
Model	Curve	Driver	Seal Type & Elastomer/Faces	Run Time (Hr.)	Tank Size (Gal/Ltr)	Ship Wt. (Lbs.)
2MP5HR	A	Honda GX160▲	Viton® Silicon Carbide/Carbon & EPDM/EPR O-rings, Gasket & Flapper/Check Valve	2.0	0.82/3.1	110
2MP7ZR	B	Hatz 1B30▲++		2.8	1.32/5.0	190
2MP5AR	B	B & S Vanguard▲		1.3	0.87/3.3	110
2MP9ZR	C	Hatz 1B40▲++		1.9	1.32/5.0	240
2MP9HR	C	Honda GX270▲		2.5	1.40/5.3	145
2MP9AR	C	B & S Vanguard▲		1.5	0.95/3.6	145
2MP13HR	D	Honda GX390▲++		2.5	1.60/6.1	185
2MP13ZR	D	Hatz 1B50▲++		1.8	1.32/5.0	270
2MP13AR	E	B & S Vanguard▲++		1.8	2.25/8.5	175

Construction: Aluminum

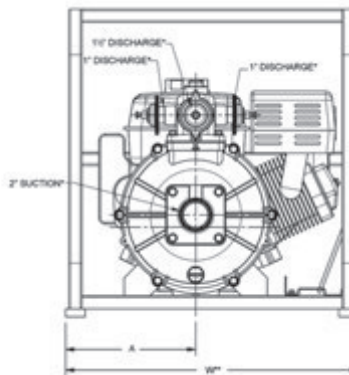
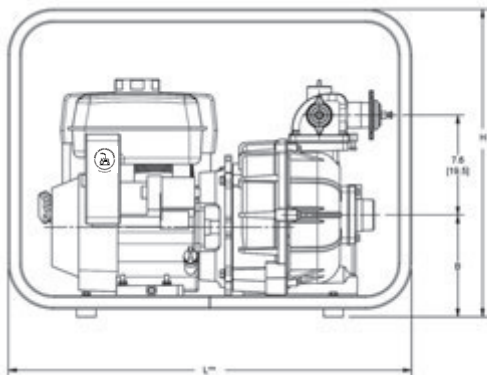
▲ Oil Alert Included

++ Electric Start

### Model 2MP5 Series:



### Model 2MP7/9/13 Series:



## Standard Features

- Cast Aluminum Construction with Cast Iron Diffusers
- High Efficiency Two-Stage Precision Cast Aluminum Impellers
- 2" NPTM Cast Iron Suction Port
- **2MPX-90** - Optional 1-1/2" Suction Port Flange Kit Available
- Three-Way Cast Iron Discharge Port – includes (1) 1-1/2" NPTM & (2) 1" NPTM
- Viton® Mechanical Seal with Silicon Carbide/Carbon Faces
- EPDM/EPR O-rings & Gaskets
- Choice of Briggs & Stratton, Honda Gasoline or Hatz Diesel Engines
- Heavy Duty Steel Roll Frame Included
- Maximum Head up to 155 PSI
- Maximum Temperature 200° F
- Maximum Flow up to 160 GPM
- Optional High Pressure Hose or Wheel Kit Available, See Accessories Pages for More Information
- **Models 2MP9/2MP13 meet or exceeds US Coast Guard Fire Pump Performance Requirement** as specified by 46 CFR 27.301 (Jan 1, 2004 Revision)

Model	HP Class ♦	SUC*	DIS*	A	B	L**	W**	H
2MP5HR	5 HP	2	3-Way	8.2 [21.0]	7.7 [19.7]	24.0 [60.9]	19.2 [48.7]	18.6 [47.2]
2MP7ZR	7 HP	2	3-Way	8.2 [21.0]	11.6 [29.4]	24.0 [60.9]	19.2 [48.7]	18.6 [47.2]
2MP5AR	5 HP	2	3-Way	8.2 [21.0]	7.7 [19.7]	24.0 [60.9]	19.2 [48.7]	18.6 [47.2]
2MP9ZR	9 HP	2	3-Way	8.6 [22.0]	11.4 [29.2]	31.0 [78.7]	22.5 [57.1]	23.6 [60.0]
2MP9HR	9 HP	2	3-Way	7.8 [19.9]	10.0 [25.4]	31.0 [78.7]	22.5 [57.1]	23.6 [60.0]
2MP9AR	9 HP	2	3-Way	7.8 [19.9]	10.0 [25.4]	31.0 [78.7]	22.5 [57.1]	23.6 [60.0]
2MP13HR	13 HP	2	3-Way	7.8 [19.9]	10.0 [25.4]	31.0 [78.7]	22.5 [57.1]	23.6 [60.0]
2MP13ZR	13 HP	2	3-Way	7.8 [19.9]	10.0 [25.4]	31.0 [78.7]	22.5 [57.1]	23.6 [60.0]
2MP13AR	13 HP	2	3-Way	7.8 [19.9]	10.0 [25.4]	31.0 [78.7]	22.5 [57.1]	23.6 [60.0]

(♦) HP Class represents market category and is not intended to define actual horsepower.

(\*) Standard NPT (Male) pipe thread.

(\*\*) This dimension may vary due to engine manufacturer's specifications.

NOTE: Dimensions are in inches (centimeters) and have a tolerance of ± 1/8".



## 2-1/2" Engine Driven High Pressure/Fire Pumps



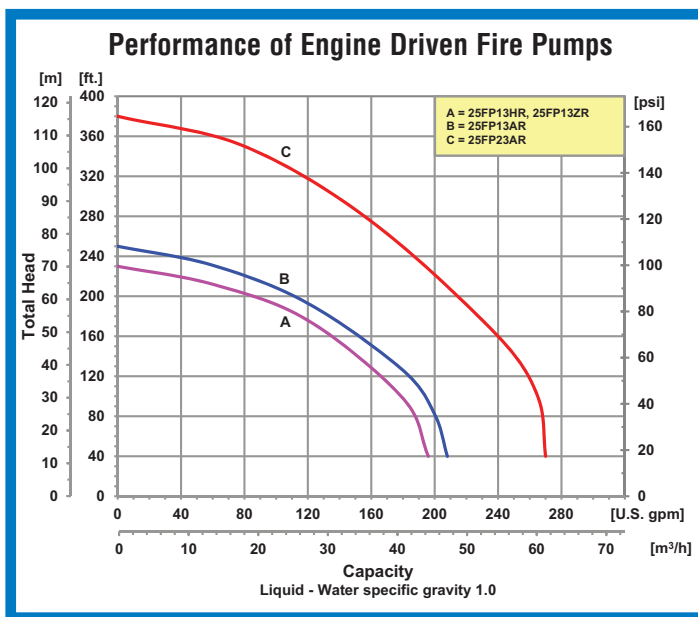
Model 25FP13HR



Model 25FP23AR

- **Aluminum Construction with Replaceable Hard Coat Anodized Wear Ring**
- **Viton® Mechanical Seal with Silicon Carbide & Carbon Faces**
- **2-1/2" NPT Port Sizes**
- **Exhaust Prime or Hand Prime Depending on Model**
- **Prime Assist to 19 Ft.**
- **Built-in Discharge Check Valve**
- **Discharge Pressure Gauge Included**
- **Suction Strainer, Nipples and Heavy Duty Steel Roll Frame with Battery Tray Included**
- **Maximum Head up to 165 PSI/ 380' TDH**
- **Delivers to 270 GPM**
- **Available with B&S Vanguard, Honda Gasoline or Hatz Diesel with 12 Volt DC Electric Start**
- **Optional NPT to Fire Hose Thread Available – See Accessories Page**
- **Optional Wheel Kit Available**

The IPT Engine Driven line of High Pressure/Fire pumps deliver excellent pressure and flow for use in many applications including: fire protection, emergency fire fighting, washdown and AG/Sprinkler. Portable units feature metal fuel tanks installed on engine or frame depending on model. 12 Volt DC electric start engines with recoil starter from Briggs & Stratton Vanguard, Honda Gasoline or Hatz Diesel engines are standard on these pumps. Vanguard models feature built-in exhaust prime. Honda and Yanmar models feature a manual hand prime. These pumps are equipped with Viton® Silicon Carbide/Carbon seal and Viton® O-rings/gaskets.



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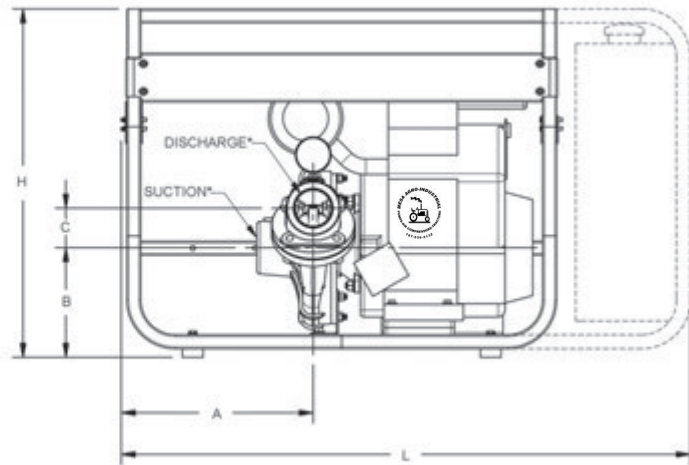
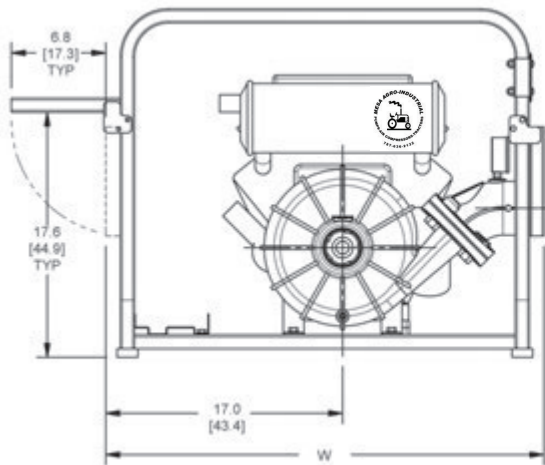
## Pump Dimensional & Specification Data

Model	Curve	Driver	Seal Type & Elastomer/Faces	Prime Feature	Tank Size (Gal/Ltr)	Run Time (Hr.)	Ship Wt. (Lbs.)
25FP13ZR	A	Hatz 1B50 <sup>▲++</sup>	Viton® Silicon Carbide/Carbon	Hand	1.32/5.0	1.8	295
25FP13HR	A	Honda GX390 <sup>▲++</sup>	Viton® Silicon Carbide/Carbon	Hand	1.6 / 6.1	2.5	200
25FP13AR	B	B & S Vanguard 13 HP <sup>▲++</sup>	Viton® Silicon Carbide/Carbon	Exhaust	2.25/8.5	1.8	225
25FP23AR	C	B & S Vanguard 23 HP <sup>▲++</sup>	Viton® Silicon Carbide/Carbon	Exhaust	10/37.8	7.0	255

**Construction: Aluminum**

▲ Oil Alert Included

++ Electric Start



**Hand Primer Not Shown for Model 25FP13HR**

Model	HP Class ♦	SUC*	DIS*	A	B	C	L	W	H
25FP13ZR	13 HP	2-1/2	2-1/2	13.3 [33.7]	8.1 [20.6]	4.6 [11.7]	31.8 [80.8]	31.6 [80.3]	25.1 [63.8]
25FP13HR	13 HP	2-1/2	2-1/2	13.3 [33.7]	6.8 [17.4]	4.6 [11.7]	31.8 [80.8]	31.6 [80.3]	25.1 [63.8]
25FP13AR	13 HP	2-1/2	2-1/2	13.3 [33.7]	6.8 [17.4]	4.6 [11.7]	31.8 [80.8]	31.6 [80.3]	25.1 [63.8]
25FP23AR†	23 HP	2-1/2	2-1/2	13.8 [35.2]	7.9 [20.1]	2.8 [7.2]	41.0 [104.3]	31.6 [80.3]	25.1 [63.8]

♦ HP Class represents market category and is not intended to define actual horsepower.

(\*) Standard NPT (Male) pipe thread.

NOTE: Dimensions are in inches (centimeters) and have a tolerance of ± 1/8".

(†) Minimal Assembly Required: Auxiliary Fuel Tank Shipped Uninstalled

## Standard Features

- Aluminum Construction with Replaceable Hard Coat Anodized Wear Ring
- Viton® Mechanical Seal with Silicon Carbide & Carbon Faces
- 2-1/2" NPT Suction & Discharge Ports
- Exhaust Prime or Hand Prime Depending on Model
- Built-in Discharge Check Valve
- Discharge Pressure Gauge Included
- Choice of Briggs & Stratton Vanguard, Honda Gasoline or Hatz Diesel Engines with 12 Volt DC Electric Start
- Maximum Temperature 200° F
- Optional NPT to Fire Hose Thread Available – See Accessories Page
- Heavy Duty Steel Roll Frame with Battery Tray Included
- Optional High Pressure Hose Kit or Wheel Kit Available