

PTV101 PTX Series

201/301/401/201H
201ST/301ST
201T/301T
201D/301D



FUJI HEAVY INDUSTRIES LTD.

That's Extreme!

EX the Extreme Engines

EX engines are superior to engines in the same class.



Extremely Silent - Soft Tone Quality

2dBA quieter and softer in tone than other engines in the same class.

Extremely Easy Start - No Kick-back

Reliable Starting and Less Pulling Force are achieved by:

- Sophisticated Mechanical Compression System
- EX engines start instantly even at minus (-) 10 °C, without any perceptible kick-back

Extremely Advanced Technology

Extreme Reliability and Durability are achieved by:

- Employment of Heavy Duty Chain Driven OHC system
- Completely new design for Main Bearing Cover
- Superior cooling and lubrication system
- Large Ball Bearing on both ends of crankshaft
- Cast Iron Cylinder Liner resist wear

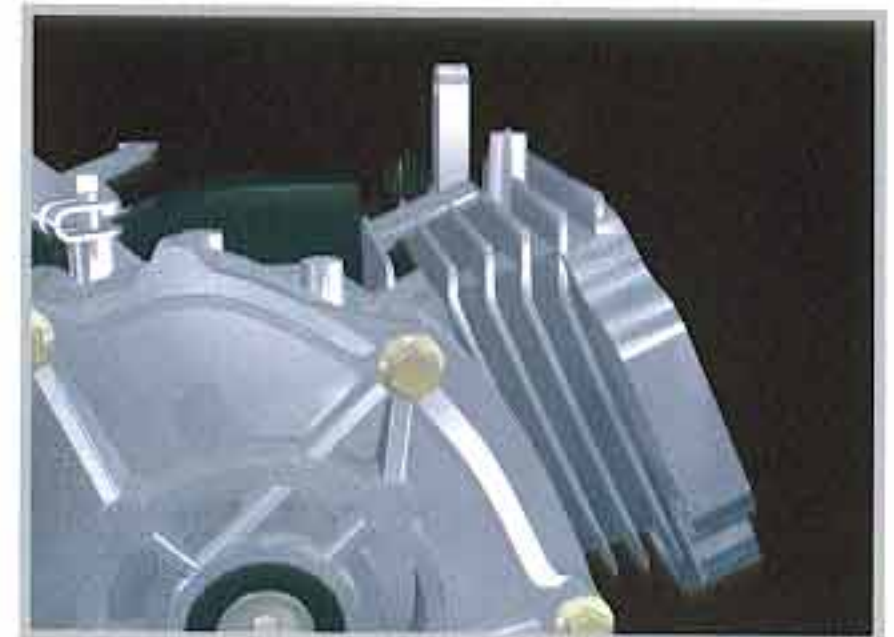
Extreme Power and Performance

Extremely Higher Power and Lower Fuel Consumption are realized by:

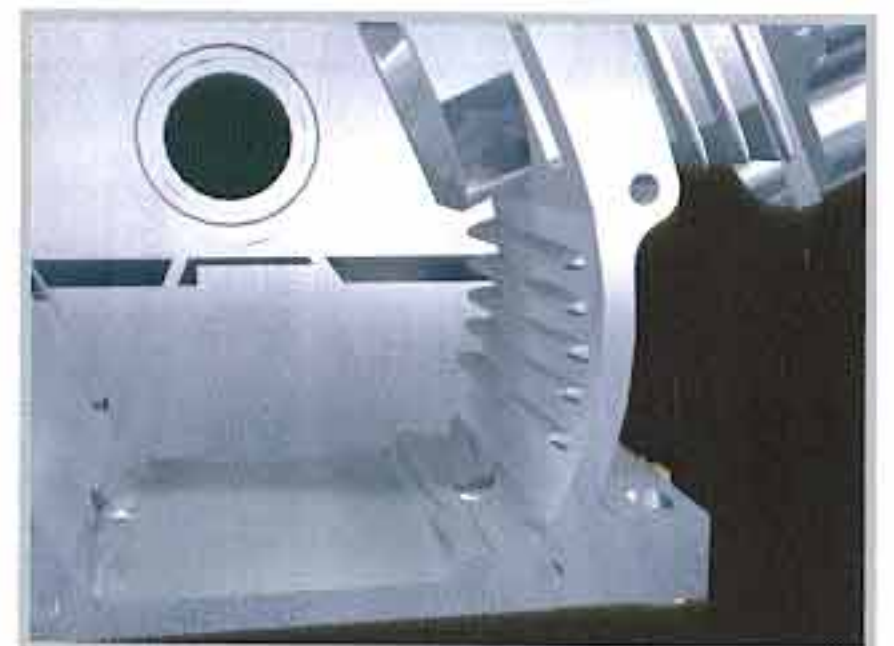
- High speed and homogeneous combustion achieved by sophisticated Pentroof Combustion Chamber with the Intake and Exhaust Valves located at optimum angle.
- Straight Intake Port with minimal air flow resistance

Environmentally Friendly

Comply with **EPA phase 2 and CARB Tier II** Emission Regulations in the USA



Slant Cooling Fins on Cylinder



Cooling Fins inside Crankcase



Lubrication System



Combustion Chamber

SELF PRIMING WATER PUMP

PTV101 PTX201/301/401

- SELF-PRIMING PUMP requires no water for subsequent pumping operation once initial pumping is done, and the pumping capacity is large.
- EFFICIENT, ECONOMICAL OPERATION is assured by directly coupled pump. It provides compactness and guarantees that power is not lost.
- WATER-RESISTING QUALITIES are prominent by adopting the mechanical seal made of ceramic-carbon, and the impellers made of special cast iron.
- HIGHLY ADVANCED ROBIN EX GASOLINE ENGINES, which ensure powerful and durable operation as well as easy maintenance and trouble-free operation.



PTV101



PTX201

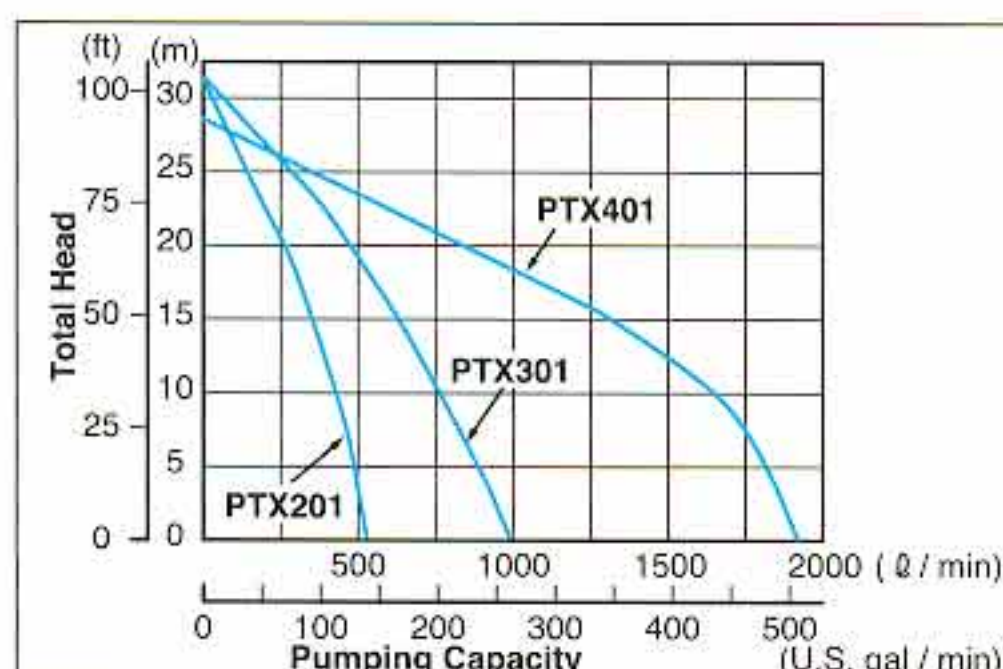
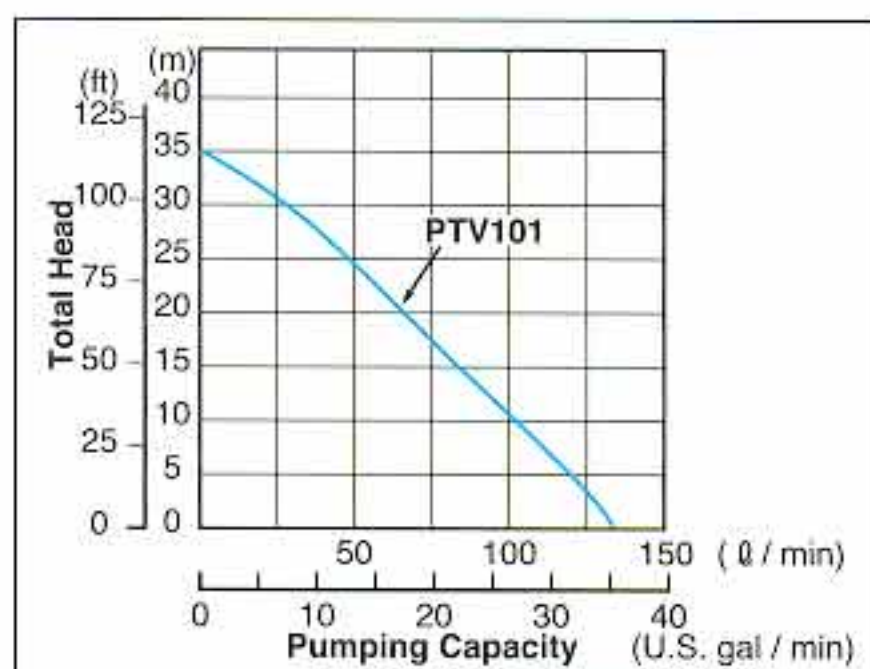


PTX301



PTX401

PERFORMANCE CURVE



STANDARD ACCESSORIES



PTV101/PTX201/PTX201H

The above picture shows typical samples. Material and design may vary by models.

SPECIFICATIONS

| Model | | PTV101 | PTX201 | PTX301 | PTX401 |
|-------------------------------|---|---|------------------------------|------------------------------|------------------------------|
| PUMP | Type | Self-priming, Centrifugal | | | |
| | Suction×Delivery Diameters (mm) [in.] | 25.4×25.4 [1×1] | 50.8×50.8 [2×2] | 76.2×76.2 [3×3] | 101.6×101.6 [4×4] |
| | Total Head (m) [ft] | 35 [115] | 32 [105] | 32 [105] | 28 [92] |
| | Maximum Delivery Volume (L/min) [U.S.gal/min] | 130 [34] | 520 [137] | 1000 [264] | 1800 [476] |
| | Suction Head (m) [ft] | 8 [26] | | | |
| | Axle Seal Material (Mechanical Seal) | Ceramic-carbon | | | |
| ENGINE | Model | EH025 | EX13 | EX17 | EX27 |
| | Type | Air-cooled, 4-stroke, OHV Gasoline engine | | | |
| | Fuel | Automotive Unleaded Gasoline | | | |
| | Fuel Tank Capacity (L) [U.S.gal.] | 0.5 [0.13] | 2.7 [0.7] | 3.6 [0.95] | 6.1 [1.6] |
| | Starting System | Recoil Starter | | | |
| Dimensions (L×W×H) (mm) [in.] | | 331×213×345 [13.0×8.4×13.6] | 470×344×414 [18.5×13.5×16.3] | 527×368×417 [20.7×14.5×16.4] | 610×425×565 [24.0×16.7×22.2] |
| Dry Weight (kg) [lb.] | | 5.8 [12.8] | 24.9 [54.9] | 27.6 [60.8] | 44.5 [98.1] |
| Standard Accessories | | Engine Tool Kit (1set), Strainer (1pc.), Hose Coupling (2pcs.), Hose Band (3pcs.) | | | |

Specifications are subject to change without notice.

SELF PRIMING HIGH HEAD PUMP PTX201H

- HIGH HEAD, HIGH PRESSURE**
Suitable for Sprinkler, Water-transfer to high place and Fire-fighting support works.
- EFFICIENT, ECONOMICAL OPERATION** is assured by directly coupled pump. It provides compactness and no loss of power.
- HIGHLY ADVANCED ROBIN EX GASOLINE ENGINE**, which ensure powerful and durable operation as well as easy maintenance and trouble-free operation.



PTX201H



PTX201ST

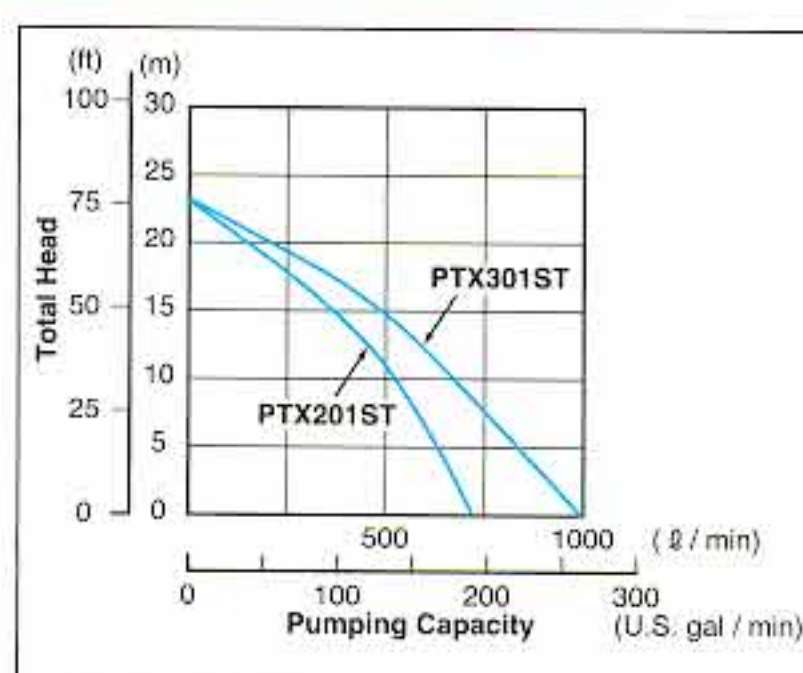
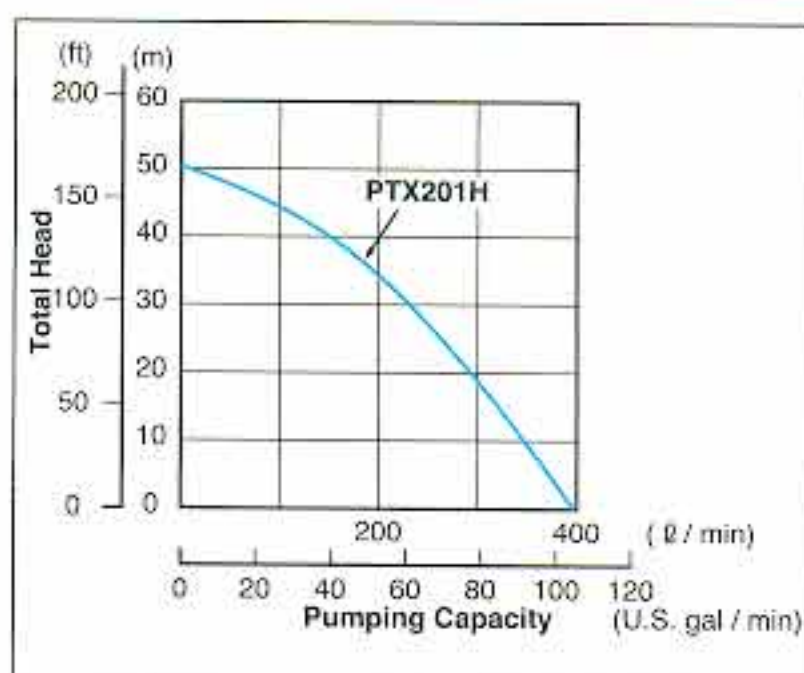


PTX301ST

SELF PRIMING SEMI TRASH PUMP PTX201ST/301ST

- SEMI TRASH PUMPS** are designed for MIDDLE/HEAVY-DUTY applications where light debris prevents the use of standard water pumps.
- DURABLE AND TOUGH CONSTRUCTION**
MECHANICAL SEAL is made of Silicon-Carbide. IMPELLER and INNER CASING are made of harder cast Iron for heavy-duty applications. PUMP CASING is made of die-cast aluminum.
- SELF-PRIMING PUMP** requires no water for subsequent pumping operation once initial pumping is done, and the delivery volume is extraordinarily large.

PERFORMANCE CURVE



STANDARD ACCESSORIES



PTX201ST/PTX301ST

The above picture shows typical samples. Material and design may vary by models.

SPECIFICATIONS

| Model | | PTX201H | PTX201ST | PTX301ST |
|--------------------------------------|---|---|------------------------------|------------------------------|
| PUMP | Type | Self-priming, Centrifugal, High Head | | |
| | Suction×Delivery Diameters (mm) [in.] | 50.8×50.8 [2×2] | 50.8×50.8 [2×2] | 76.2×76.2 [3×3] |
| | Total Head (m) [ft] | 50 [164] | 23 [75] | 23 [75] |
| | Maximum Delivery Volume (L/min) [U.S.gal/min] | 400 [106] | 700 [185] | 1000 [264] |
| | Suction Head (m) [ft] | 8 [26] | | |
| Axle Seal Material (Mechanical Seal) | | Ceramic-carbon | | Silicon-carbide |
| ENGINE | Model | EX17 | EX13 | EX17 |
| | Type | Air-cooled, 4-stroke, OHC Gasoline engine | | |
| | Fuel | Automotive Unleaded Gasoline | | |
| | Fuel Tank Capacity (L) [U.S.gal.] | 3.6 [0.95] | 2.7 [0.7] | 3.6 [0.95] |
| | Starting System | Recoil Starter | | |
| Dimensions (L×W×H) (mm) [in.] | | 539×368×455 [21.2×14.5×17.9] | 470×344×414 [18.5×13.5×16.3] | 527×368×417 [20.7×14.5×16.4] |
| Dry Weight (kg) [lb.] | | 27 [59.5] | 24.9 [54.9] | 27.6 [60.8] |
| Standard Accessories | | Engine Tool Kit (1set), Strainer (1pc.), Hose Coupling (2pcs.), Hose Band (3pcs.) | | |

Specifications are subject to change without notice.

SELF PRIMING TRASH PUMP PTX201T/301T

■ TRASH PUMPS are specially designed for HEAVY-DUTY USE such as CONSTRUCTION SITES. They are capable of sucking solid debris up to 31 mm in diameter with 3" pump, and 20 mm diameter debris with 2" pump.

■ TOUGH AND POWERFUL PUMP

MECHANICAL SEAL is made of Silicon-Carbide, which vastly increases the durability of mechanical seal. IMPELLER is made from Hi-chrome cast iron. INNER CASING is made of cast-iron with stainless steel liner, which ensures long life and low maintenance. PUMP CASING and FRONT COVER are made of cast aluminum.

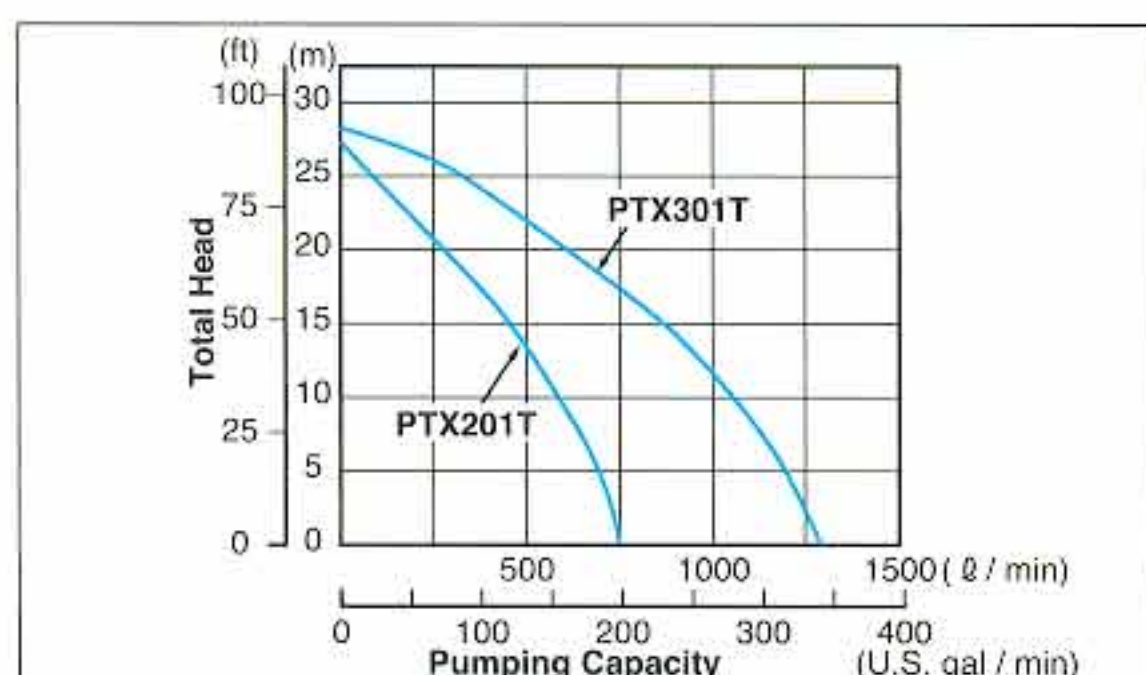


PTX201T



PTX301T

PERFORMANCE CURVE



STANDARD ACCESSORIES



PTX201T/PTX301T

The above picture shows typical samples. Material and design may vary by models.

■ SPECIFICATIONS

| Model | | PTX201T | PTX301T |
|-------------------------------|---|---|---------------------------------|
| PUMP | Type | Self-priming, Centrifugal, Trash | |
| | Suction×Delivery Diameters (mm) [in.] | 50.8×50.8 [2×2] | 76.2×76.2 [3×3] |
| | Total Head (m) [ft] | 27 [89] | 28 [92] |
| | Maximum Delivery Volume (L/min) [U.S.gal/min] | 750 [198] | 1300 [343] |
| | Suction Head (m) [ft] | 8 [26] | |
| | Axle Seal Material (Mechanical Seal) | Silicon-carbide | |
| ENGINE | Model | EX17 | EX27 |
| | Type | Air-cooled, 4-stroke, OHC Gasoline engine | |
| | Fuel | Automotive Unleaded Gasoline | |
| | Fuel Tank Capacity (L) [U.S.gal.] | 3.6 [0.95] | 6.1 [1.6] |
| | Starting System | Recoil Starter | |
| Dimensions (L×W×H) (mm) [in.] | | 570×436×397 [22.4×17.2×15.6] | 672×484×610 [26.5×19.1×24.0] |
| Dry Weight (kg) [lb.] | | 34.5 [76.1] | 48.5 [106.9] |
| Standard Accessories | | Engine Tool Kit (1set), Strainer (1pc.), Hose Coupling (2pcs.), Hose Band (3pcs.) | |

Specifications are subject to change without notice.

SELF PRIMING DIAPHRAGM PUMP PTX201D/301D

COMPACT DESIGN & LIGHT WEIGHT

Pump housing and gear casing are made of heavy-duty die-cast aluminum, to keep weight down for easy transport between job sites.

EASY MAINTENANCE

Rubber diaphragm and check valve are replaceable easily and instantly.

The gear unit does not require maintenance, because it is well greased before delivery.

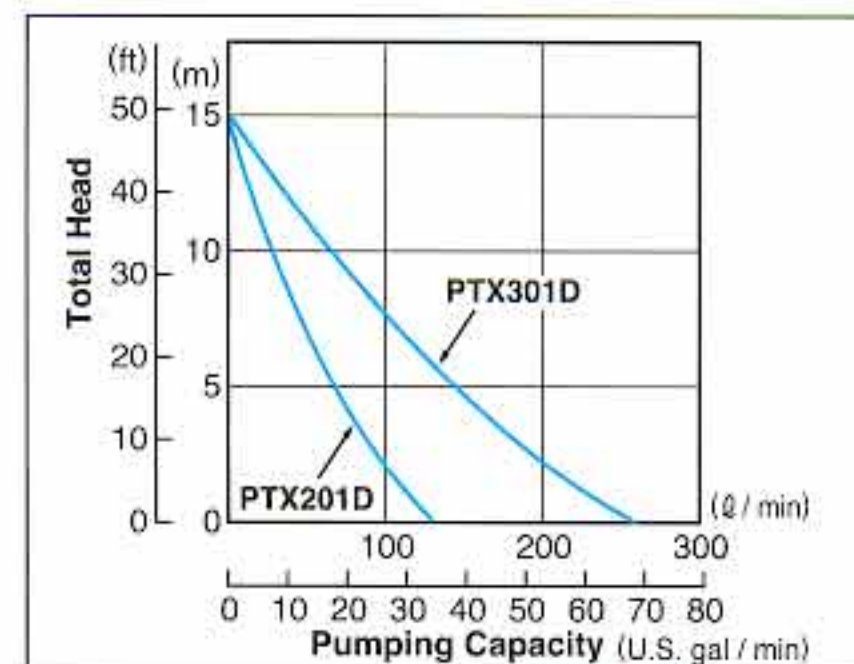


PTX201D



PTX301D

PERFORMANCE CURVE



STANDARD ACCESSORIES



The above picture shows typical samples. Material and design may vary by models.

SPECIFICATIONS

| Model | | PTX201D | PTX301D |
|-------------------------------|---|---|---------------------------------|
| PUMP | Type | Self-priming, Diaphragm | |
| | Suction×Delivery Diameters (mm) [in.] | 50.8×50.8 [2×2] | 76.2×76.2 [3×3] |
| | Total Head (m) [ft] | 15 [49] | 15 [49] |
| | Maximum Delivery Volume (L/min) [U.S.gal/min] | 125 [33] | 250 [66] |
| | Suction Head (m) [ft] | 7.6 [25] | |
| | Axle Seal Material (Mechanical Seal) | — | |
| ENGINE | Model | EX13 | EX17 |
| | Type | Air-cooled, 4-stroke, OHC Gasoline engine | |
| | Fuel | Automotive Unleaded Gasoline | |
| | Fuel Tank Capacity (L) [U.S.gal.] | 2.7 [0.7] | 3.6 [0.95] |
| | Starting System | Recoil Starter | |
| Dimensions (L×W×H) (mm) [in.] | | 614×370×510 [24.2×14.6×20.1] | 660×420×510 [26.0×16.5×20.1] |
| Dry Weight (kg) [lb.] | | 38 [83.8] | 45 [99.2] |
| Standard Accessories | | Engine Tool Kit (1set), Strainer (1pc.), Hose Coupling (2pcs.), Hose Band (3pcs.) | |

Specifications are subject to change without notice.



SUBARU

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