SUBMITTAL DATA SHEET

Dewatering Pumps

Electric & DC Powered | Engine Driven

2” & 3” Engine Driven | Trash Pump

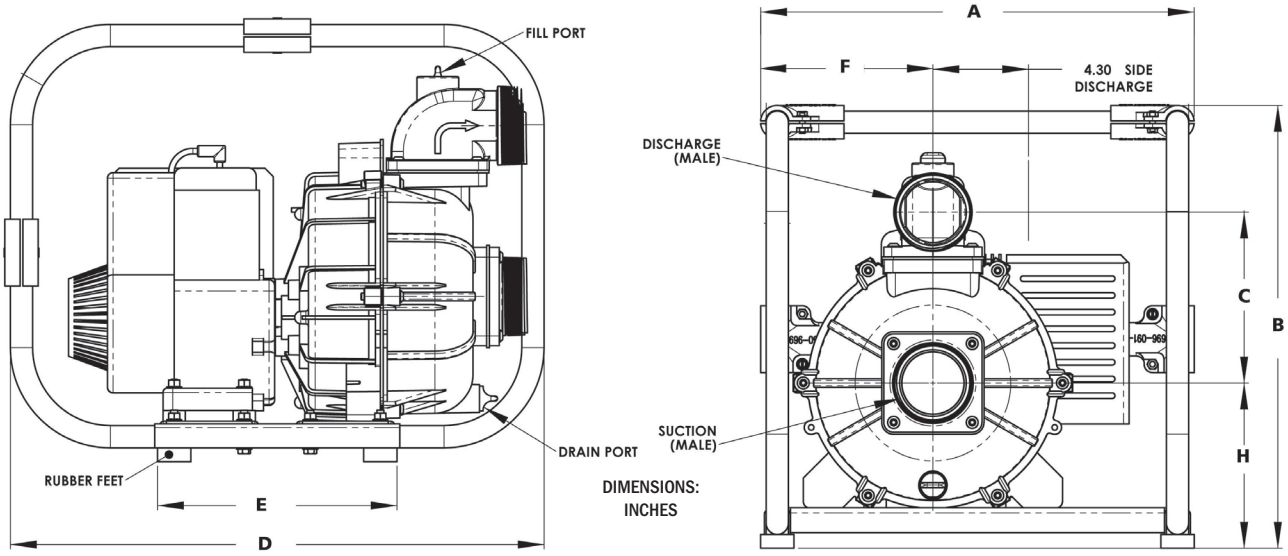


Model 03S5XHR

A.Y. McDonald high-volume self-priming centrifugal trash pumps come standard with a ductile iron impeller to resist abrasion and one tool serviceability for cleanout. All pumps feature aluminum housing, cast iron wear parts, built-in check valve, suction strainer and heavy duty steel frame. Standard flanges with male NPT threads. A.Y. McDonald engine driven trash pumps are reliable, cost effective, and low maintenance.

Applications

Dewatering and trash applications with solids handling capability. For use with non-flammable liquids which are compatible with pump component materials.



Dimensions

Model	A	B	C	D	E	F	Disch*	Suct*
02S5X	19.50	19.9	7.7	24	10.8	7.5	2.00	2.00
03S5X	19.50	19.9	7.7	24	10.8	7.5	3.00	3.00

(*) Standard NPT (male) pipe thread.

Gas Engine Driven Pumps	
Model - Gas	“H”
02S5XR	7.4

Diesel Engine Driven Pumps	
Model - Diesel	“H”
02S5XZR	7.9

SUBMITTAL INFORMATION

- Cast aluminum with cast iron wear parts
- Available with Briggs & Straton, Honda gasoline or Hatz diesel engines
- Removable suction and discharge port sizes 2” and 3”
- Discharge port rotates 90° increments
- Maximum flow: 200 to 300 GPM
- Maximum head: 105’ to 115’
- Maximum lift up to 26’
- Solids handling up to 1 1/4” diameter
- Silicon-carbide seal with dry run survivability / Viton® mechanical seal
- Easy clean out with one tool serviceability
- Optional Viton® elastomers
- Optional wheel kit
- Maximum temperature 180°F

NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.

EST. 1856 McDonald

A.Y. McDonald Mfg. Co.
P.O. Box 508
Dubuque, IA 52004-0508

Toll Free: 1-800-292-2737
Fax: 1-800-832-9296
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A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

Submitted by:

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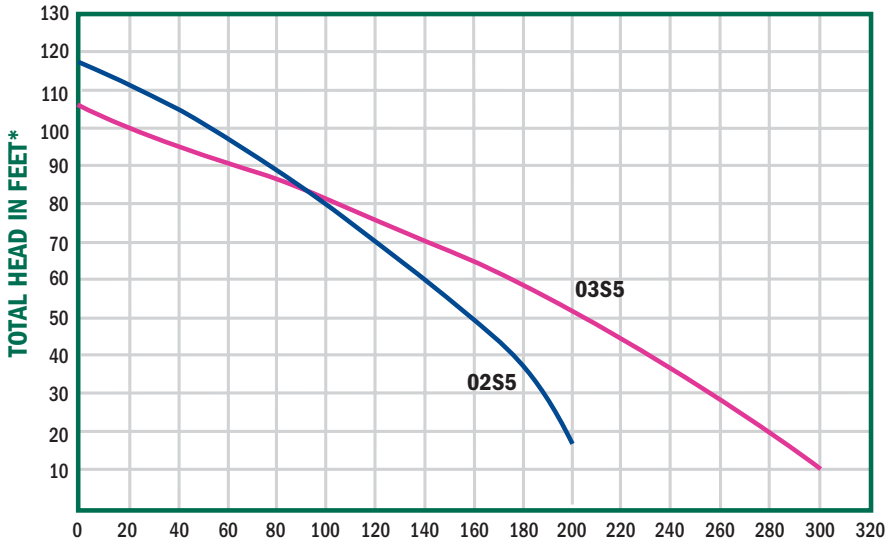

CAPACITY IN US GALLONS PER MINUTE

*CONVERT TO PSI, DIVIDE BY 2.31 | LIQUID WATER SPECIFIC GRAVITY 1.0

2” Trash Pump

Model #	Ship WT. (lbs.)	Driver Type & HP	Shaft Seal	Tank Size (Qts.)	Run Time	Mounting
02S5XAR	87	B&S CP650 6.5 HP	Viton®*/Sic/Sic**	3	100 min.	Roll Cage
02S5XHR	91	Honda GX160 5.5 HP	Viton®*/Sic/Sic**	3.8	100 min.	Roll Cage
02S5XZR	112	Hatz Diesel 4.8 HP	Viton®*/Sic/Sic**	2.6	110 min.	Roll Cage

Solids Handling - 1” diameter

3” Trash Pump

Model #	Ship WT. (lbs.)	Driver Type & HP	Shaft Seal	Tank Size (Qts.)	Run Time	Mounting
03S5XAR	96	B&S CP650 6.5 HP	Viton®*/Sic/Sic**	3	100 min.	Roll Cage
03S5XHR	100	Honda GX160 5.5 HP	Viton®*/Sic/Sic**	3.8	100 min.	Roll Cage
03S5XZR	121	Hatz Diesel 4.8 HP	Viton®*/Sic/Sic**	2.6	110 min.	Roll Cage

Solids Handling - 1 1/4” diameter

WARNING: Do not use in explosive atmosphere or for pumping volatile flammable liquids.

*Viton® is a registered trademarks of DuPont.

**SIC = Silicon Carbide

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