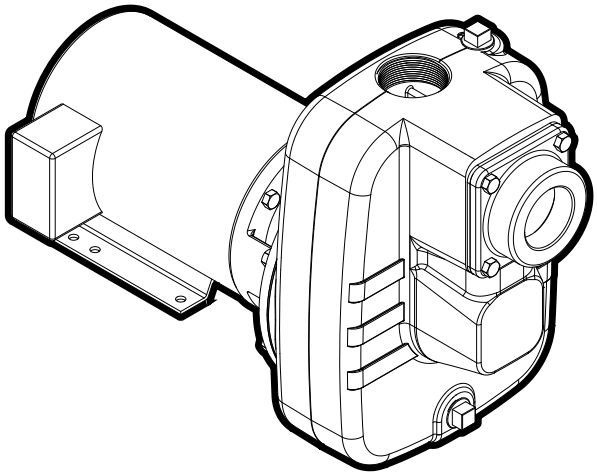
Self-Priming Turf Boss 3 - 5 hp

BOOK: SPC-010
DATE: Feb 1, 2010



Specifications:

Capacities: to 160 gpm

Heads: to 170 feet

Working Pressure: 75 psi max

Temperature: 120 °F max

Rotation: clockwise viewed from motor end

Pipe Connections: NPT

HP	Discharge	Suction
3	2"	2"
5	2"	2-1/2"

Features:

- Built-in suction check valve facilitates priming and prevents back flow or siphoning.
- Impellers are cast iron, combining efficient operation with durable construction to allow for use in a broad range of pumping applications.
- The mechanical seal is self-lubricating and self-adjusting for longer wear, requiring practically no maintenance.
- The cast iron diffuser is built in all models, improving pump efficiency.
- Standard JM Frame Motors.

Applications:

- Irrigation
- Construction
- Commercial
- Municipal
- Light Industrial
- Residential
- Water Transfer

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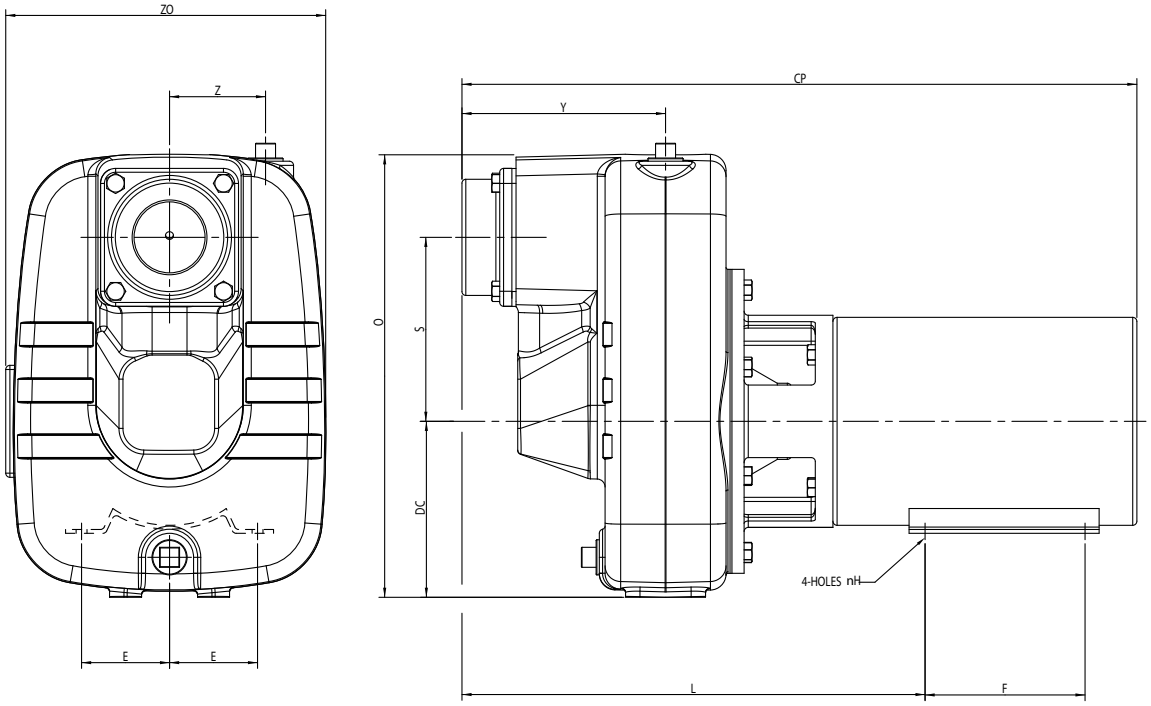
Dimensional Drawings:



Dimensions:

Model	Suction	Discharge	CP	D	DC	E	F	H	L	O	S	Y	Z	ZO
FTB3CI	2	2	23.25	4.50	5.00	3.75	5.00	.44	14.75	13.25	6.00	6.38	3.00	9.75
FTB3CI-3	2	2	23.75	3.50	5.56	2.75	5.00	.38	14.50	12.0	6.00	6.38	3.00	9.75
FTB5CI	2 1/2	2	23.38	4.50	5.56	3.75	5.00	.40	15.12	13.88	5.75	6.38	3.00	9.75
FTB5CI-3	2 1/2	2	23.38	4.50	5.56	3.75	5.00	.40	15.12	13.88	5.75	6.38	3.00	9.75

Note: Dimensions are for estimating purposes only. Certified dimension drawings are available on request. All dimensions in inches.

Ordering Information:

Model	HP	Suction/Discharge	Phase	SF	Pump Unit	
					Order No.	Wt.
FTB3CI	3	2" x 2"	1	1.15	92980030	134
FTB3CI-3	3	2" x 2"	3	1.15	92980035	110
FTB5CI	5	2-1/2" x 2"	1	1.15	92980050	140
FTB5CI-3	5	2-1/2" x 2"	3	1.15	92980055	130

Pump End Kits:

Model	HP	Suction/Discharge	Pump Unit	
			Order No.	Wt.
FTB3CI-PE	3	2" x 2"	92980033	60
FTB5CI-PE	5	2-1/2" x 2"	92980053	60

Notes: All dimensions in inches. All weight in pounds.

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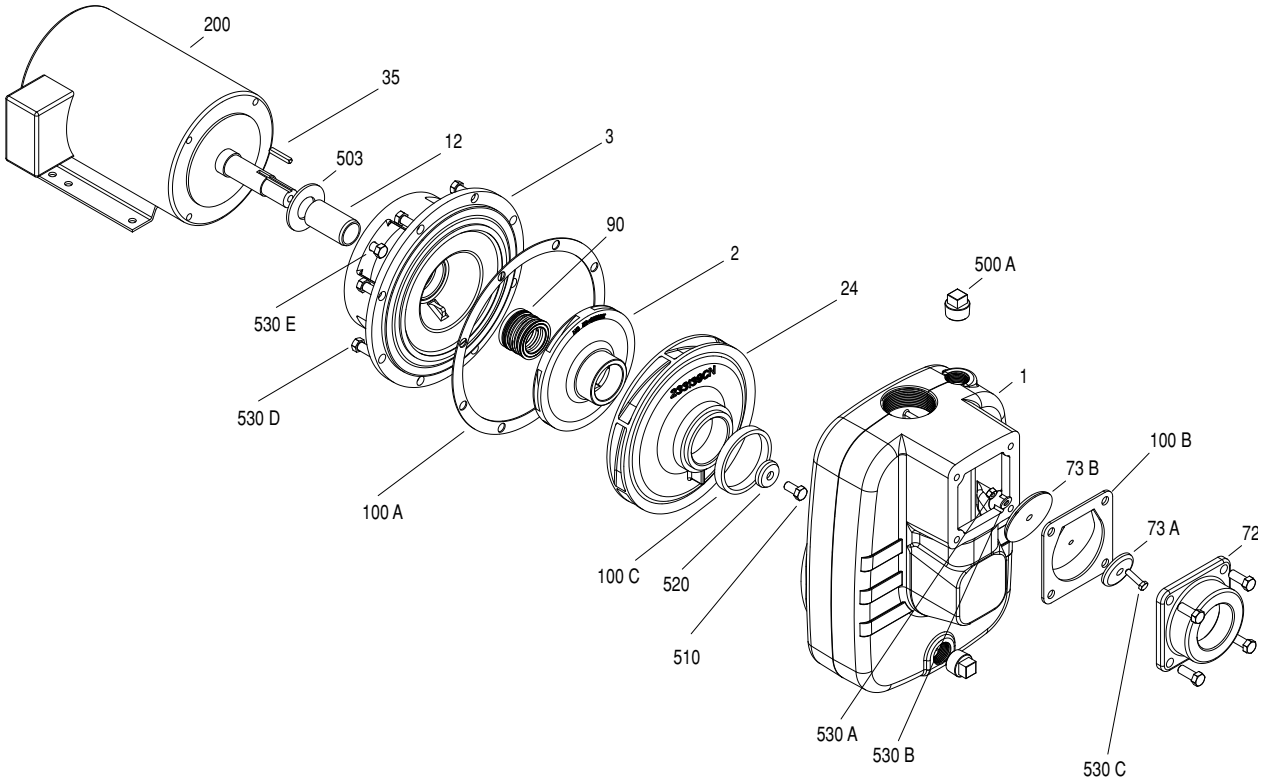
Exploded Parts Drawing:



Materials and Parts:

PARTS FOR TURF BOSS 3-5 HP				
Figure No.	Part Description	Part No.		Materials of Construction
		3 HP	5 HP	
1	Pump Case	305461011		Cast Iron, ASTM-A48 CL30
2	Impeller	305453025	305453026	Cast Iron, ASTM-A48 CL30
3	Motor Adapter	305461012		Cast Iron, ASTM-A48 CL30
12	Mech Seal Shaft Sleeve	305458011		416 Stainless Steel
35	Shaft Key	305453028	305453029	416 Stainless Steel
72	Check Valve	305455010	305460016	Cast Iron, ASTM-A48 CL30
73A	Top Weight - Check Valve	305455011		Cast Iron, ASTM-A48 CL30
73B	Bottom Weight - Check Valve	305455012		Cast Iron, ASTM-A48 CL30
74	Diffuser	305460017		Cast Iron, ASTM-A48 CL30
90	Mechanical Shaft Seal	305463087		CARB/CER x VITON-SS
100A	Case O-Ring / Gasket	305461013		Nitrile
100B	Flapper Valve	305454043		Neoprene
100C	Square-Ring - Volute	305463131		Nitrile
200	Motor	See Motor section		Misc.
500	Pipe Plug 3/4" (2 Req)	305463050		Cad-Plated Steel
503	Water Slinger	305453030		Neoprene
510	Impeller Bolt	305461014		416 Stainless Steel
520	Impeller Washer	305448013	305455014	417 Stainless Steel
530A	Nut, Flapper	305463061		Zinc Plated Steel
530B	Washer, Flapper	305463063		Zinc Plated Steel
530C	Flapper Bolt	305463080		Zinc Plated Steel
530D	Hex Bolts - Volute (8-pack)	305463064		Zinc Plated Steel
530E	Hex Bolt - Motor Adapter (4 Req)	305463120	305463121	Zinc Plated Steel
530G	Hex Bolt - Check Valve	305463010		Zinc Plated Steel

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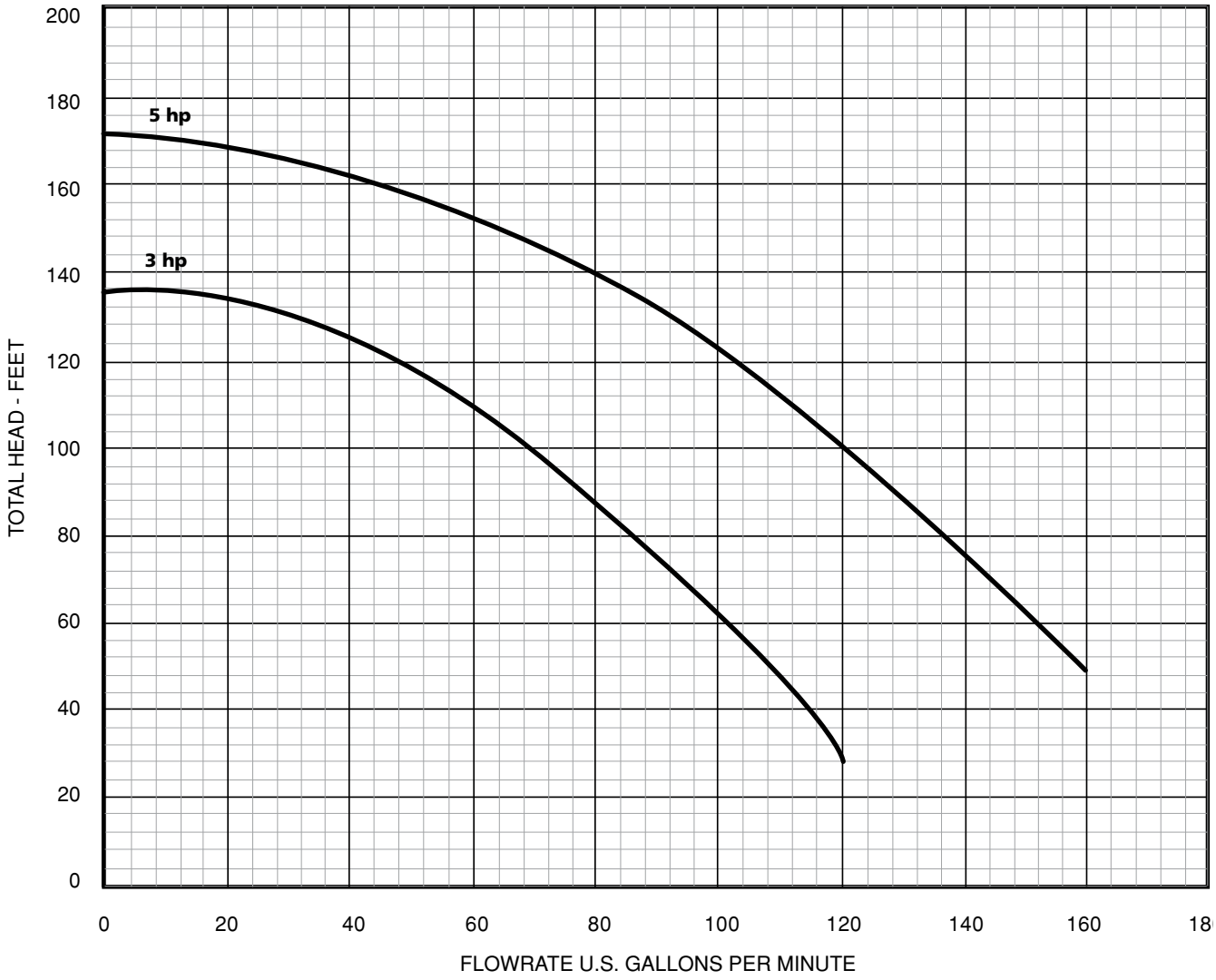
Performance Curve:

3600 rpm
Nominal



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