

END-SUCTION CENTRIFUGAL STAINLESS STEEL

SOX series
1.5 - 50 HP



*ANSI counterflange kit
ordered separately

SUCTION

2", 2½", 3" and 4" horizontal flange 150 lb DIN

DISCHARGE

1¼", 1½", 2", 2½" and 3" vertical flange 150 lb DIN

MAX. LIQUID TEMPERATURE

248 °F (120 °C)

MAX. WORKING PRESSURE

145 PSI (10.2 kg/cm²)

BODY

304 stainless steel

SEAL PLATE

304 stainless steel

IMPELLER

Design: close type

Material: 304 stainless steel

SEAL

Design: mechanical, lubricated by water.

Material: silicon carbide stationary part, carbon ring seal and exclusion in the rotating part. EPDM elastomer and stainless steel spring.

BRACKET

Cast iron ASTM, class 30.

HARDWARE

304 stainless steel

O-RINGS

Buna-N

SHAFT SLEEVE

316 stainless steel

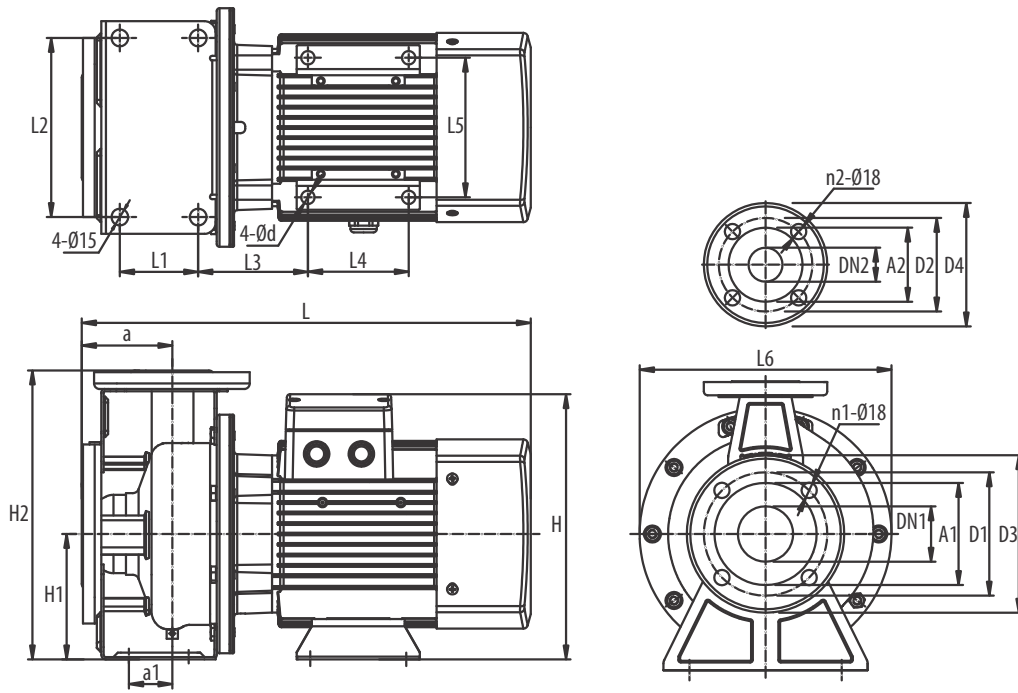
MOTOR

IE3 premium efficiency, totally enclosed with external ventilation; 60 Hz, 3450 RPM, single phase 230 V and three phase 230/460 V, class F insulation. Built-in thermal protection in single-phase motors.

Requires installation of electrical overload protection.

OPTIONAL EQUIPMENT

DIN type NPT threaded counterflanges in stainless steel 304. Includes hardware and gaskets.



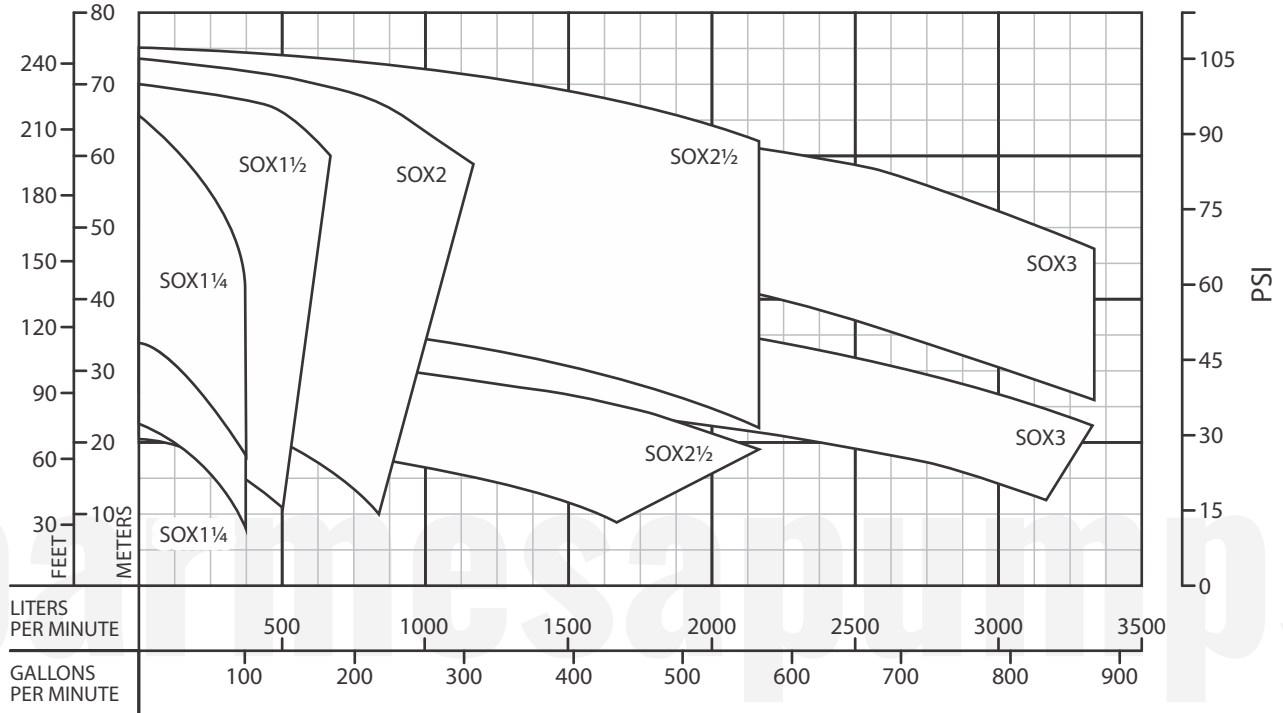
MODEL	HP	SIZE	DIMENSIONS (in)																		WEIGHT (lb)			
			A1	A2	D1	D2	D3	D4	n1	n2	a	a1	d	H	H1	H2	L	L1	L2	L3		L4	L5	L6
SOX1¼-1.5-2-1	1.5	2" x 1¼"	3.9	3	4.9	3.9	6.3	5.5	4	4	3.1	-	0.5	9.8	4.4	10.1	14.8	-	-	3.3	3.5	4.9	8.3	49
SOX1¼-1.5-2			3.9	3	4.9	3.9	6.3	5.5	4	4	3.1	-	0.5	10.5	4.4	10.1	15.8	-	-	3.9	3.5	4.9	8.3	57
SOX1¼-2-2-1	2		3.9	3	4.9	3.9	6.3	5.5	4	4	3.1	-	0.5	10.5	4.4	10.1	15.8	-	-	4.2	3.9	6.2	8.3	62
SOX1¼-2-2			3.9	3	4.9	3.9	6.3	5.5	4	4	3.3	-	0.5	13.0	6.3	13.6	18.3	-	-	4.7	3.9	6.2	11.8	84
SOX1¼-3-2	3		3.9	3	4.9	3.9	6.3	5.5	4	4	3.3	-	0.5	13.9	6.3	13.6	18.3	-	-	4.5	3.9	6.2	11.8	93
SOX1¼-4-2	4		3.9	3	4.9	3.9	6.3	5.5	4	4	3.3	1.4	0.6	14.7	6.3	13.6	19.8	2.8	8.3	4.3	5.5	7.7	11.8	121
SOX1¼-5.5-2	5.5	4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.1	-	0.5	10.5	4.4	10	15.8	-	-	4	3.5	4.9	8.3	51	
SOX1¼-7.5-2	7.5	4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.1	-	0.5	10.5	4.4	10	15.8	-	-	4.3	3.9	6.2	8.3	55	
SOX1½-2-2-1	2	2" x 1½"	4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.1	-	0.5	11.1	4.4	10	18.3	-	-	5.1	3.9	6.2	9.8	57
SOX1½-3-2-1	3		4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.1	-	0.5	12.0	4.4	10	18.3	-	-	4.6	3.9	6.2	9.8	64
SOX1½-4-2	4		4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.9	1.4	0.6	14.7	6.3	13.4	20.8	2.8	8.3	4.8	5.5	7.7	11.8	95
SOX1½-5.5-2	5.5		4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.9	1.4	0.6	14.7	6.3	13.4	20.8	2.8	8.3	4.8	5.5	7.7	11.8	99
SOX1½-7.5-2	7.5		4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.9	1.4	0.6	16.4	6.3	13.4	24.3	2.8	8.3	4.8	8.3	10	13.8	220
SOX1½-10-2	10		4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.9	1.4	0.6	16.4	6.3	13.4	24.3	2.8	8.3	4.8	8.3	10	13.8	220
SOX1½-15-2	15	4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.9	1.4	0.6	16.4	6.3	13.4	24.3	2.8	8.3	4.8	8.3	10	13.8	220	
SOX2-4-2	4	2½" x 2"	4.6	3.9	5.7	4.9	7.3	6.3	4	4	3.4	-	0.5	11.9	5.2	11.7	18.9	-	-	5	3.9	6.2	9.8	77
SOX2-5.5-2	5.5		4.6	3.9	5.7	4.9	7.3	6.3	4	4	3.4	-	0.5	12.8	5.2	11.7	18.9	-	-	5.1	3.9	6.2	9.8	86
SOX2-7.5-2	7.5		4.6	3.9	5.7	4.9	7.3	6.3	4	4	3.9	1.4	0.6	14.7	6.3	13.4	20.8	2.8	8.3	4.9	5.5	7.7	11.8	121
SOX2-10-2	10		4.6	3.9	5.7	4.9	7.3	6.3	4	4	3.9	1.4	0.6	14.7	6.3	13.4	20.8	2.8	8.3	4.9	5.5	7.7	11.8	128
SOX2-12.5-2	12.5		4.6	3.9	5.7	4.9	7.3	6.3	4	4	3.9	1.4	0.6	14.7	6.3	13.4	22.3	2.8	8.3	5.7	5.5	7.7	11.8	143
SOX2-15-2	15		4.6	3.9	5.7	4.9	7.3	6.3	4	4	3.9	1.4	0.6	16.4	6.3	13.4	24.3	2.8	8.3	4.8	8.3	10	13.8	218
SOX2-20-2	20	4.6	3.9	5.7	4.9	7.3	6.3	4	4	3.9	1.4	0.6	16.4	6.3	13.4	24.3	2.8	8.3	4.8	8.3	10	13.8	249	
SOX2-25-2	25	4.6	3.9	5.7	4.9	7.3	6.3	4	4	3.9	1.4	0.6	16.4	6.3	13.4	26.1	2.8	8.3	4.8	10	10	13.8	278	
SOX2½-5.5-2	5.5	3" x 2½"	5.1	4.6	6.3	5.7	7.9	7.3	8	4	3.9	1.9	0.6	14.7	6.3	13.4	21.3	3.7	8.3	4.1	5.5	7.7	11.8	134
SOX2½-7.5-2	7.5		5.1	4.6	6.3	5.7	7.9	7.3	8	4	3.9	1.9	0.6	14.7	6.3	13.4	21.3	3.7	8.3	4.1	5.5	7.7	11.8	134
SOX2½-10-2	10		5.1	4.6	6.3	5.7	7.9	7.3	8	4	3.9	1.9	0.6	14.7	6.3	13.4	21.3	3.7	8.3	4.1	5.5	7.7	11.8	139
SOX2½-12.5-2	12.5		5.1	4.6	6.3	5.7	7.9	7.3	8	4	3.9	1.9	0.6	14.7	6.3	13.4	22.8	3.7	8.3	4.8	5.5	7.7	11.8	152
SOX2½-15-2	15		5.1	4.6	6.3	5.7	7.9	7.3	8	4	3.9	1.9	0.6	16.4	6.3	14.2	24.6	3.7	8.3	3.9	8.3	10	13.8	223
SOX2½-20-2	20		5.1	4.6	6.3	5.7	7.9	7.3	8	4	3.9	1.9	0.6	16.4	6.3	14.2	24.6	3.7	8.3	3.9	8.3	10	13.8	249
SOX2½-25-2	25	5.1	4.6	6.3	5.7	7.9	7.3	8	4	3.9	1.9	0.6	17.2	7.1	15.9	26.3	3.7	9.8	3.6	10	10	13.8	284	
SOX2½-30-2	30	5.1	4.6	6.3	5.7	7.9	7.3	8	4	3.9	1.9	0.6	18.1	7.1	15.9	26.3	3.7	9.8	4	10	10	13.8	306	
SOX2½-40-2	40	5.1	4.6	6.3	5.7	7.9	7.3	8	4	3.9	1.9	0.6	19.5	7.1	15.9	32.6	3.7	9.8	5.6	12	12.5	13.8	562	
SOX3-15-2	15	4" x 3"	5.9	5.1	7.1	6.3	8.7	7.9	8	8	4.9	1.9	0.6	17.2	7.1	15.9	26.6	3.7	9.8	4.1	8.3	10	13.8	220
SOX3-20-2	20		5.9	5.1	7.1	6.3	8.7	7.9	8	8	4.9	1.9	0.6	17.2	7.1	15.9	26.6	3.7	9.8	4.1	8.3	10	13.8	249
SOX3-25-2	25		5.9	5.1	7.1	6.3	8.7	7.9	8	8	4.9	1.9	0.6	17.2	7.1	15.9	28.3	3.7	9.8	4.1	10	10	13.8	284
SOX3-30-2	30		5.9	5.1	7.1	6.3	8.7	7.9	8	8	4.9	2.2	0.6	18.1	7.1	16.9	28.3	3.7	11	3.9	10	10	13.8	309
SOX3-40-2	40		5.9	5.1	7.1	6.3	8.7	7.9	8	8	4.9	2.2	0.6	19.5	7.1	16.9	33.9	3.7	11	6.2	12	12.5	13.8	569
SOX3-50-2	50		5.9	5.1	7.1	6.3	8.7	7.9	8	8	4.9	2.2	0.6	19.5	7.1	16.9	33.9	3.7	11	6.2	12	12.5	13.8	646

!IMPORTANT!

1. Never use this pump to handle explosive liquids.

PERFORMANCE CURVES

End-Suction Centrifugal 304 Stainless Steel
SOX series

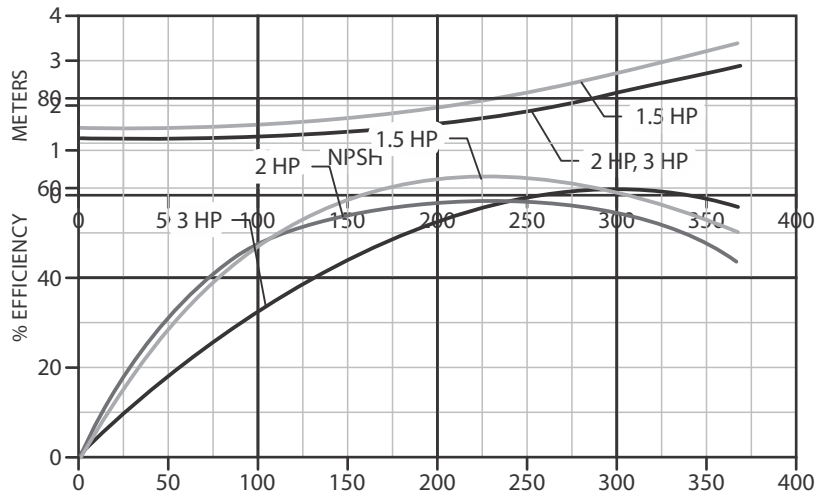
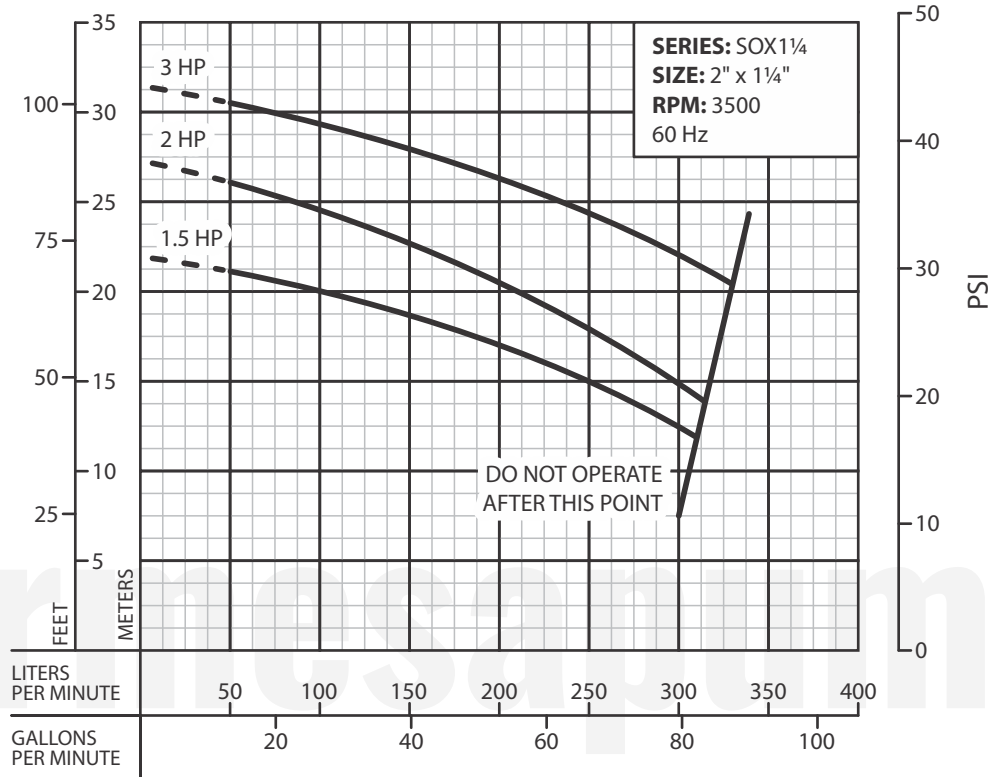


SERIES	POWER RANGE	NOMINAL FLOW RATE		OPERATING RANGE	
	HP	LPS	GPM	LPS	GPM
SOX1¼	1.5 - 3	4	63	1 - 6	13 - 95
SOX1¼	4 - 7.5	5	79	1 - 6	13 - 98
SOX1½	2 - 15	7	111	1 - 10	21 - 159
SOX2	4 - 25	12	190	3 - 17	48 - 263
SOX2½	5.5 - 12.5	24	380	11 - 33	171 - 528
SOX2½	15 - 40	28	444	11 - 36	171 - 567
SOX3	15 - 25	38	602	17 - 55	263 - 872
SOX3	30 - 50	44	697	17 - 55	263 - 872

Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.

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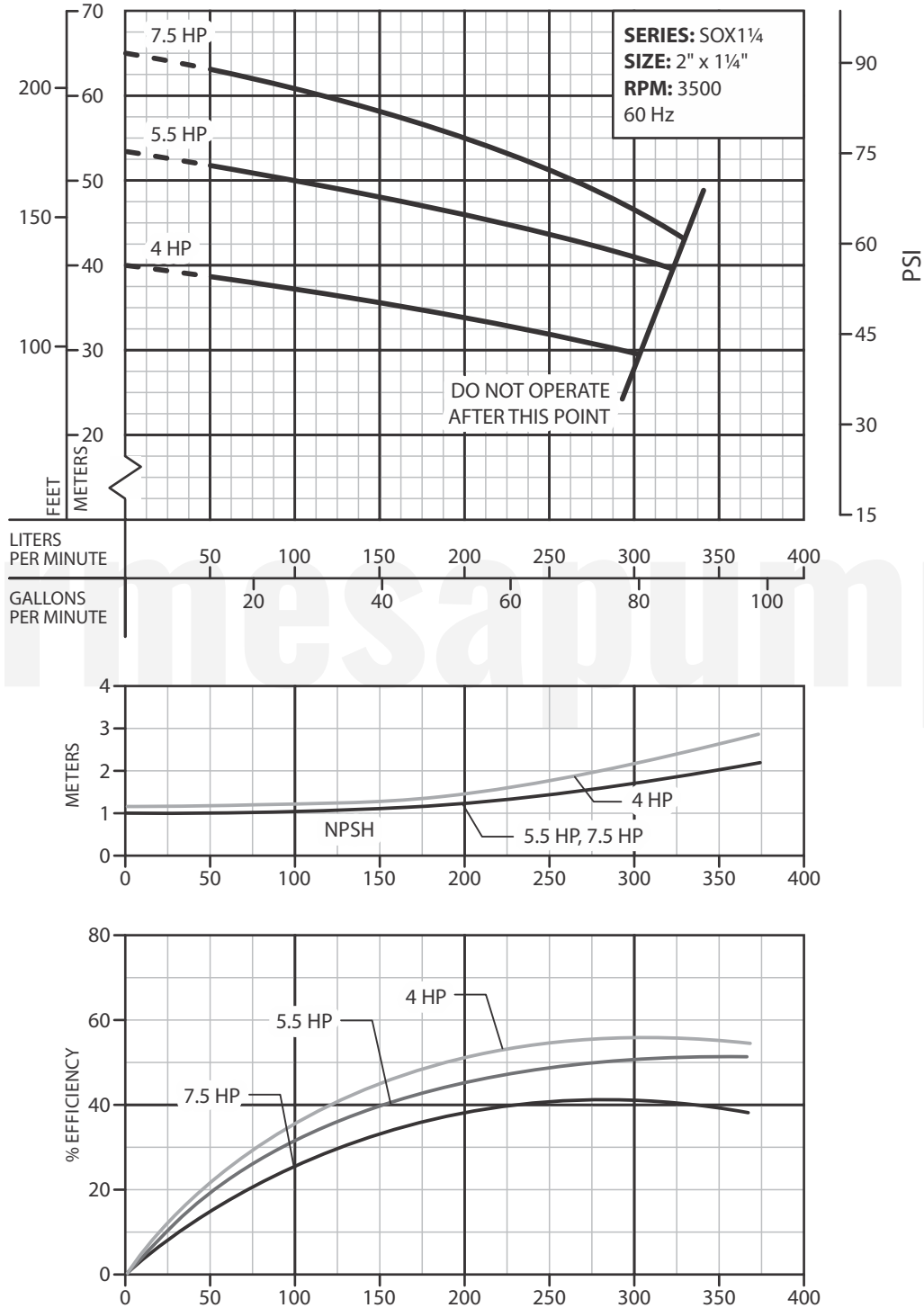
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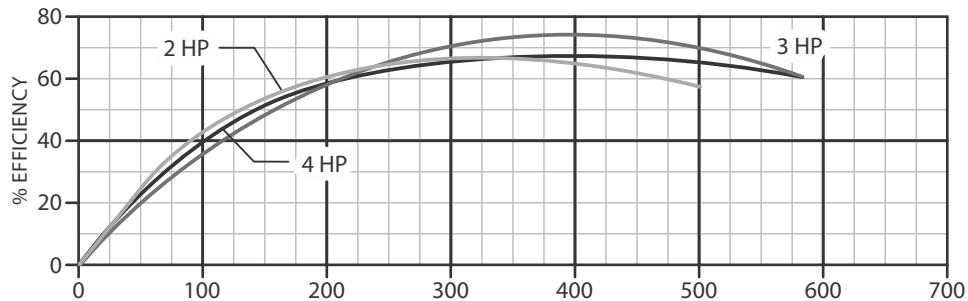
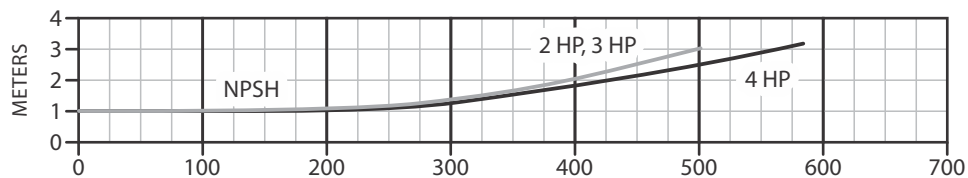
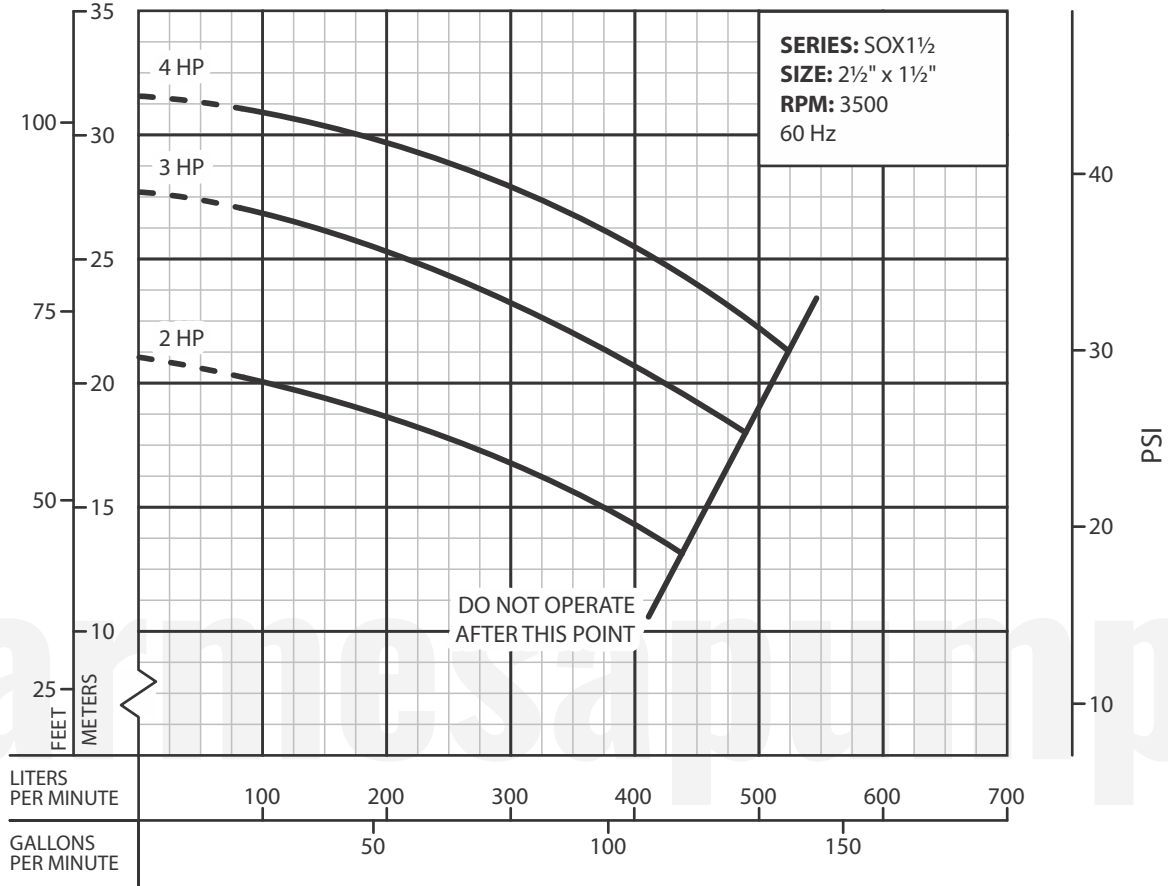
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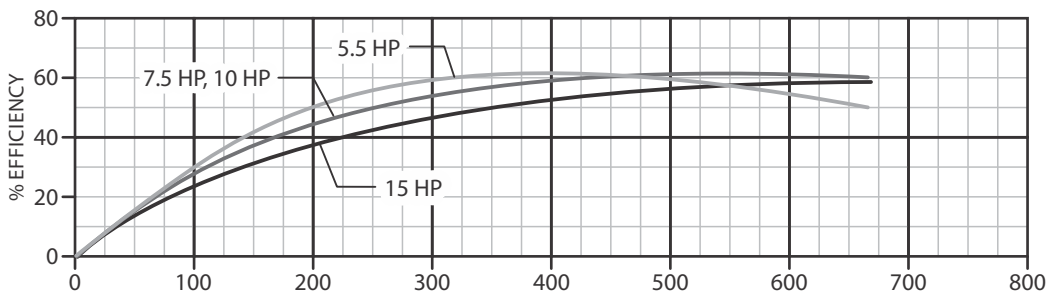
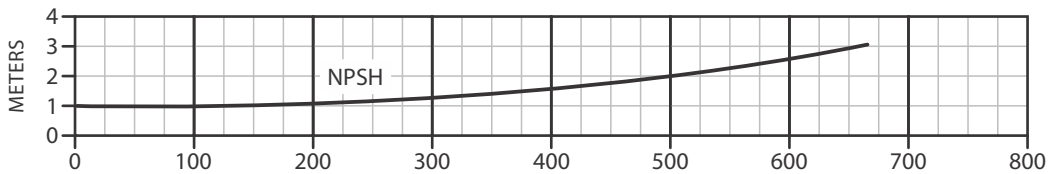
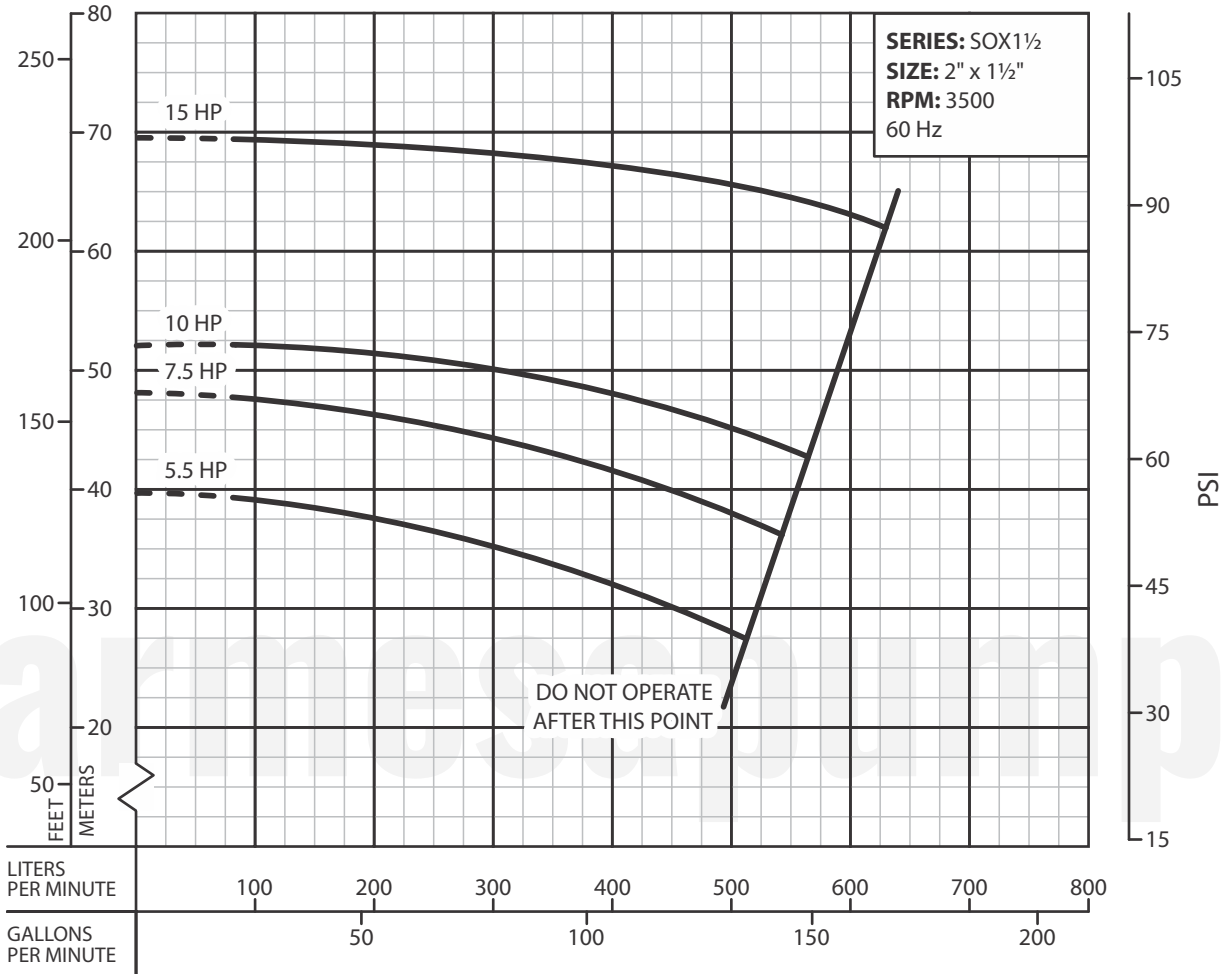
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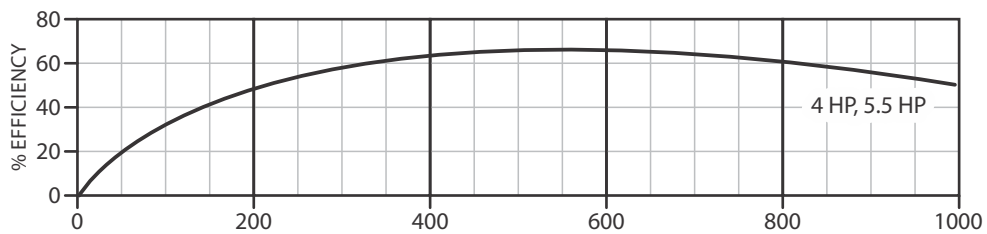
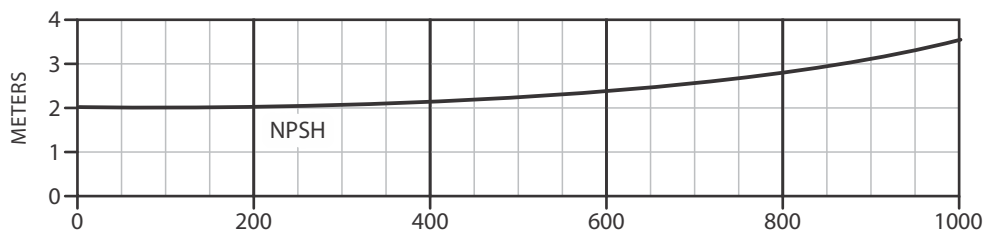
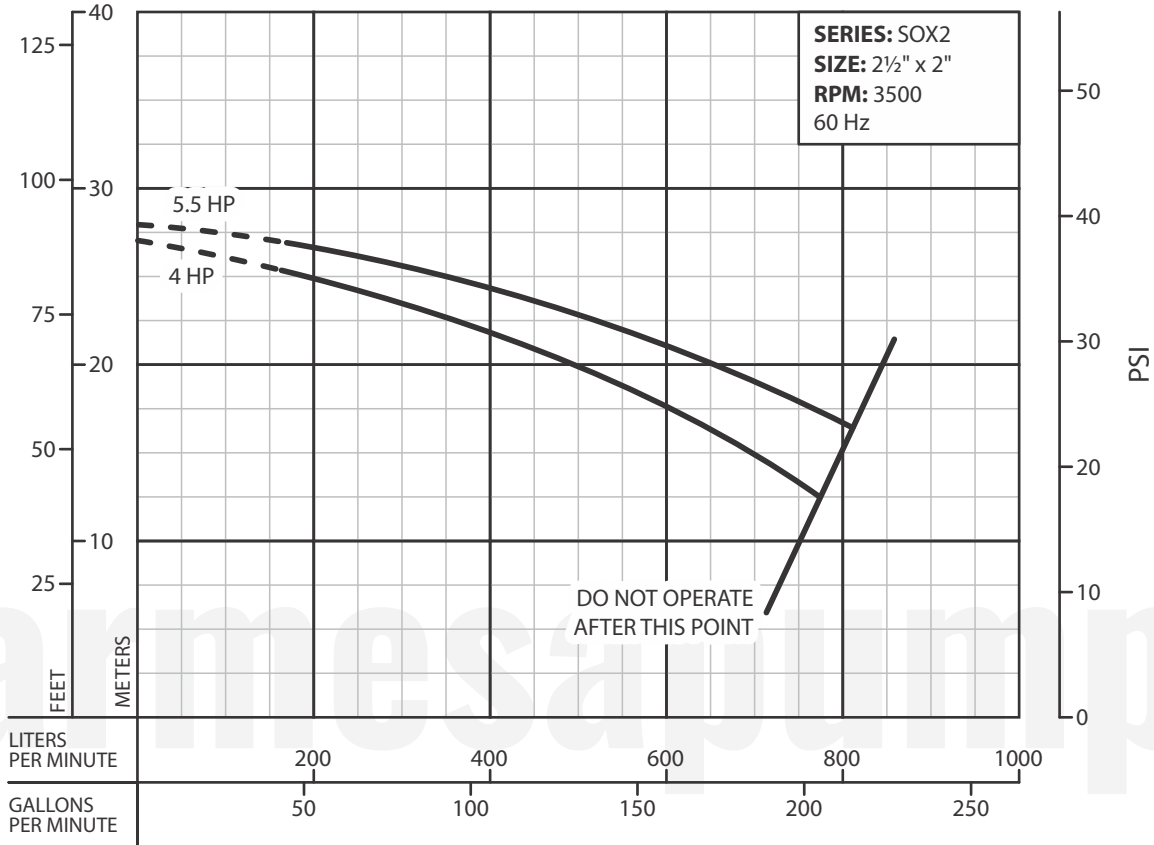
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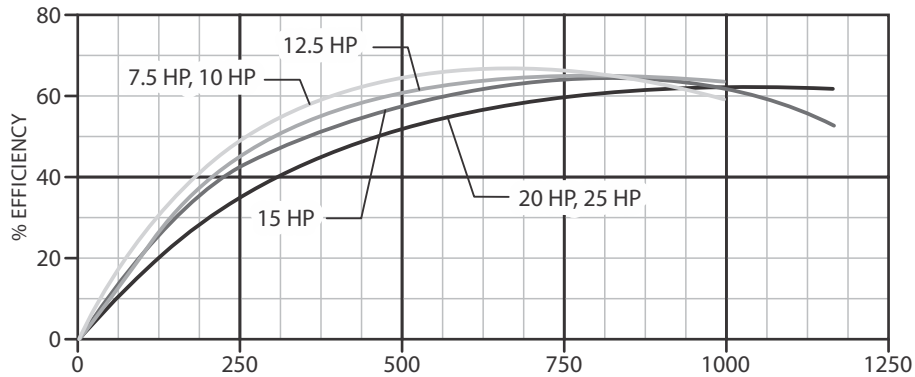
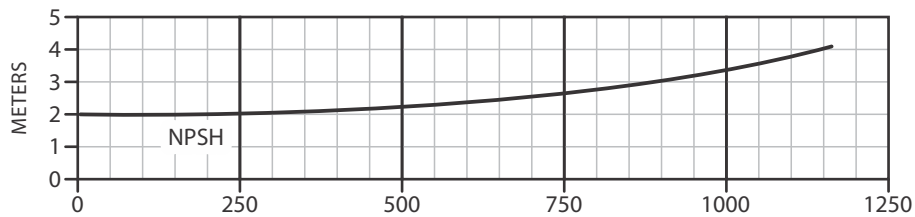
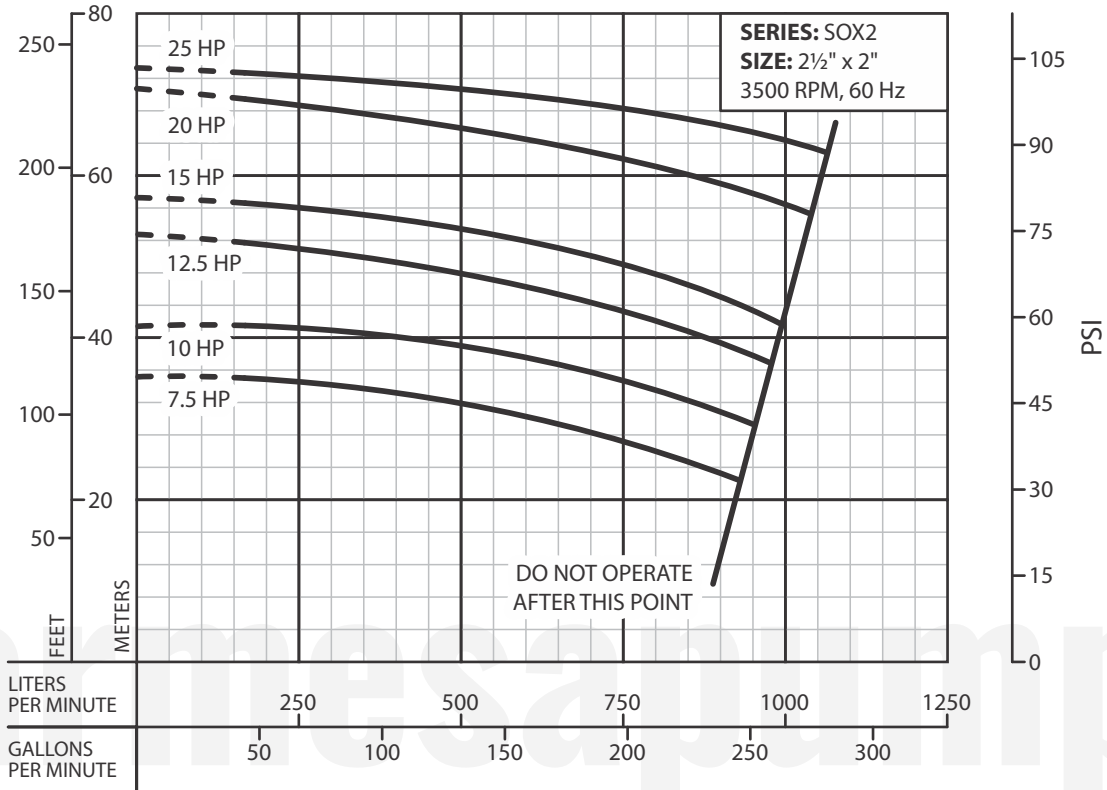
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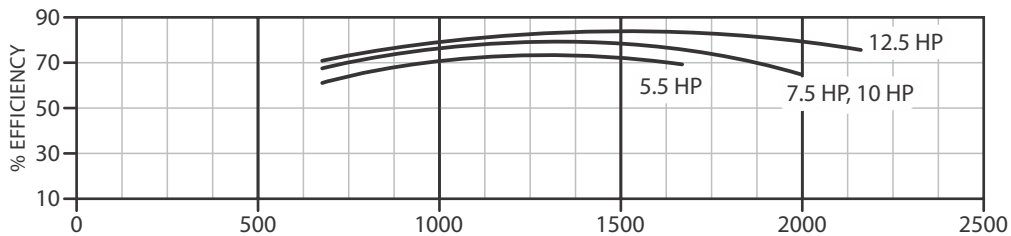
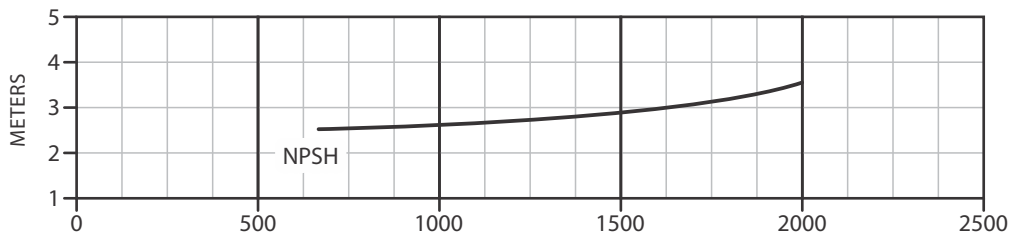
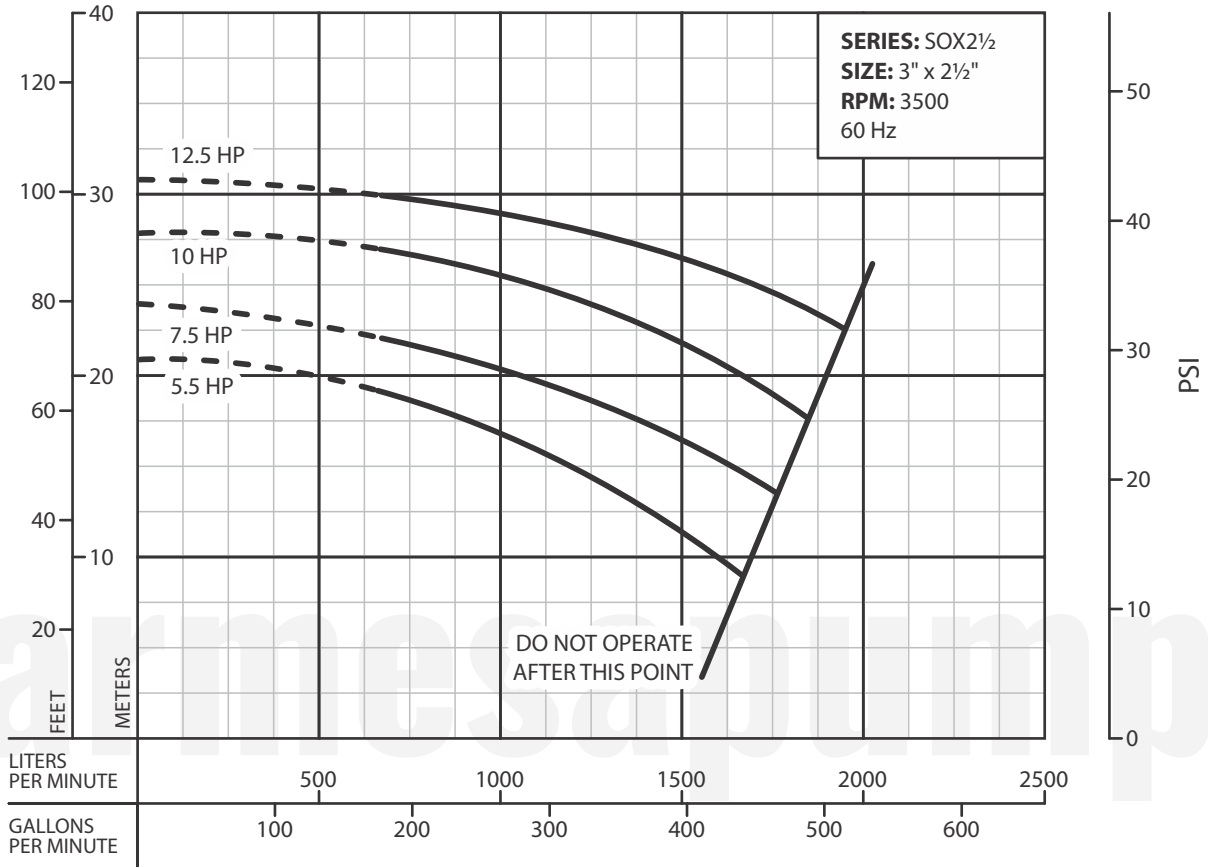
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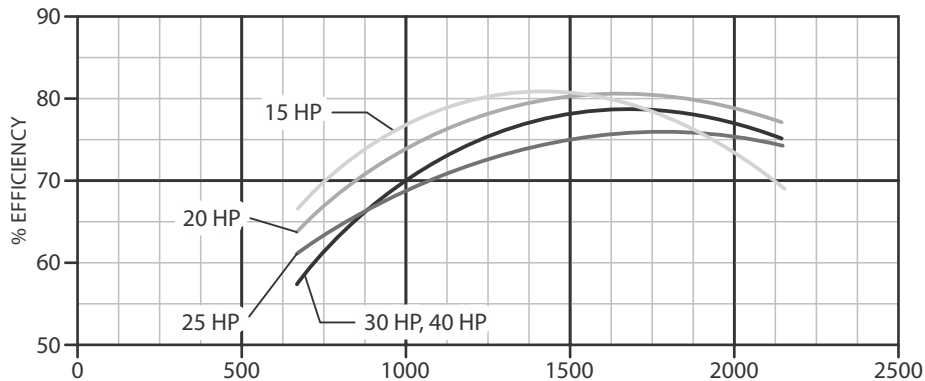
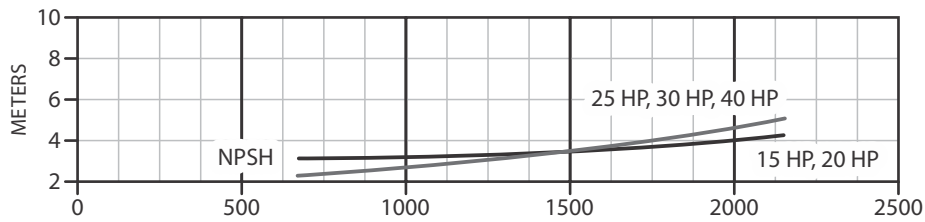
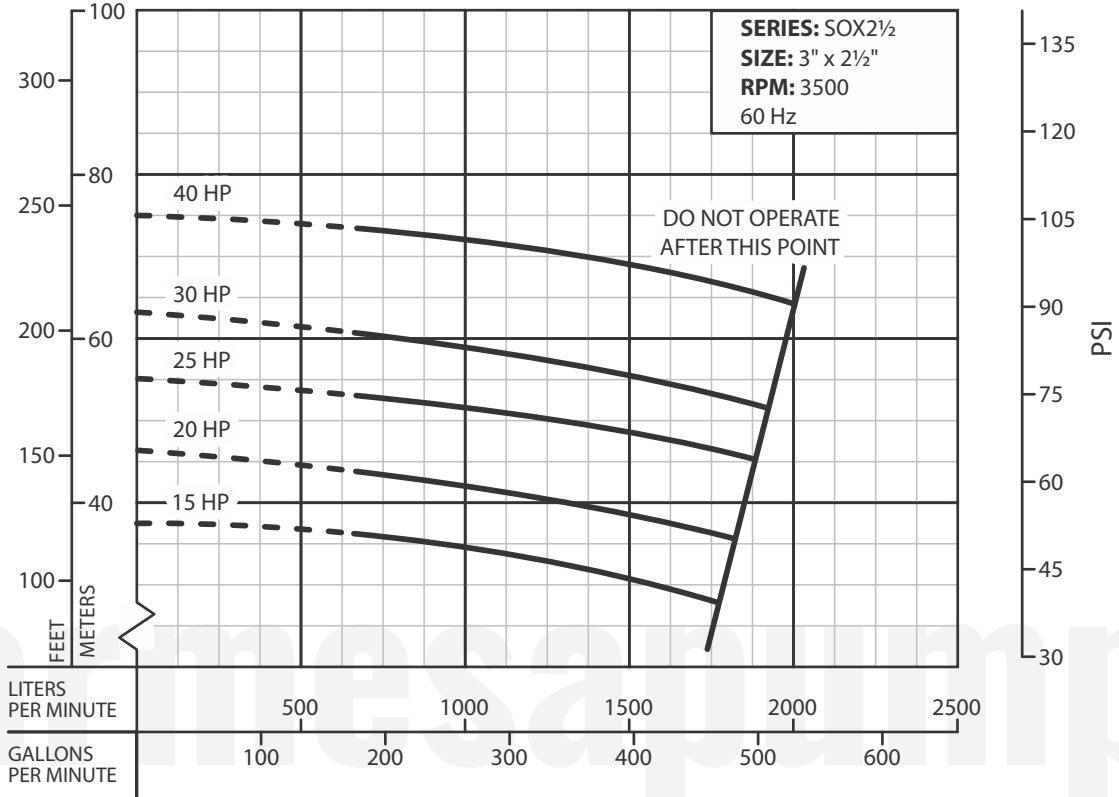
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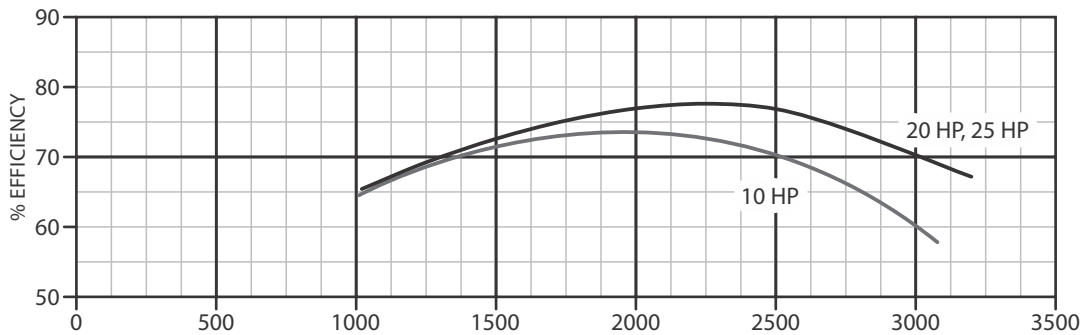
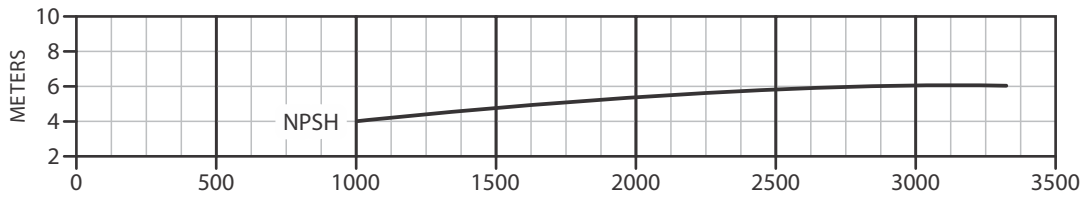
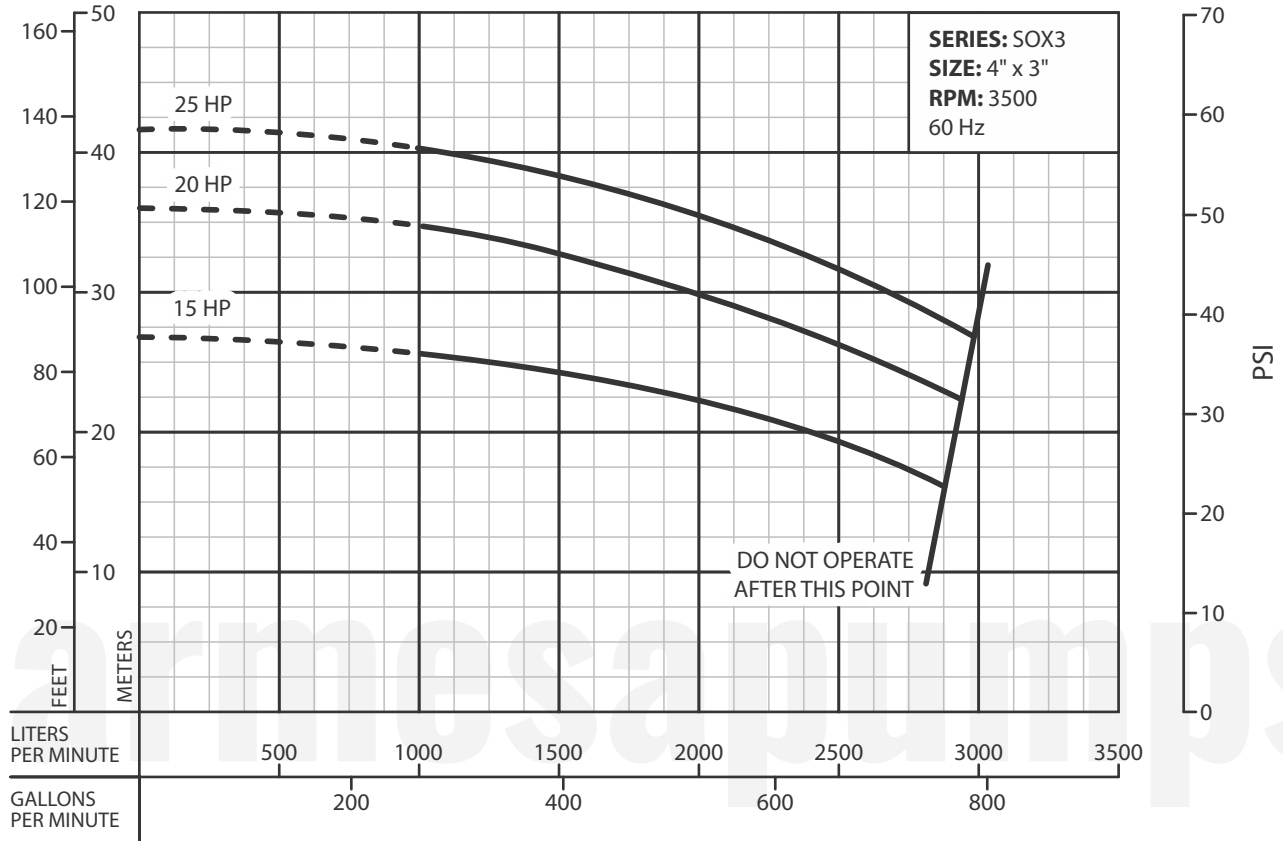
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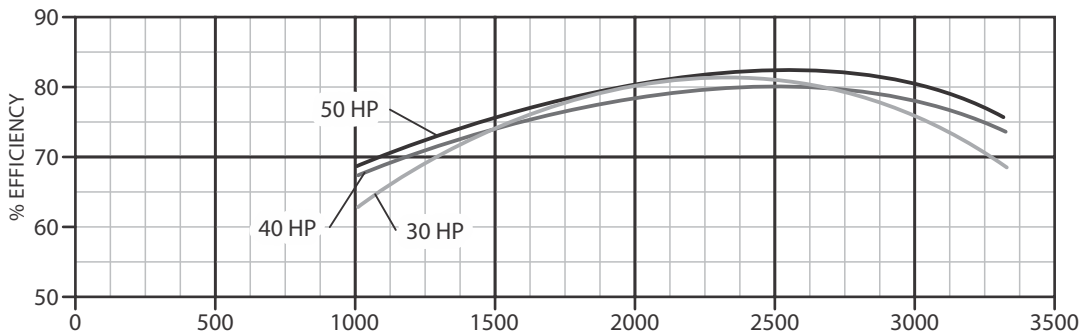
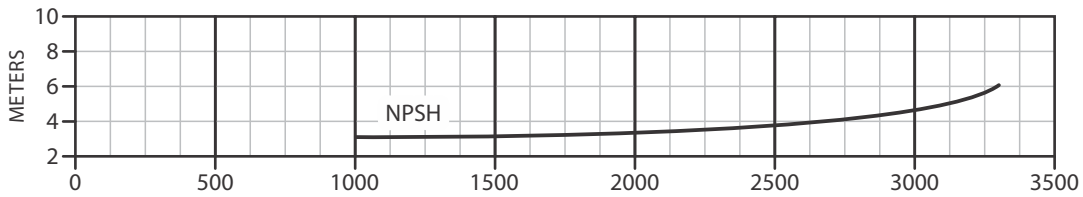
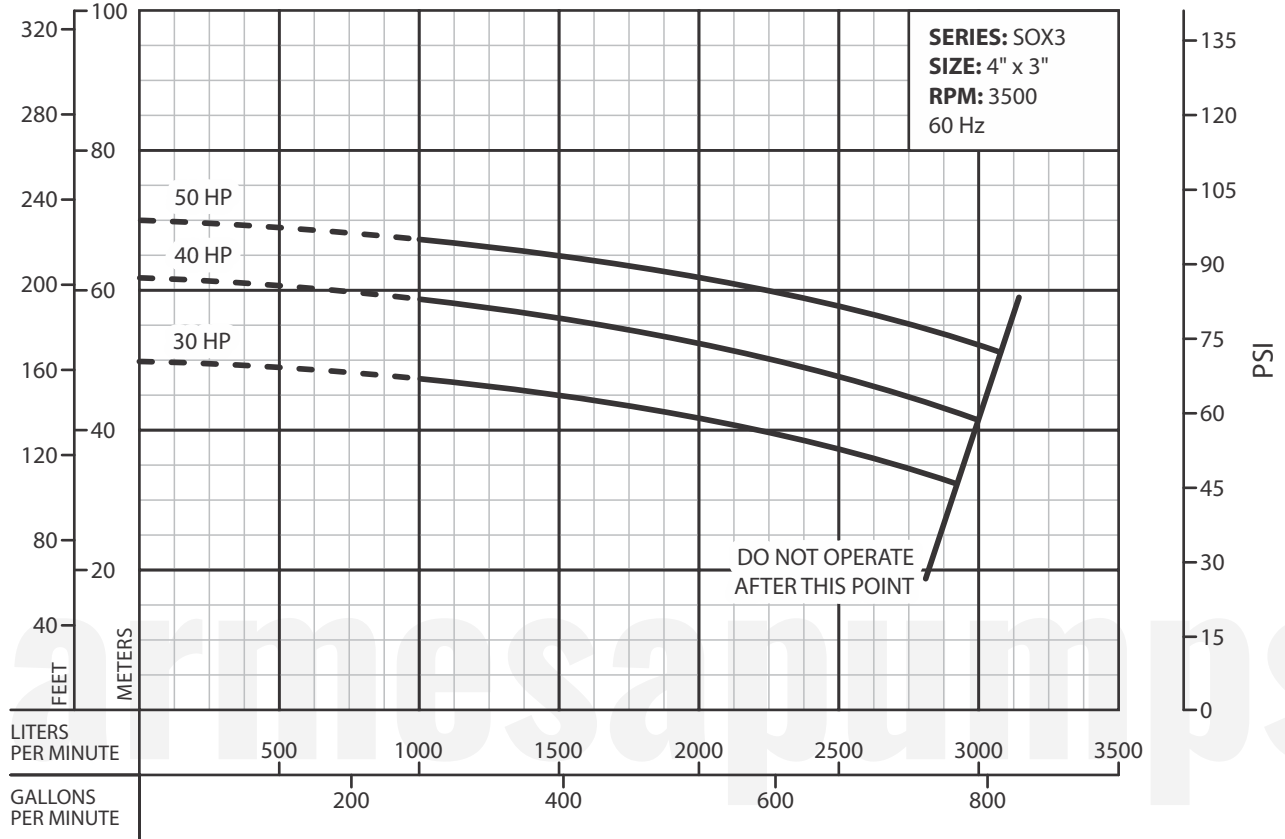
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