

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

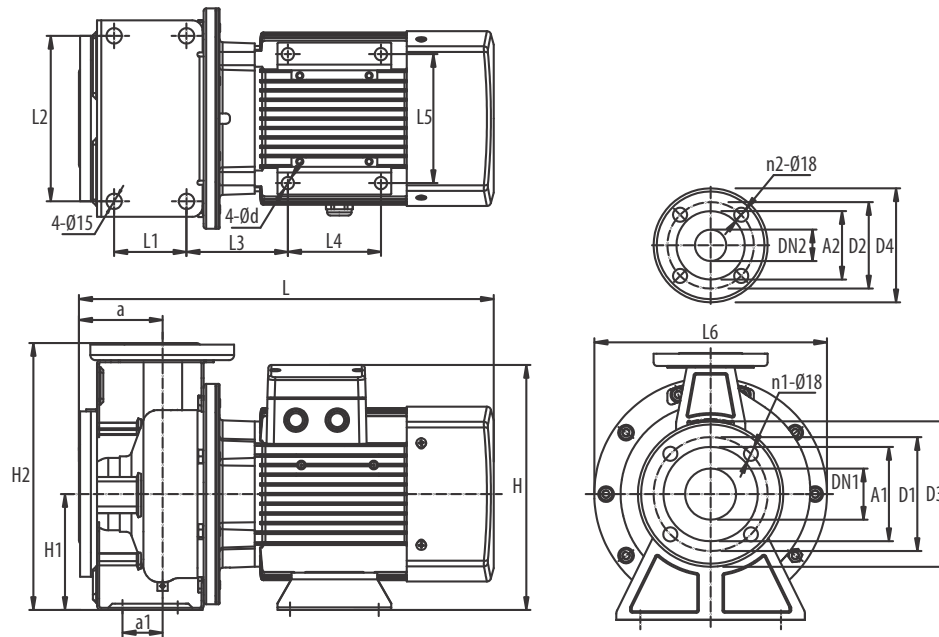
IE3 premium efficiency, totally enclosed with external ventilation; 60 Hz, 3450 RPM, single phase 230 V and three phase 230/460 V, class F insulation. Built-in thermal protection in single-phase motors.

Requires installation of electrical overload protection.

OPTIONAL EQUIPMENT

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

Last update: 10/26/2022



MODEL	HP	SIZE	DIMENSIONS (in)																				WEIGHT	
			A1	A2	D1	D2	D3	D4	n1	n2	a	a1	d	H	H1	H2	L	L1	L2	L3	L4	L5	L6	(lb)
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		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
SOX1¼-4-2	4		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
SOX1¼-5.5-2	5.5		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
SOX1¼-7.5-2	7.5		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
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	10.5	4.4	10	15.8	-	-	4	3.5	4.9	8.3	51
SOX1½-3-2-1	3		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
SOX1½-4-2	4		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
SOX1½-5.5-2	5.5		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
SOX1½-7.5-2	7.5		4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.9	1.4	0.6	14.7	6.3	13.4	20.8	2.8	8.3	4.8	5.5	7.7	11.8	95
SOX1½-10-2	10		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
SOX1½-15-2	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	3" x 2"	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		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	3" x 2½"	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		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	4" x 3"	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.

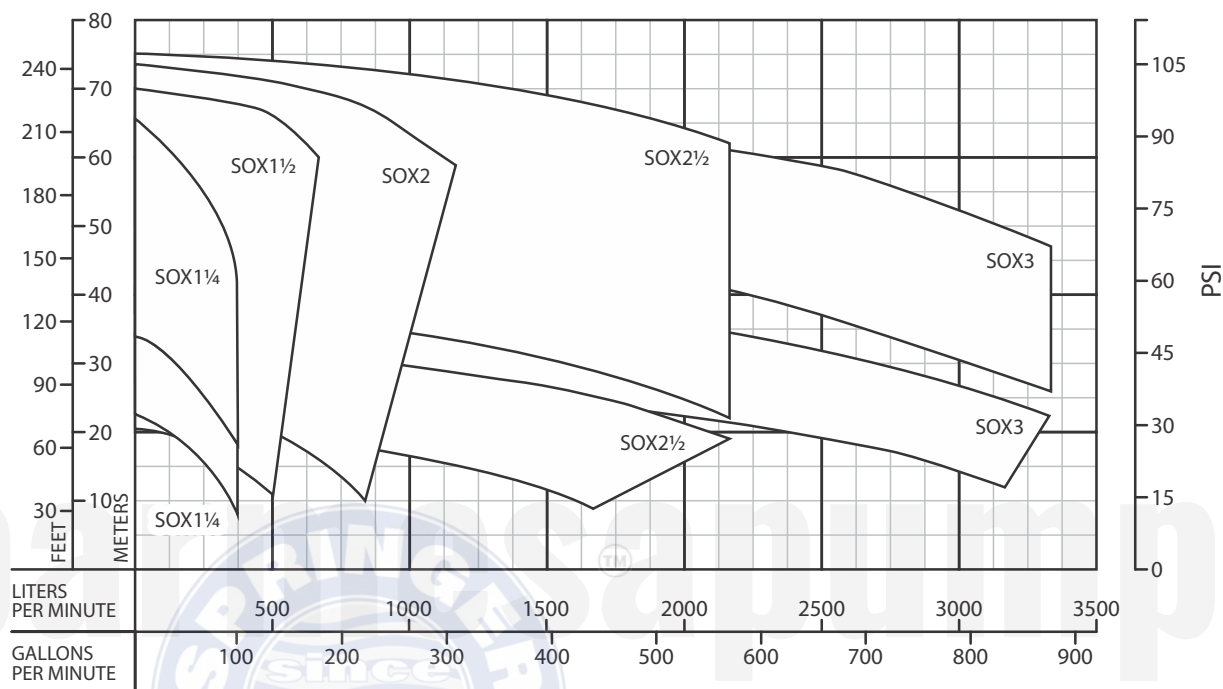
North America: 866 777 6060
Int'l: +1 267 404 2910

Springer Pumps
Springer Parts

barmesapumps.com/US
www.springerpumps.com
www.springerparts.com

PERFORMANCE CURVES

End-Suction Centrifugal 304 Stainless Steel
SOX series

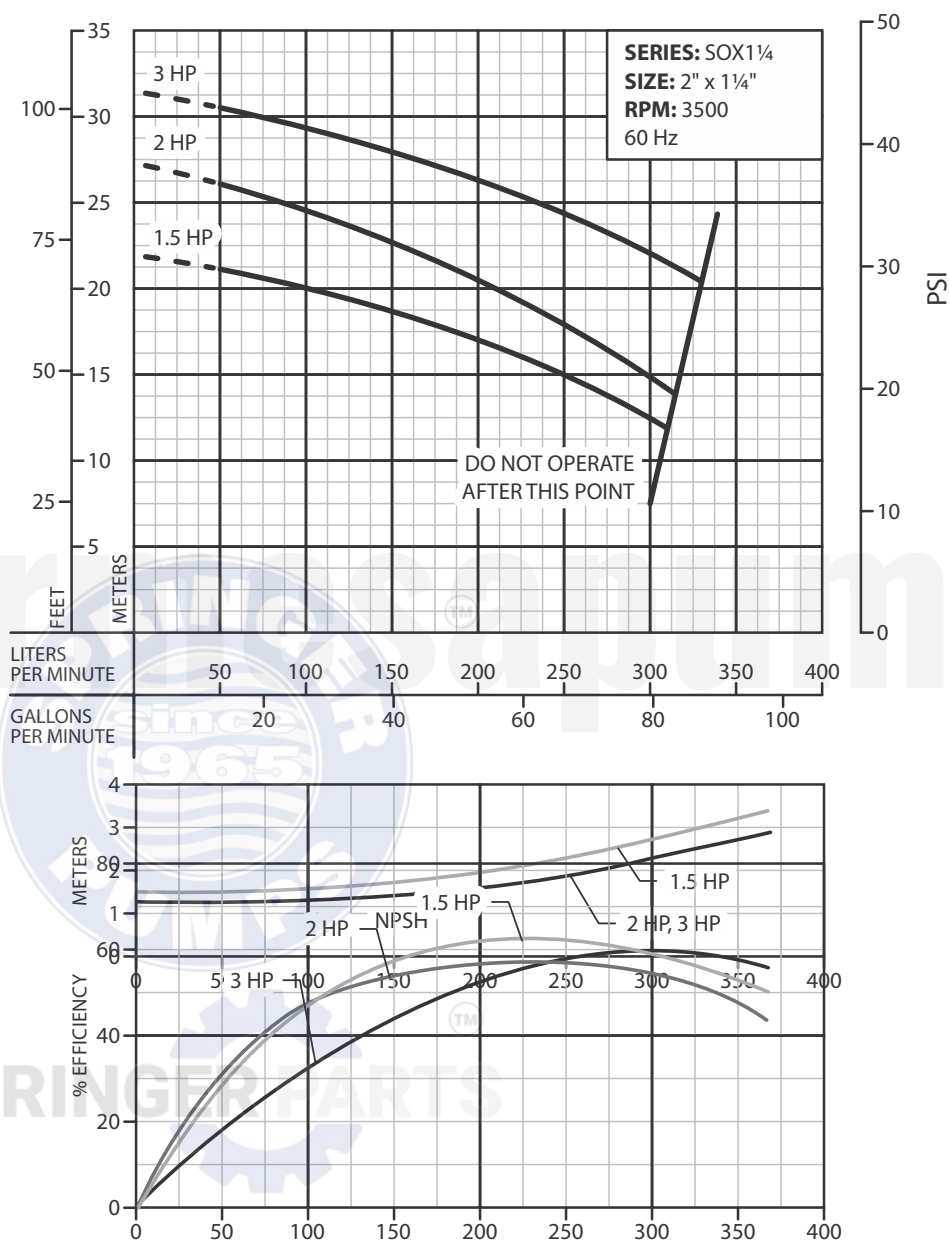


SERIES	POWER RANGE	NOMINAL FLOW RATE		OPERATING RANGE	
	HP	LPS	GPM	LPS	GPM
SOX1¼	1.5 - 3	4	63	1 - 6	13 - 95
SOX1¼	4 - 7.5	5	79	1 - 6	13 - 98
SOX1½	2 - 15	7	111	1 - 10	21 - 159
SOX2	4 - 25	12	190	3 - 17	48 - 263
SOX2½	5.5 - 12.5	24	380	11 - 33	171 - 528
SOX2½	15 - 40	28	444	11 - 36	171 - 567
SOX3	15 -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

PERFORMANCE CURVES

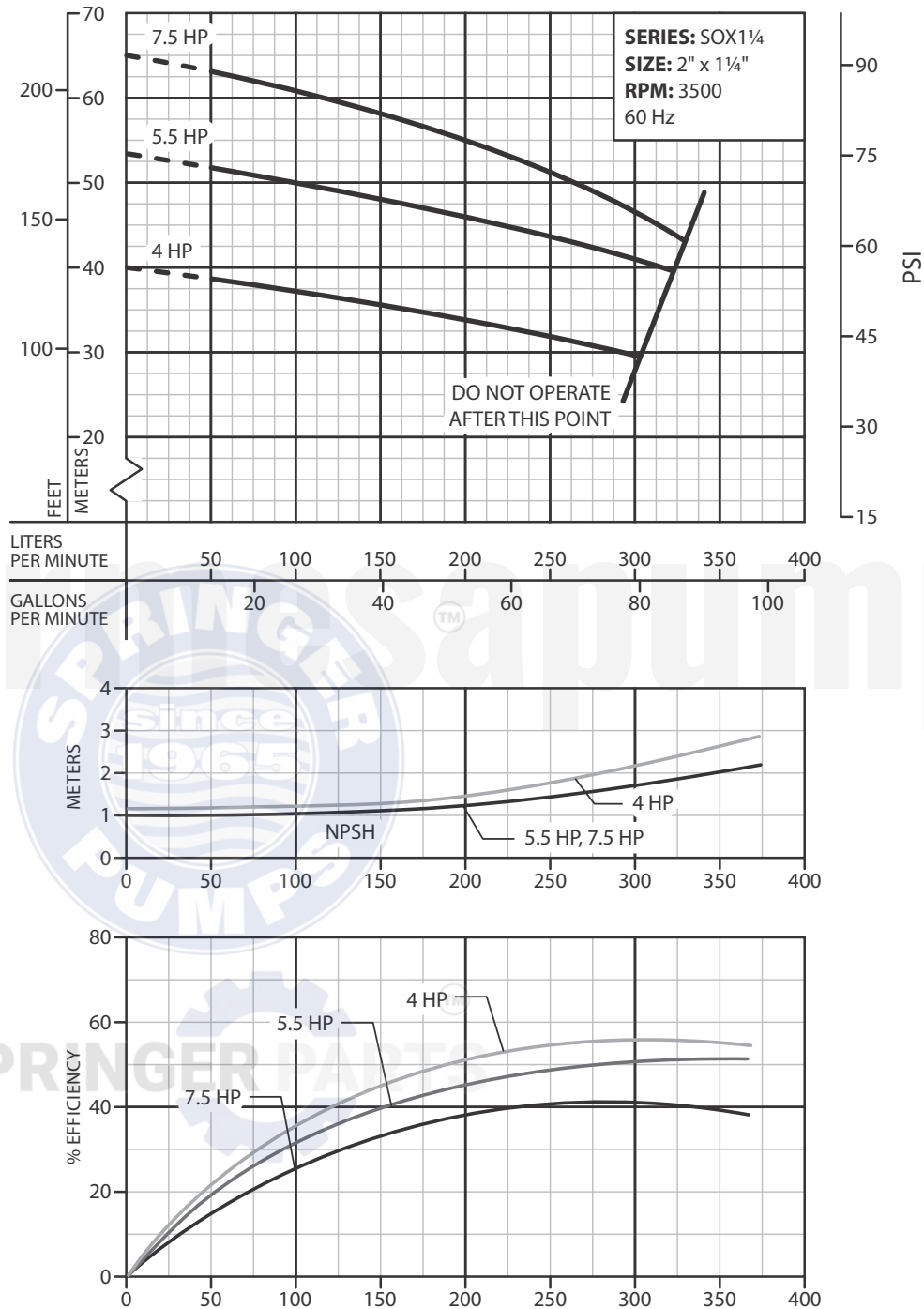
End-Suction Centrifugal 304 Stainless Steel
SOX series



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

PERFORMANCE CURVES

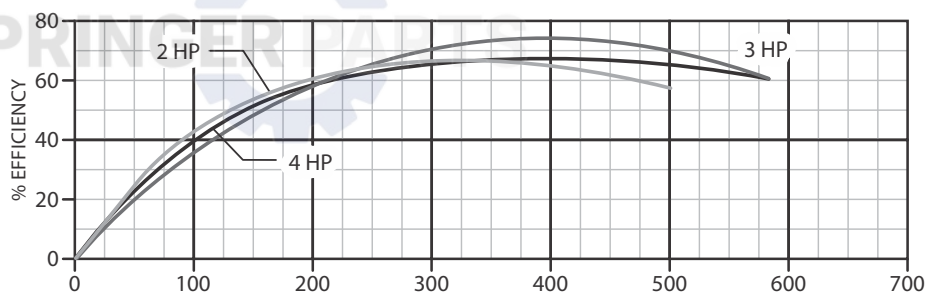
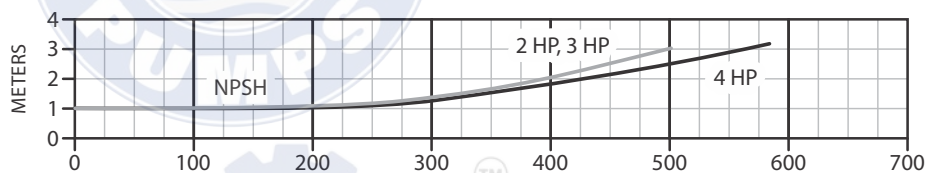
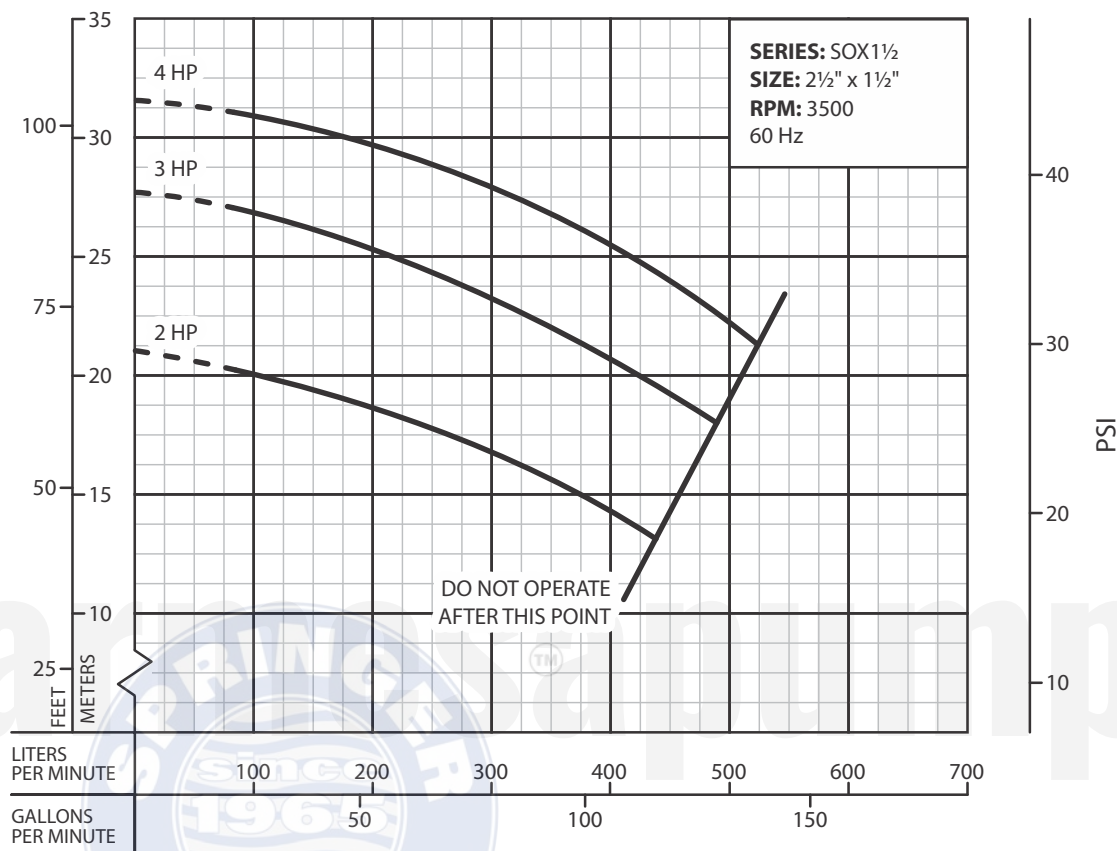
End-Suction Centrifugal 304 Stainless Steel
SOX series



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

PERFORMANCE CURVES

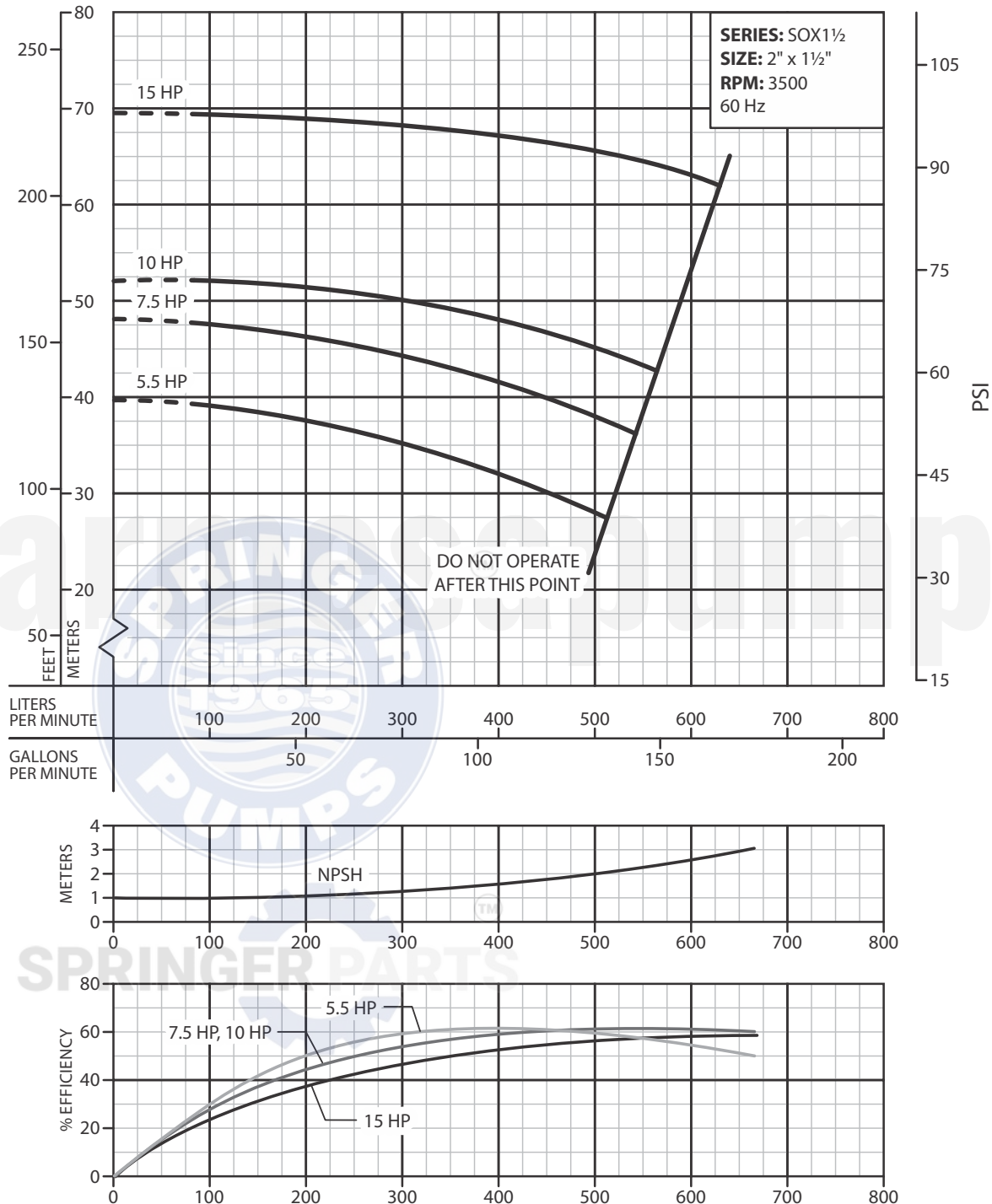
End-Suction Centrifugal 304 Stainless Steel
SOX series



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

PERFORMANCE CURVES

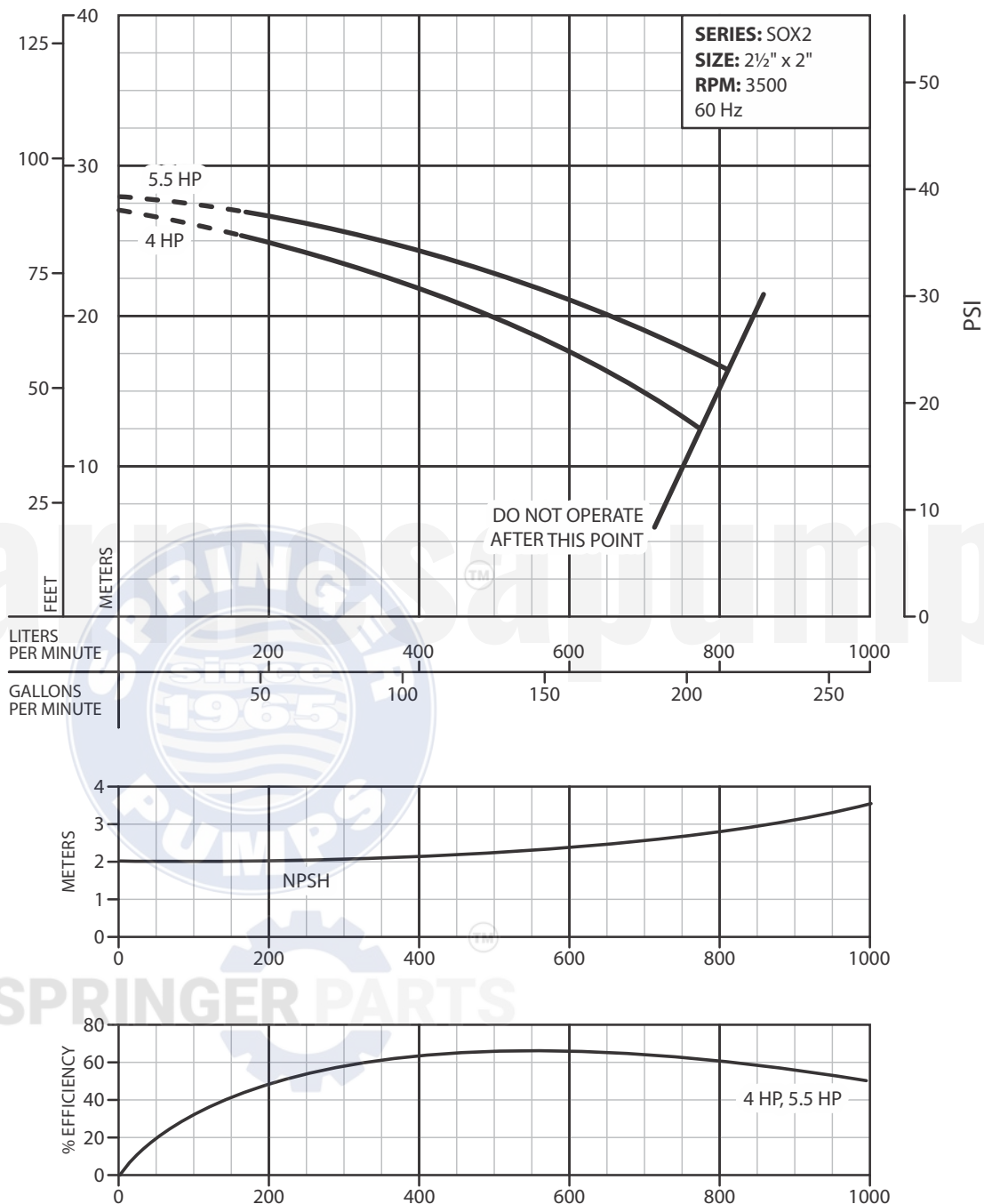
End-Suction Centrifugal 304 Stainless Steel
SOX series



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

PERFORMANCE CURVES

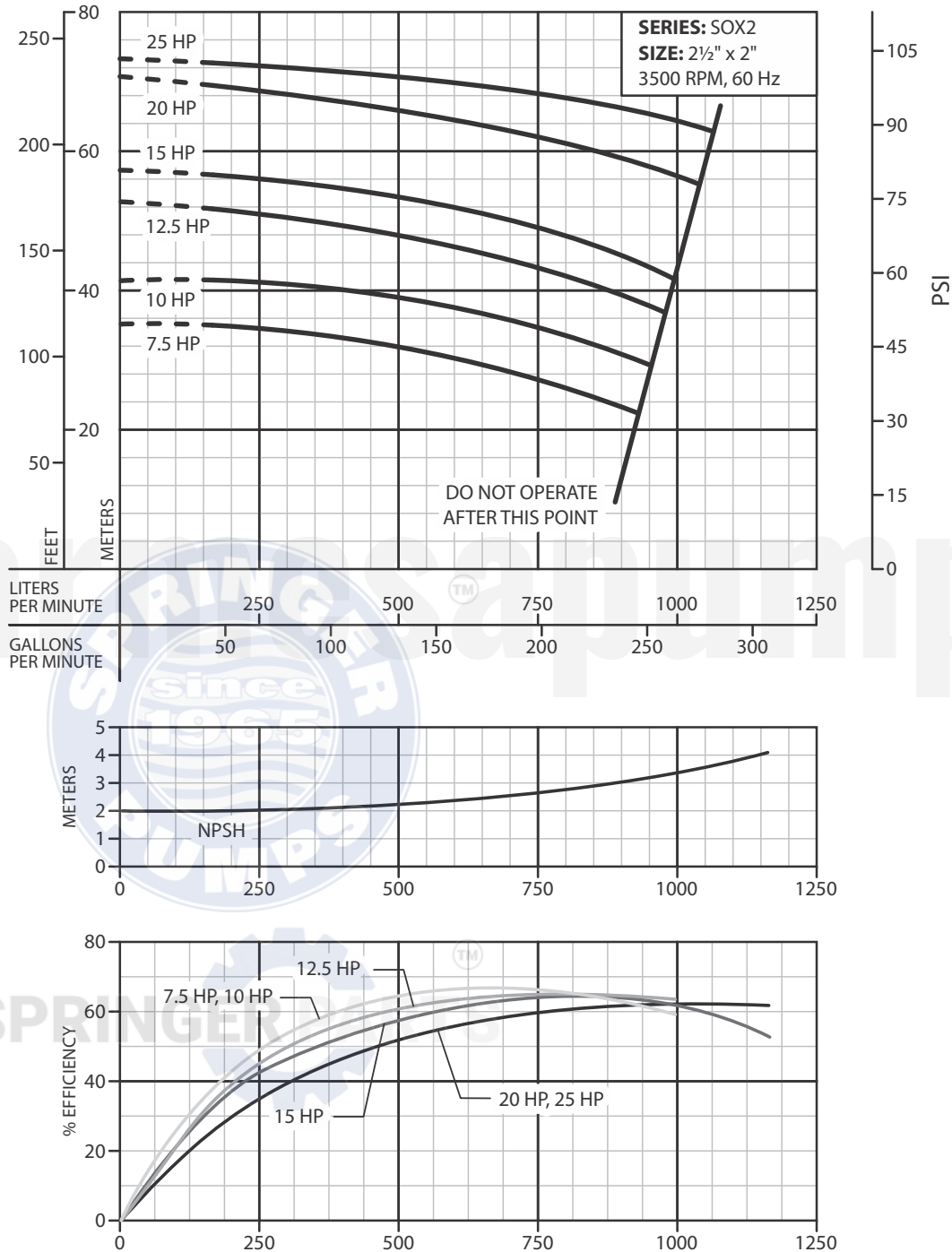
End-Suction Centrifugal 304 Stainless Steel
SOX series



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

PERFORMANCE CURVES

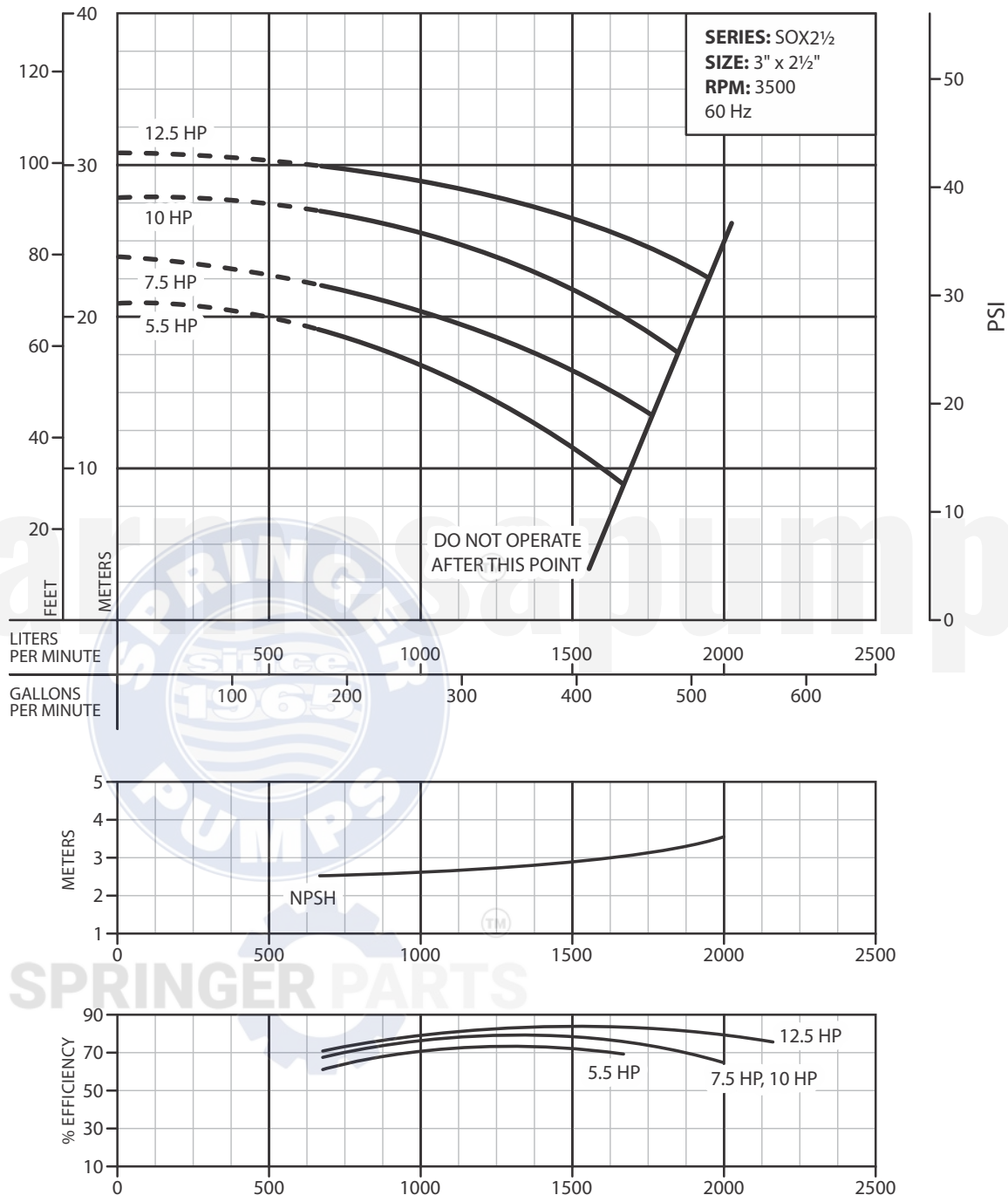
End-Suction Centrifugal 304 Stainless Steel
SOX series



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

PERFORMANCE CURVES

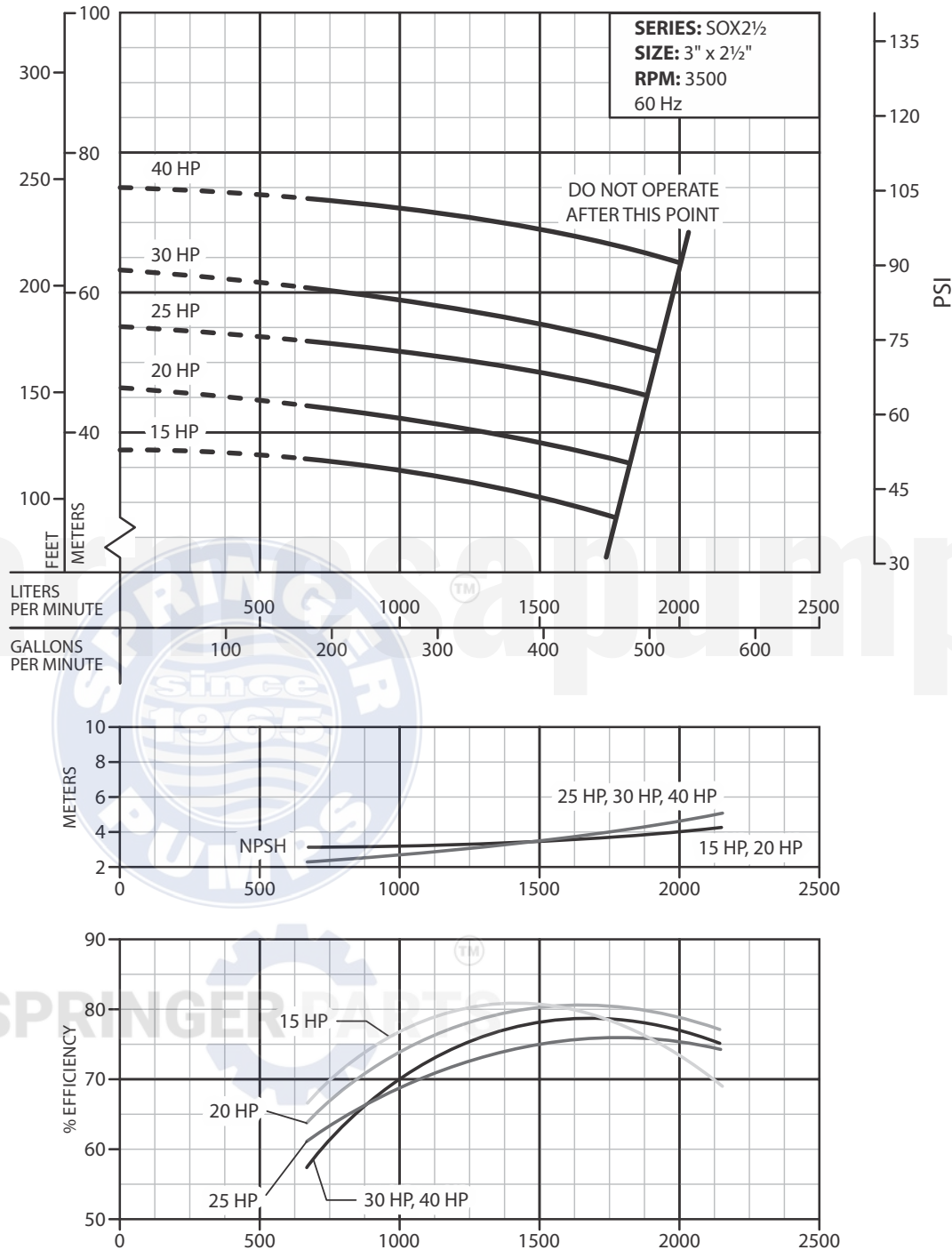
End-Suction Centrifugal 304 Stainless Steel
SOX series



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

PERFORMANCE CURVES

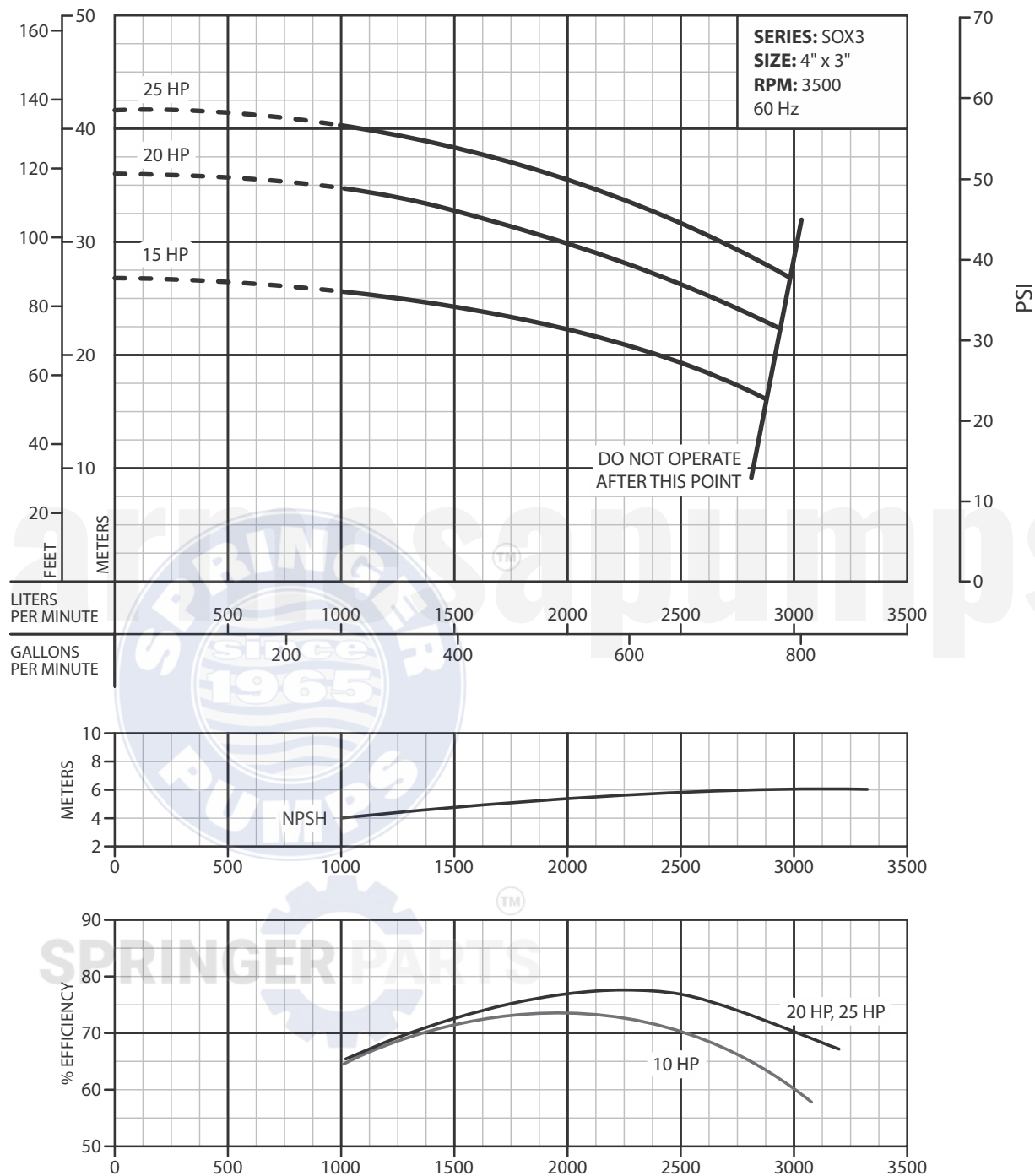
End-Suction Centrifugal 304 Stainless Steel
SOX series



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

PERFORMANCE CURVES

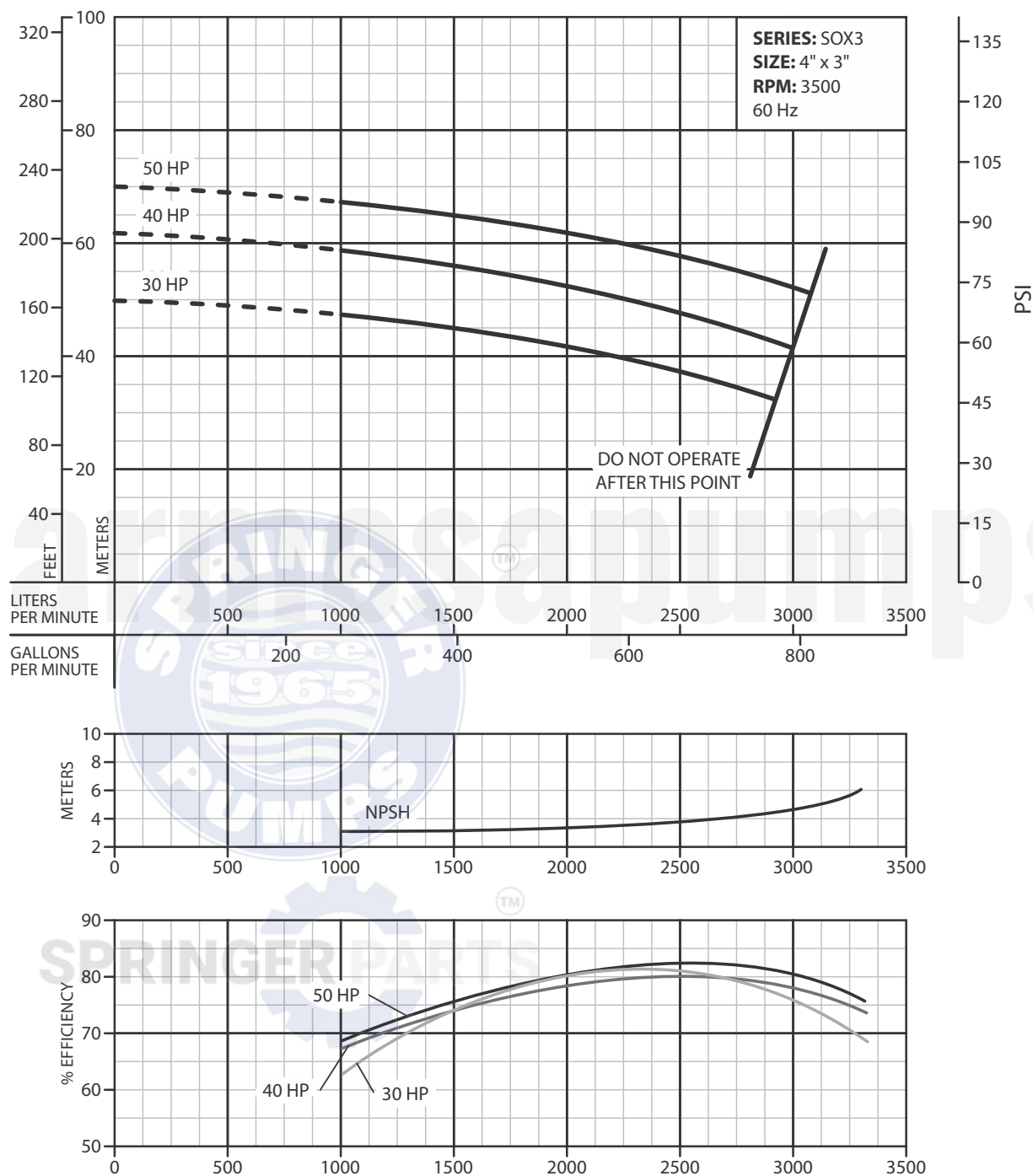
End-Suction Centrifugal 304 Stainless Steel
SOX series



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

PERFORMANCE CURVES

End-Suction Centrifugal 304 Stainless Steel
SOX series



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