



RSV – 13.06.EN

RSV – In-Line Vertical Multi-Stage, Ring Section Pumps

Technical Specification Pages

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1.0 **Overview.**

The RSV series is Carver's multi-stage pump for water with maximum working pressures below 440 PSI. For other clean liquids please contact Carver Pump Company or your local distributor. The standard RSV pump is available in 304 or 316 stainless steel construction with the RSV(G) available with a cast iron bottom casing. There are 7 basic sizes ranging up to 18 stages. Typical applications of RSV pumps are as follows: water supply, reverse osmosis, water boosting, washing systems, firefighting, water treatment plants, boiler feed, hot and cold water, circulation, irrigation, sprinkler systems, filtration and heat exchangers.

Below are some of the standard features of the RSV series:

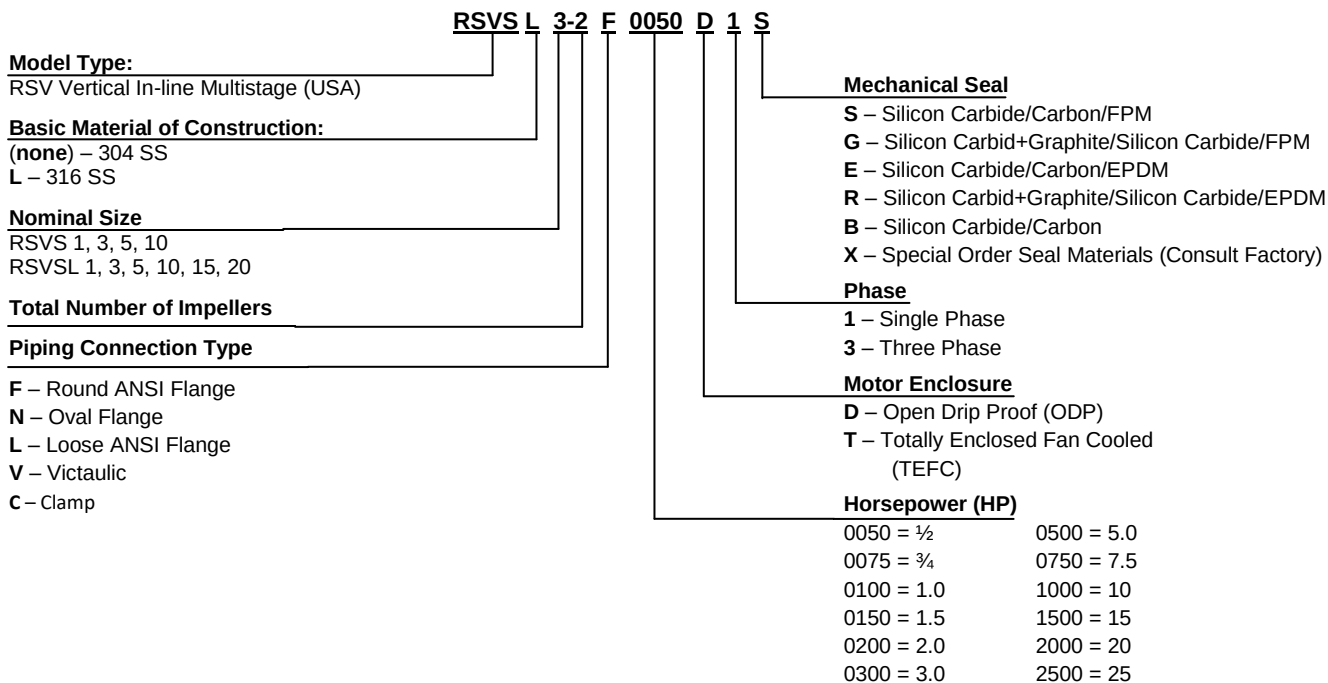
- **Standard NEMA motors**
- **Integral thrust bearing on 5 HP and larger pumps to handle axial thrust loads**
- **Air vent** in casing cover allows proper venting preventing air entrapment and dry run
- **Liner ring** is a self-aligning, floating design constructed to prevent swelling at high temperatures
- **Tungsten carbide lower pump bearings** and sleeves are standard construction for all services, providing maximum operating life
- **Direct drive** pump and motor shafts are keyed for positive, reliable power transmission with no adjustments necessary
- **"Flexible" floating outer casing** allows for thermal expansion in hot water applications, preventing deformation due to pressure fluctuations
- **Anti-erosion measures** – a dish-shaped insert is fitted to the intermediate casing designed to promote smooth flow and prevent high velocity areas that accelerate that erosion
- **Square-edge four spline shaft** (RSVS1-20) or twelve spline shaft (RSV32-64) provides positive location and drive of impellers, eliminating wear
- **Dimensions & flanges** – installation is to market accepted dimensions for easy upgrade existing installations
- **Mechanical seal** – Silicon/Carbon/Viton mechanical shaft seal
- **Positive sealing** – O-rings between intermediate casings provide positive sealing and increased efficiencies

1.1 Ordering Code.

When ordering RSV pumps this **Ordering Code must be used**. Doing so enables us to accept orders quicker and to assure the timely and correctly manufacture of the desired pump.

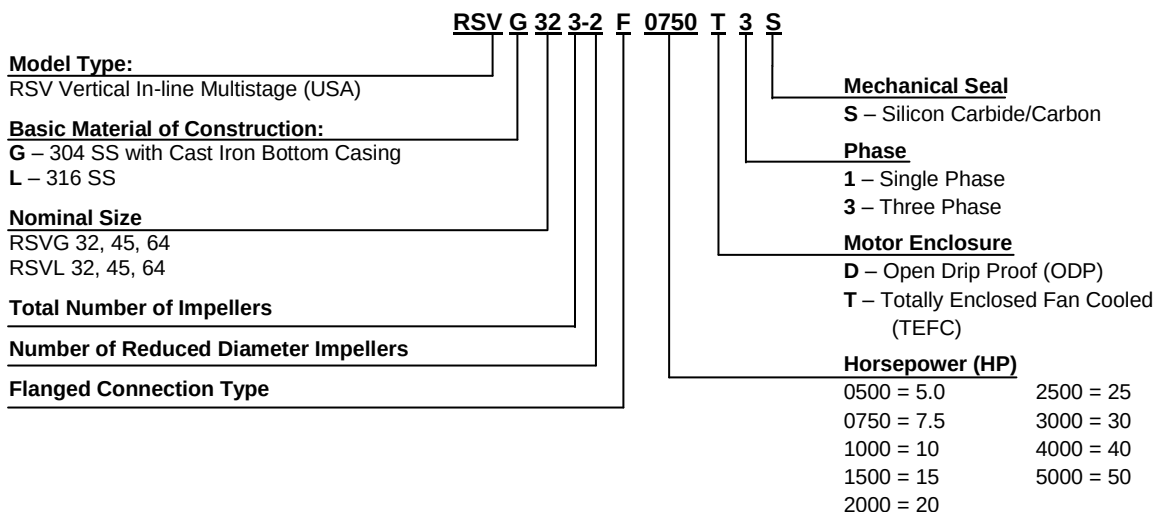
Models RSVS 1, 3, 5, 10, 15, 20

RSVSL 1, 3, 5, 10, 15, 20



Models RSVG 32, 45, 64

RSVL 32, 45, 64



1.2 Specifications.

Mechanical Data	
Size of Suction Flange - ANSI raised face	1-1/4 inch for RSVS1, 3 and 5 2 inch for RSVS10, 15 and 20 2-1/2 inch for RSV32 3 inch for RSV45 4 inch for RSV64
Size of Discharge Flange – ANSI raised face	1-1/4 inch for RSVS1, 3 and 5 2 inch for RSVS10, 15 and 20 2-1/2 inch for RSV32 3 inch for RSV45 4 inch for RSV64
Range of Horsepower (HP)	½ to 25HP for RSVS1, 3, 5, 10, 15, and 20 5 to 50HP for RSV32, 45, 64
Range of performance at 3450 RPM	
Capacity for RSVS1, 3, 5, 10, 15 and 20	2.9 to 132.1 GPM
Capacity for RSV32, 45, 64	66 to 390 GPM
Head for RSVS1, 3, 5, 10, 15 and 20	24.3 to 860 feet
Head for RSV32, 45, 64	44 to 930 feet
Liquid Handled	
Type of liquid	Clean Water (for all RSV pumps, for other clean liquids, consult the factory)
Temperature	5° to 248° F (-15° to 120° C) for all RSV Pumps

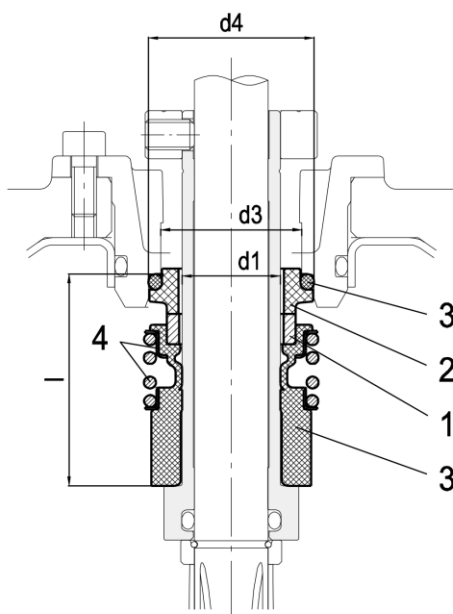
1.3 Pressure Limits.

Maximum Working Pressures	
Model	Maximum Working Pressure
RSVS1 2 through RSVS1 18	232 PSI
RSVS3 2 through RSVS3 15	
RSVS5 2 through RSVS5 12	
RSVS10 1 through RSVS10 10	
RSVS15 1 through RSVS15 7	
RSVS20 1 through RSVS20 6	
RSV32 1 through RSV32 4	232 PSI
RSV 45 1 through RSV45 3	
RSV64 1 through RSV64 3	
RSVS1 20 through RSVS1 29	360 PSI
RSVS3 16 through RSVS3 23	
RSVS5 13 through RSVS5 19	
RSVS10 11 through RSVS10 16	
RSVS15 8 through RSVS15 12	
RSVS20 8 through RSVS20 10	360 PSI
RSV32 5 through RSV32 8	
RSV 45 4 through RSV 45 7	
RSV64 4	440 PSI
RSV32 9 through RSV 32 10	

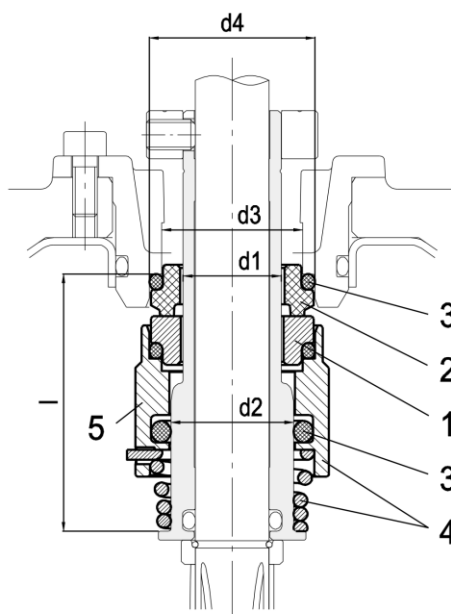
Motor Data	
Type	NEMA C/TC/TSC Frame, TEFC Enclosure
Speed	60Hz, 3450 RPM (2 poles)
3 Phase	208-230/460V
Direction of Rotation	Clockwise when viewed from motor end.

1.4 Seal Arrangement.

Mechanical Seal Size for RSVS1, 3, 5, 10, 15, 20.



up to 230 PSI
Cartridge Unbalanced type



from 230 to 360 PSI
Cartridge Balanced type

Pump model	Operating temperature range	Shaft seal type		Shaft seal material					Type key
		Cartridge		1	2	3	4	5	
		Unbalanced	Balanced	Rotating Part	Stationary Part	Elastomers	Compression spring	Collar	
230 PSI	- 22°F to + 248°F	○		SiC	Carbon	EPDM	AISI 316		E
	- 22°F to + 248°F	●		SiC	Carbon	FPM	AISI 316		S
	- 22°F to + 248°F*		○	SiC with graphite	SiC	EPDM	AISI 316		R
	- 22°F to + 248°F*		○	SiC with graphite	SiC	FPM	AISI 316		G
	- 22°F to + 248°F		○	SiC	Carbon	EPDM	AISI 316		B
360 PSI	- 22°F to + 248°F		○	SiC	Carbon	EPDM	AISI 316		E
	- 22°F to + 248°F		●	SiC	Carbon	FPM	AISI 316		S
	- 22°F to + 248°F*		○	SiC with graphite	SiC	EPDM	AISI 316		R
	- 22°F to + 248°F*		○	SiC with graphite	SiC	FPM	AISI 316		G

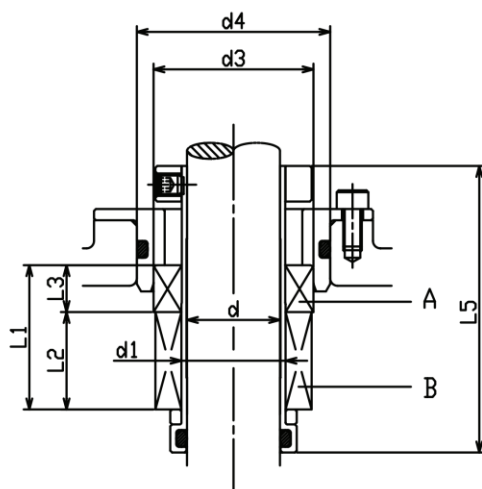
*Operation above 248°F is possible under certain conditions. Consult factory for details.

NOTE: Refer to selection tables on pages 9 and 10 for working pressure by model.

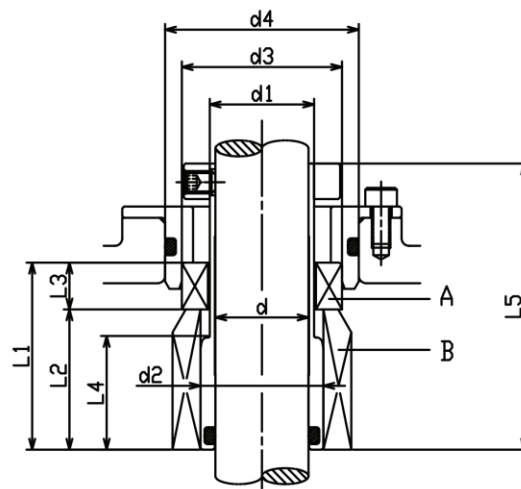
Pump model	Shaft seal type		Max operating pressure	d1 [in]	d2 [in]	d3 [in]	d4 [in]	l [in]
RSVS(L) 1/3/5	Cartridge	Unbalanced	230 PSI	0.630	-	0.906	1.063	1.378
		Balanced	360 PSI		0.787			1.673
RSVS(L) 10/15/20	Cartridge	Unbalanced	230 PSI	0.787	-	1.142	1.378	1.476
		Balanced	360 PSI		0.945			1.772

Dimensions conform to standard EN12756

Mechanical Seal Size for RSV32, 45, 64.



working pressure to 370 PSI
Standard Seal



working pressure to 440 PSI
Standard Seal

Size (inch)	Max. working pressure (psi)	d (inch)	d1 (inch)	d2 (inch)	d3 (inch)	d4 (inch)	L1 (inch)	L2 (inch)	L3 (inch)	L4 (inch)	L5 (inch)	Material			
												A stationary seal ring	B rotary seal ring	elastomer	spring
1.102	232	0.984	1.102	—	1.693	2.047	1.535	1.043	0.492	—	2.894	Carbon graphite	Silicon Carbide	FPM	316 Ti
	370			1.299			1.969	1.516	0.453	1.181					
	440			—			—	—	—	—					

Model	Maximum Working Pressure
RSV32 1 through RSV32 4-3	232 PSI
RSV 45 1-1 through RSV45 3	
RSV64 1-1 through RSV64 3	
RSV32 5 through RSV32 8-3	370 PSI
RSV 45 4-1 through RSV 45 7-2	
RSV64 4-2 through RSV64 4	
RSV32 9 through RSV 32 10-1	440 PSI

1.5 Materials of Construction.

The standard RSV materials and material specifications are given in the tables below:

RSVS1, 3, 5, 10, 15, 20 Key Component Materials	
Component	Material
Impeller	AISI 304
Intermediate Casing	AISI 304
Bottom Casing	AISI 304
Casing Cover	AISI 304
Outer Casing	AISI 304
Shaft	AISI 316
Liner Ring	PTFE/AISI 316
Motor Bracket	Cast Iron/304
Base	Cast Iron/ 304
Pump Bearing	Sealed Ball Bearing/Tungsten Carbide
Shaft Seal	Silicon/Carbide/Carbon/FPM (See Paragraph 1.3 for construction details)
Mechanical Seal	

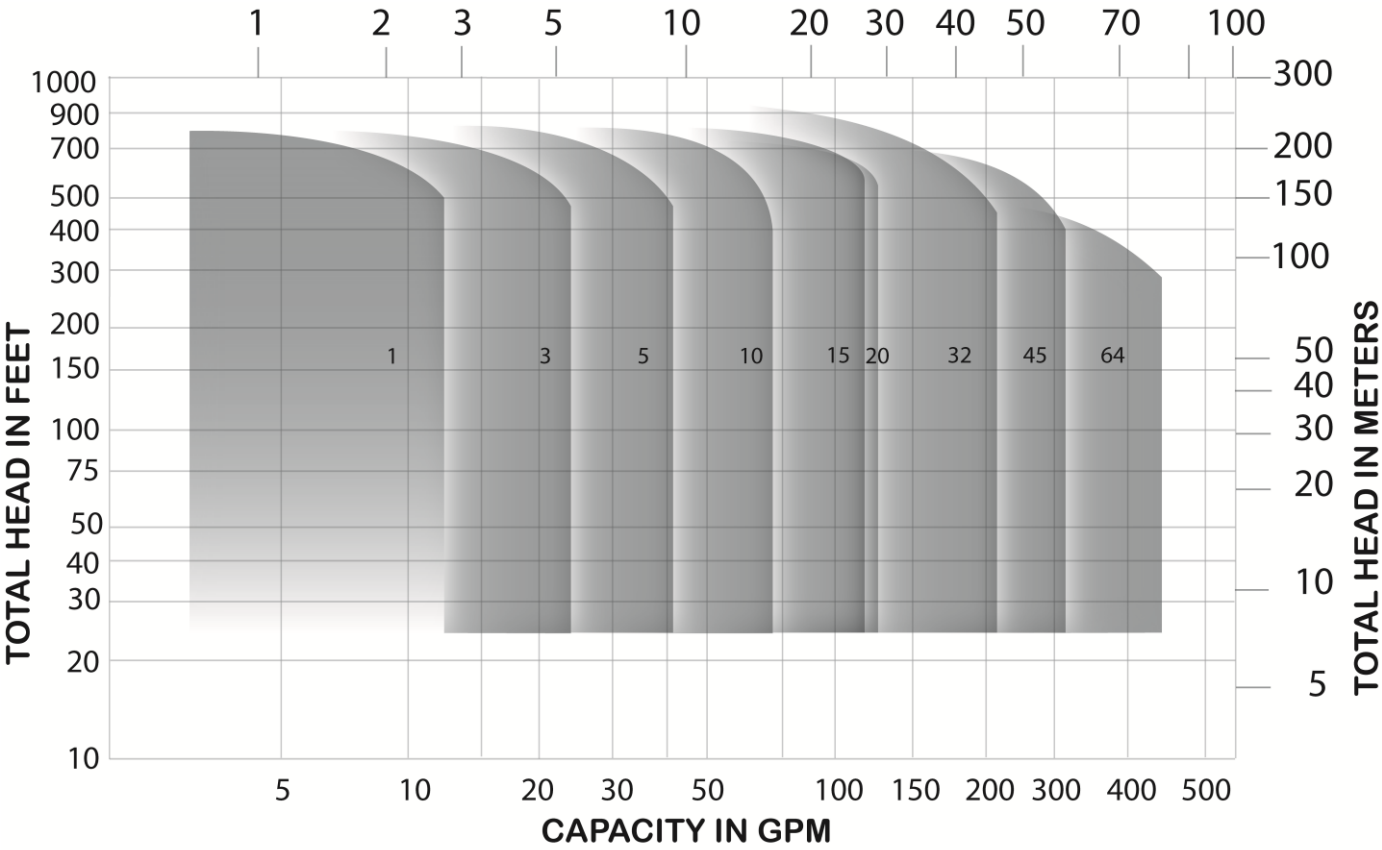
RSVSL1, 3, 5, 10, 15, 20 Key Component Materials	
Component	Material
Impeller	AISI 316
Intermediate Casing	AISI 316
Bottom Casing	AISI 316
Casing Cover	AISI 316
Outer Casing	AISI 316
Shaft	AISI 316
Liner Ring	PTFE/AISI 316
Motor Bracket	Cast Iron/316
Base	Cast Iron/ 316
Pump Bearing	Sealed Ball Bearing/ Tungsten Carbide
Shaft Seal	Silicon/Carbide/Carbon/FPM (See Paragraph 1.3 for construction details)
Mechanical Seal	

RSVG32, 45, 64 Key Component Materials	
Component	Material
Impeller	AISI 304
Intermediate Casing	AISI 304
Bottom Casing	Cast Iron
Casing Cover	Cast Iron
Outer Casing	AISI 304
Shaft	AISI 316
Liner Ring	PTFE/AISI 316
Motor Bracket	Cast Iron
Base	Cast Iron
Pump Bearing	Thrust Bearing: Sealed Ball Bearing Radial Bearing in Wet End: Tungsten Carbide
Shaft Seal	Silicon/Carbide/Carbon/FPM (See Paragraph 1.3 for construction details)
Mechanical Seal	

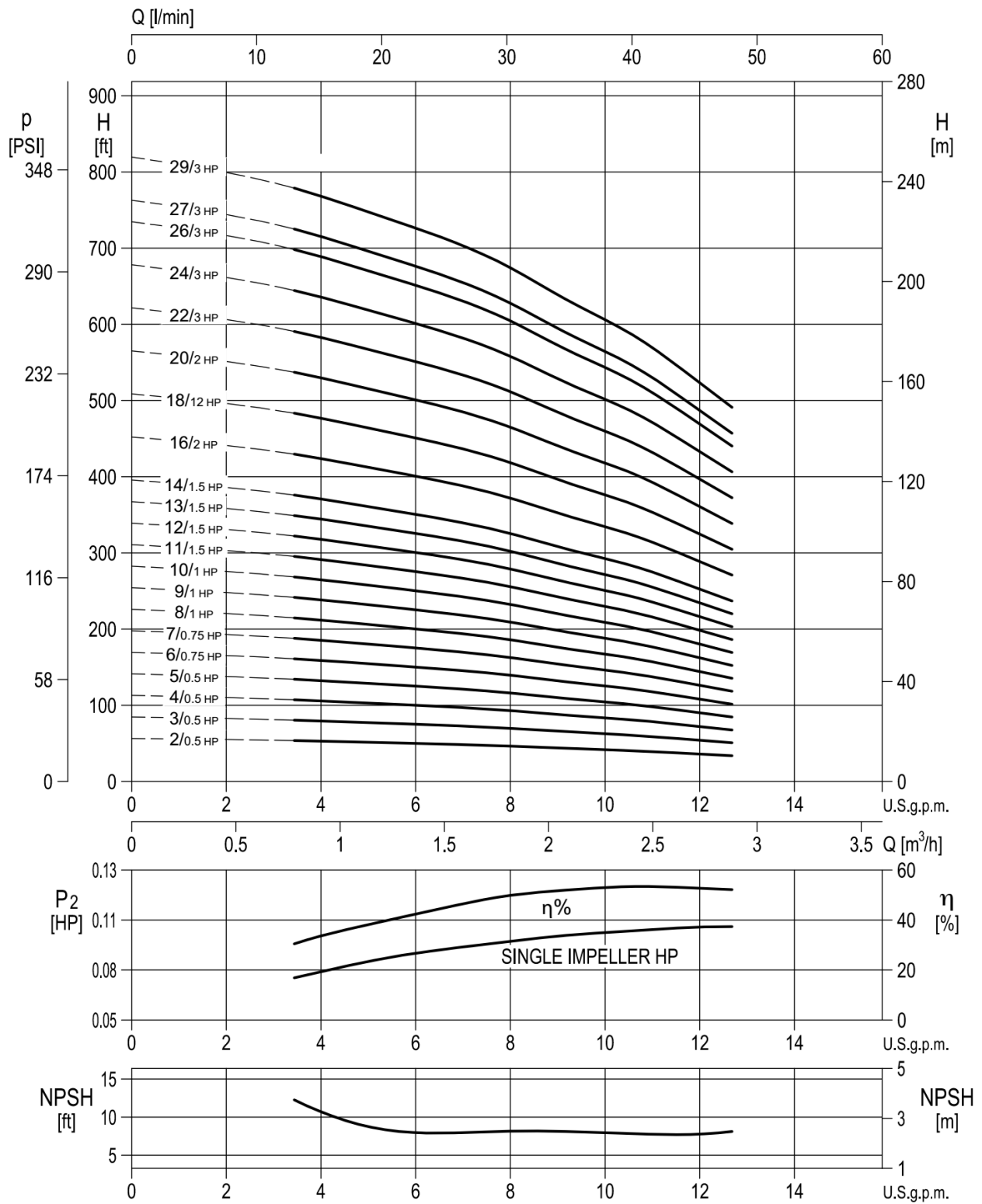
RSVL32, 45, 64 Key Component Materials	
Component	Material
Impeller	AISI 316
Intermediate Casing	AISI 316
Bottom Casing	AISI 316
Casing Cover	AISI 316
Outer Casing	AISI 316
Shaft	AISI 316
Liner Ring	PTFE/AISI 316
Motor Bracket	Cast Iron/316
Base	Cast Iron/316
Pump Bearing	Thrust Bearing: Sealed Ball Bearing Radial Bearing in Wet End: Tungsten Carbide
Shaft Seal	Silicon/Carbide/Carbon/FPM (See Paragraph 1.3 for construction details)
Mechanical Seal	

Performance Curves.

Selection Chart 60 Hz, Synchronous Speed 3450 RPM for Model RSVS/RSV

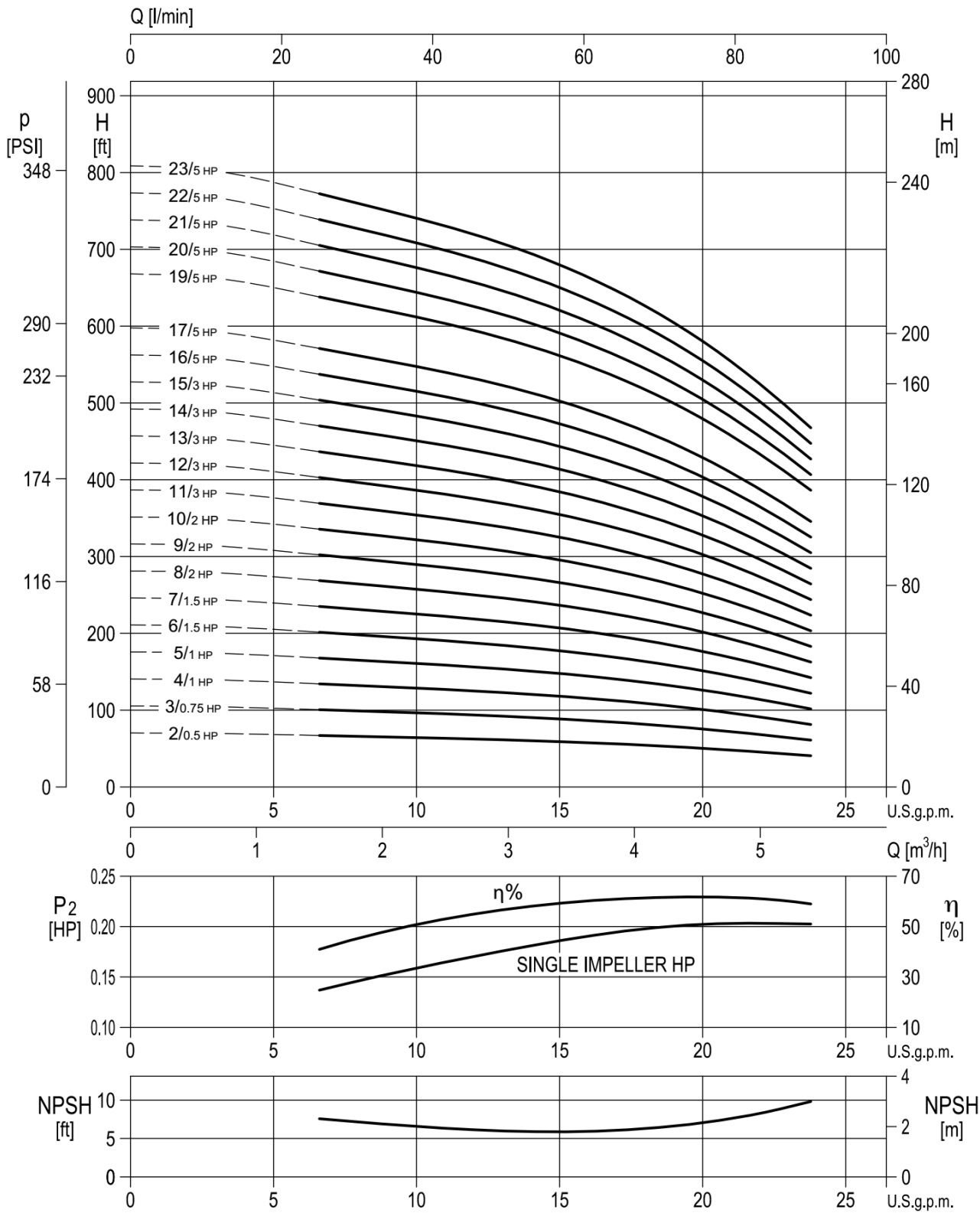


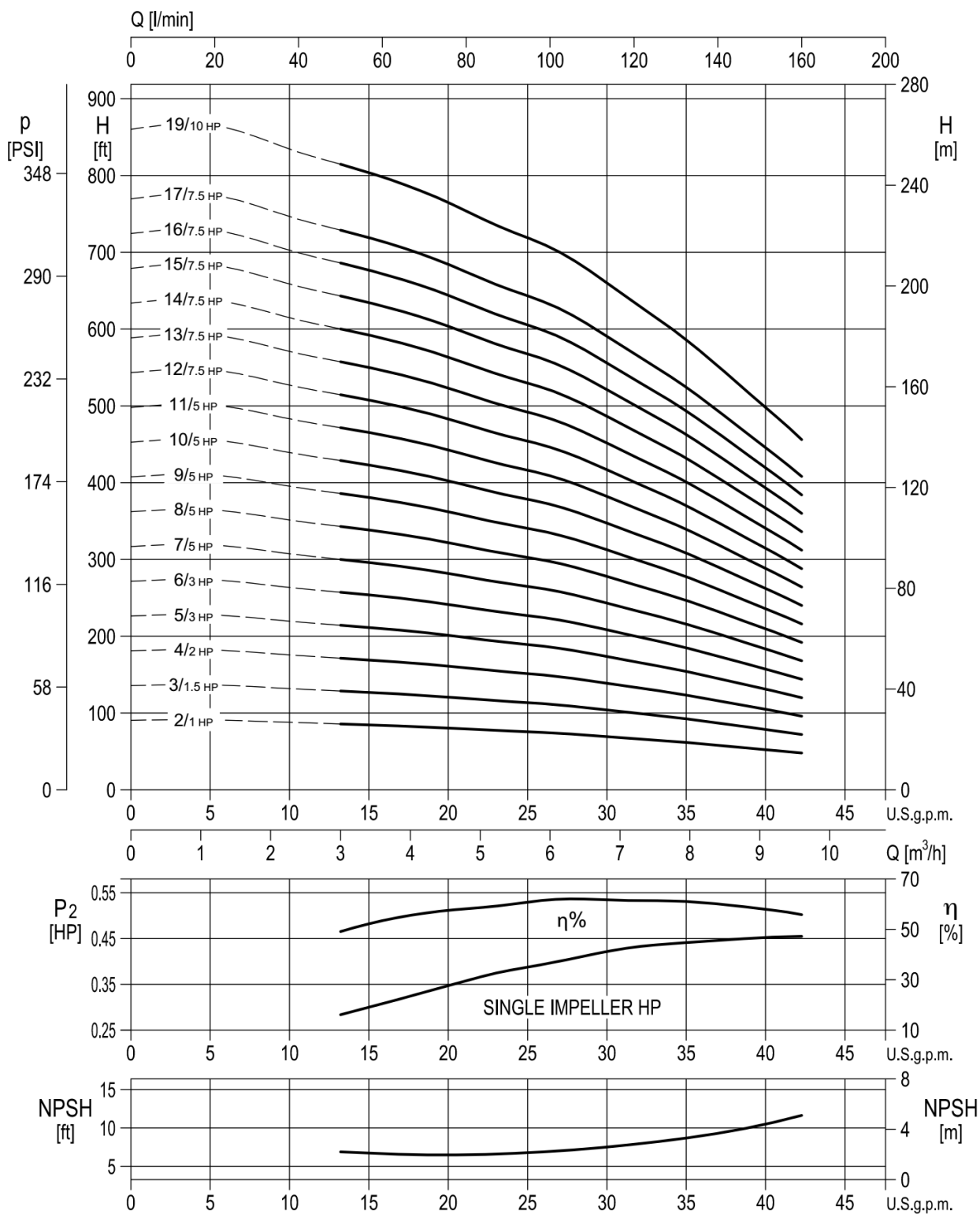
*All curves shown above are single pump performance.

Model RSVS/RSVS(L) Performance Curves RSVS1 1/2 HP – 3 HP**RSVS1 2 – RSVS1 29, Synchronous Speed: 3500 RPM, 300# ANSI 1-1/4 inch 4-Bolt**

Model RSVS/RSVS(L) Performance Curves RSVS3 1/2 HP – 5 HP

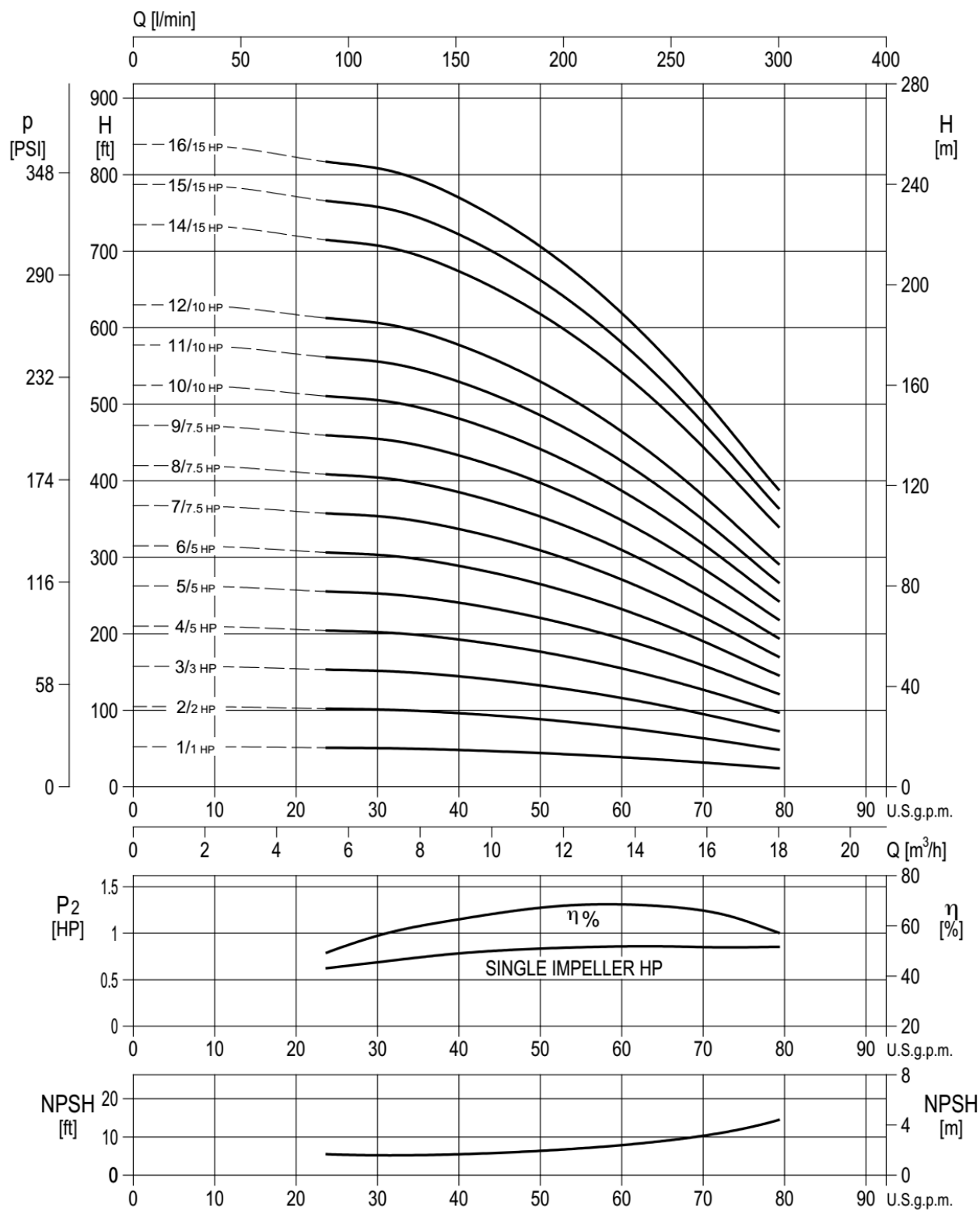
RSVS3 2 – RSVS3 23, Synchronous Speed: 3500 RPM, 300# ANSI 1-1/4 inch 4-Bolt

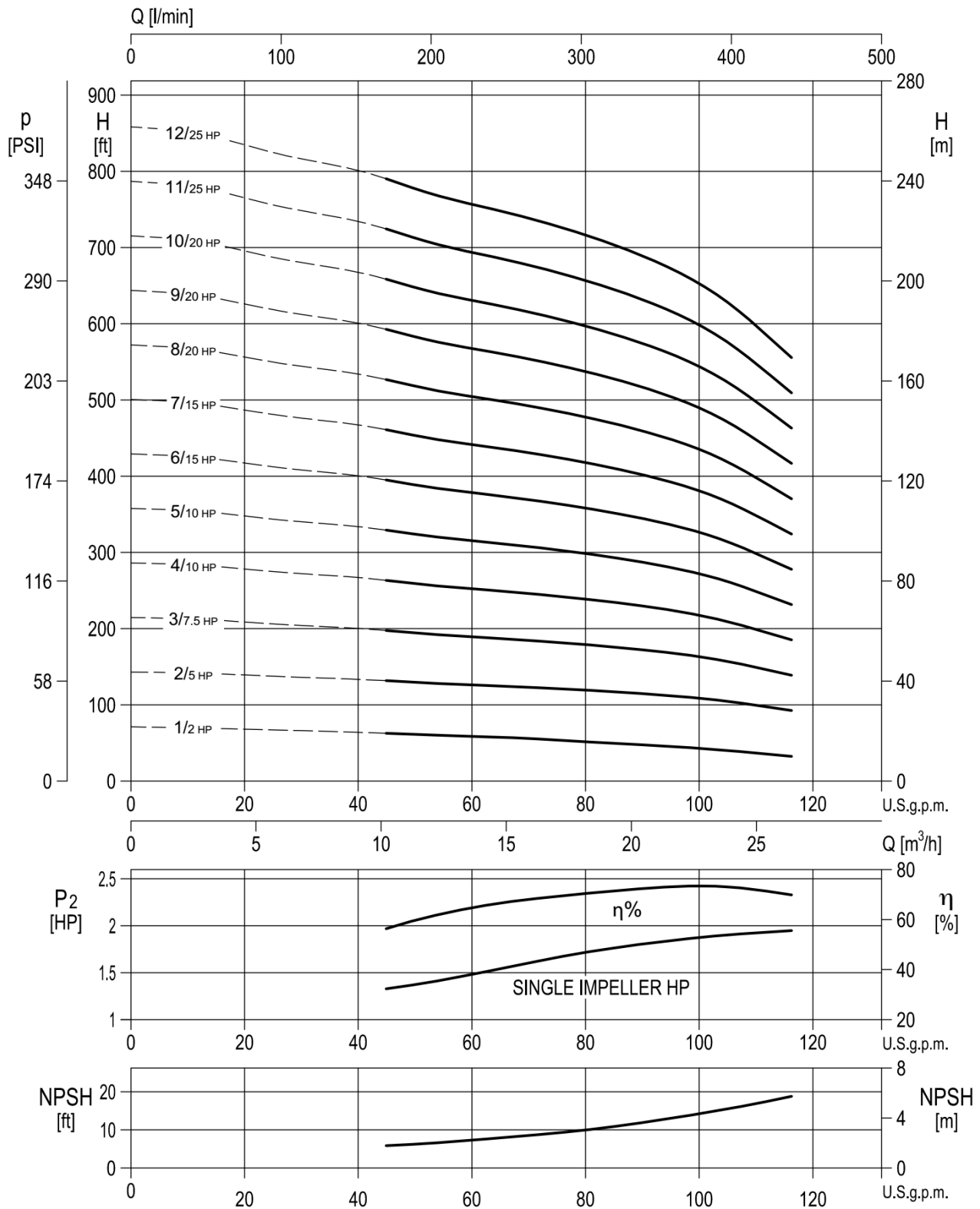


Model RSVS/RSVS(L) Performance Curves RSVS5 1 HP – 10 HP**RSVS5 2 – RSVS5 19, Synchronous Speed: 3500 RPM, 300# ANSI 1-1/4 inch 4-Bolt**

Model RSVS/RSVS(L) Performance Curves RSVS10 1 HP – 15 HP

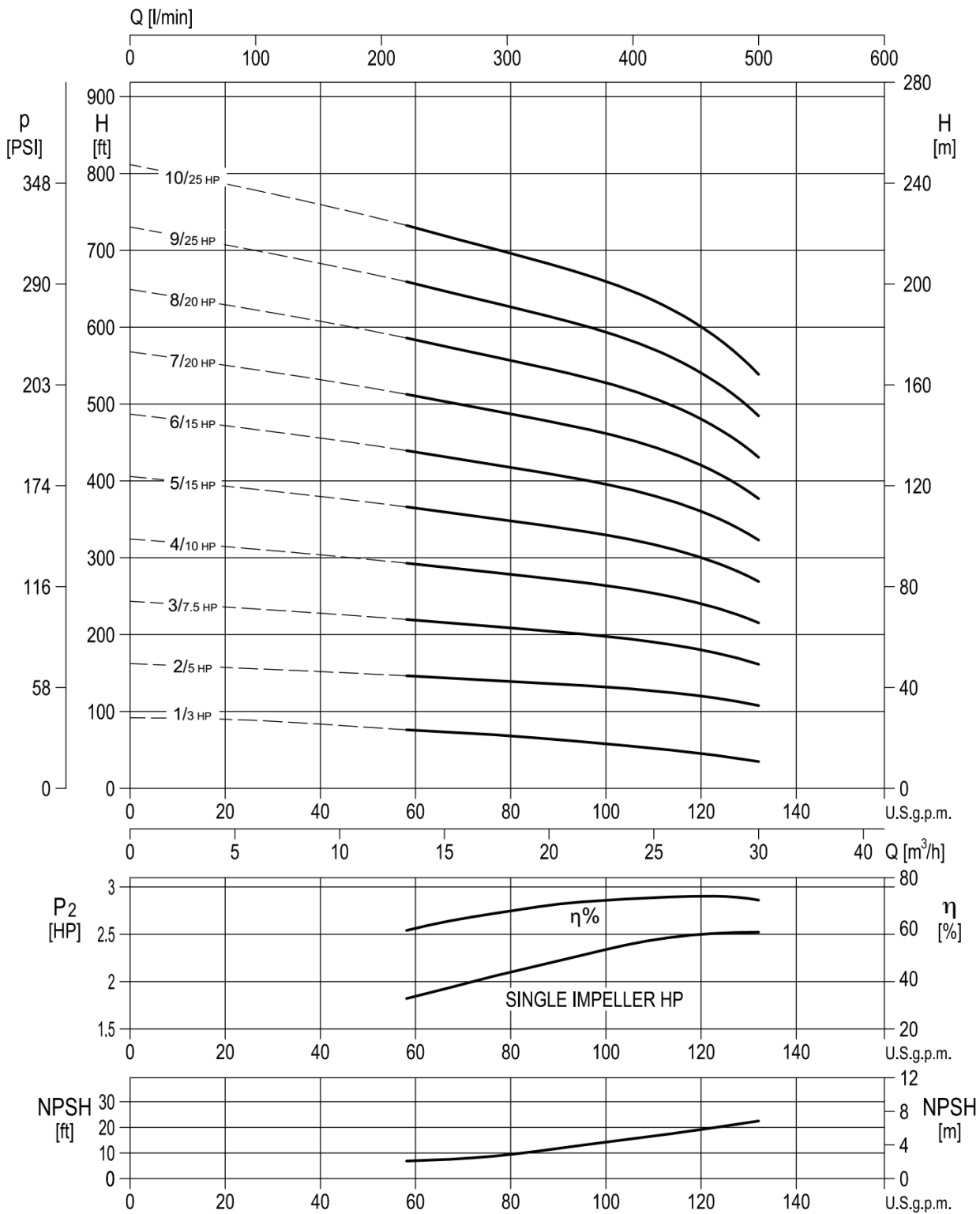
RSVS10 1 – RSVS10 16, Synchronous Speed: 3500 RPM, 300# ANSI 2 inch 8-Bolt

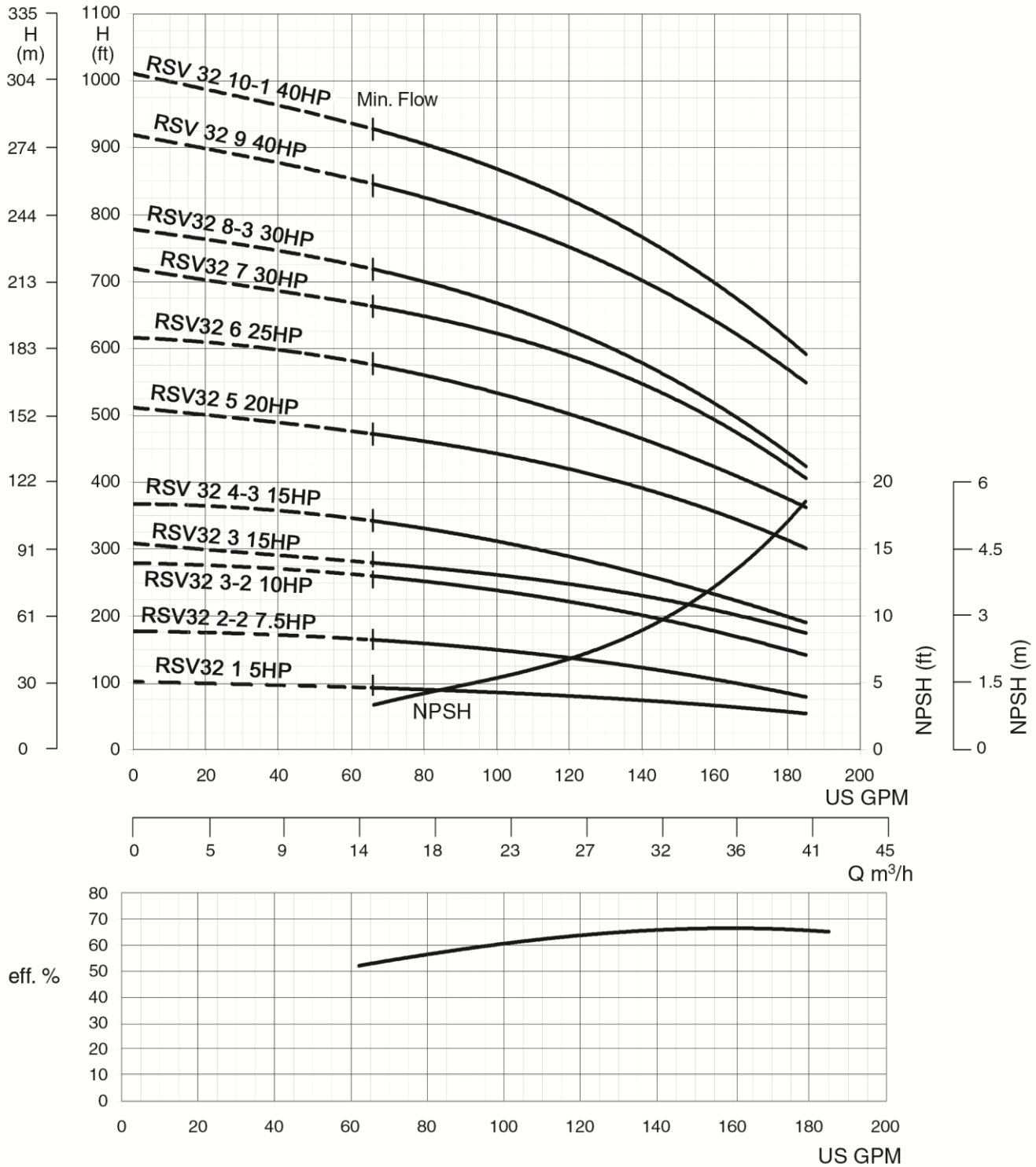


Model RSVS/RSVS(L) Performance Curves RSVS15 2 HP – 25HP**RSVS15 1 – RSVS15 12, Synchronous Speed: 3500 RPM, 300# ANSI 2 inch 8-Bolt**

Model RSVSG/RSVS(L) Performance Curves RSVS20 3 HP – 25 HP

RSVS20 1 – RSVS20 10, Synchronous Speed: 3500 RPM, 300# ANSI 2 inch 8-Bolt



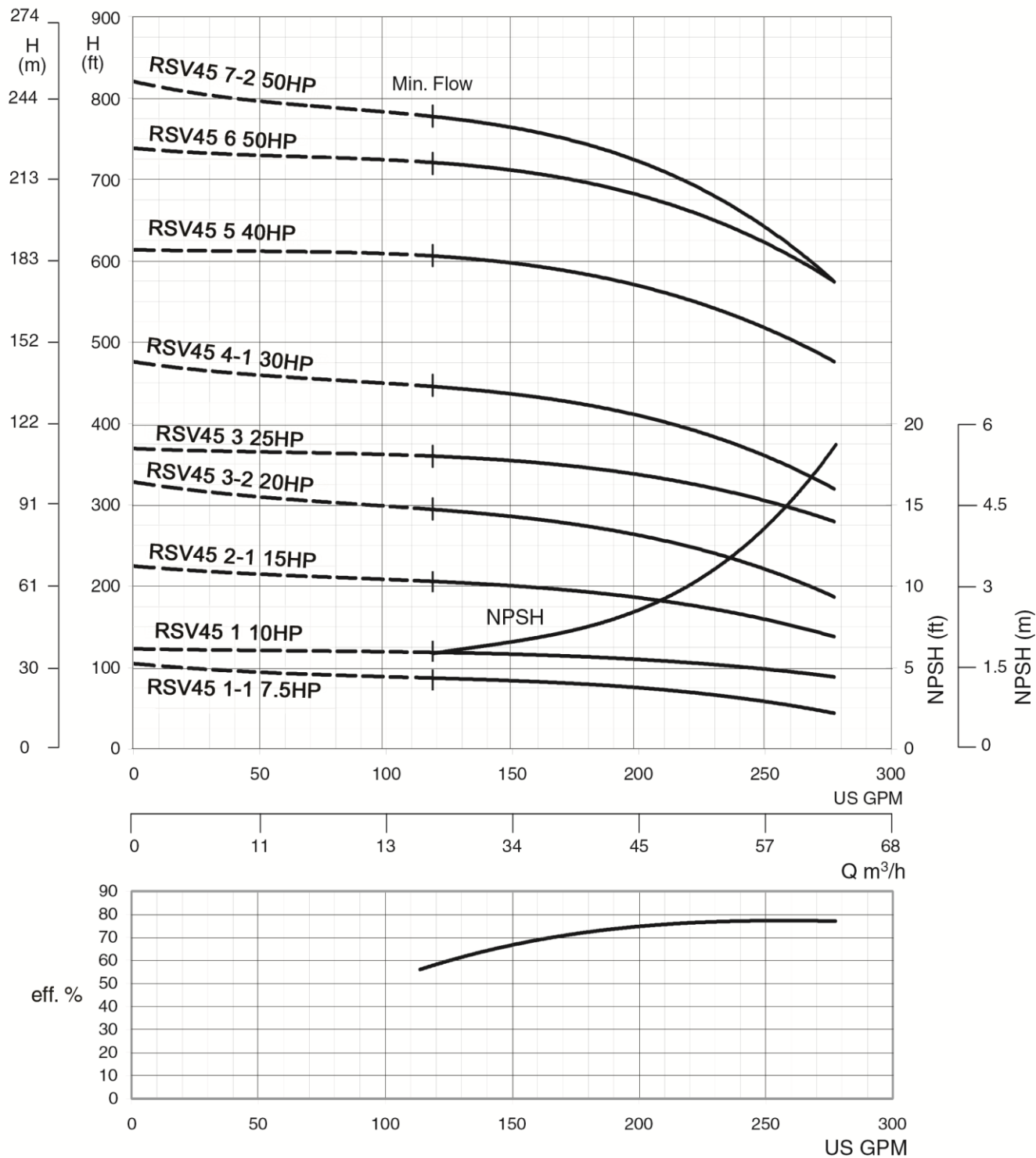
Model RSVG/RSV(L) Performance Curves RSV32 5 HP – 40 HP**RSV32 1 – RSV32 4-3, Synchronous Speed: 3500 RPM, 150# ANSI 2-1/2 inch 4-Bolt****RSV32 5 – RSV32 10-1, Synchronous Speed: 3500 RPM, 300# ANSI 2-1/2 inch 8-Bolt**

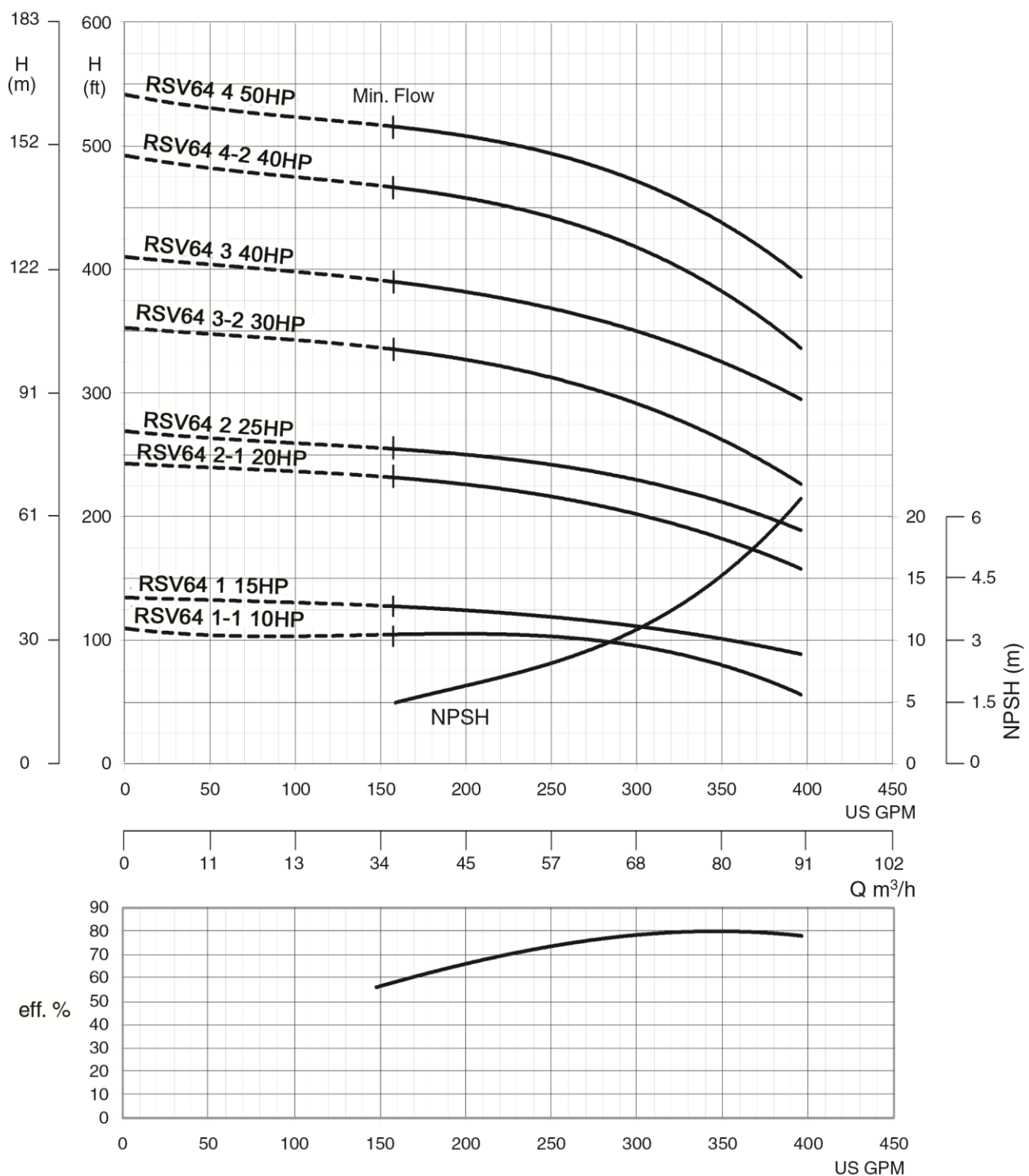
Water Temperature: 20° C (68° F)

Model RSVG/RSV(L) Performance Curves RSV45 7.5 HP – 50 HP

RSV45 1-1 – RSV45 3, Synchronous Speed: 3500 RPM, 150# ANSI 3 inch 4-Bolt

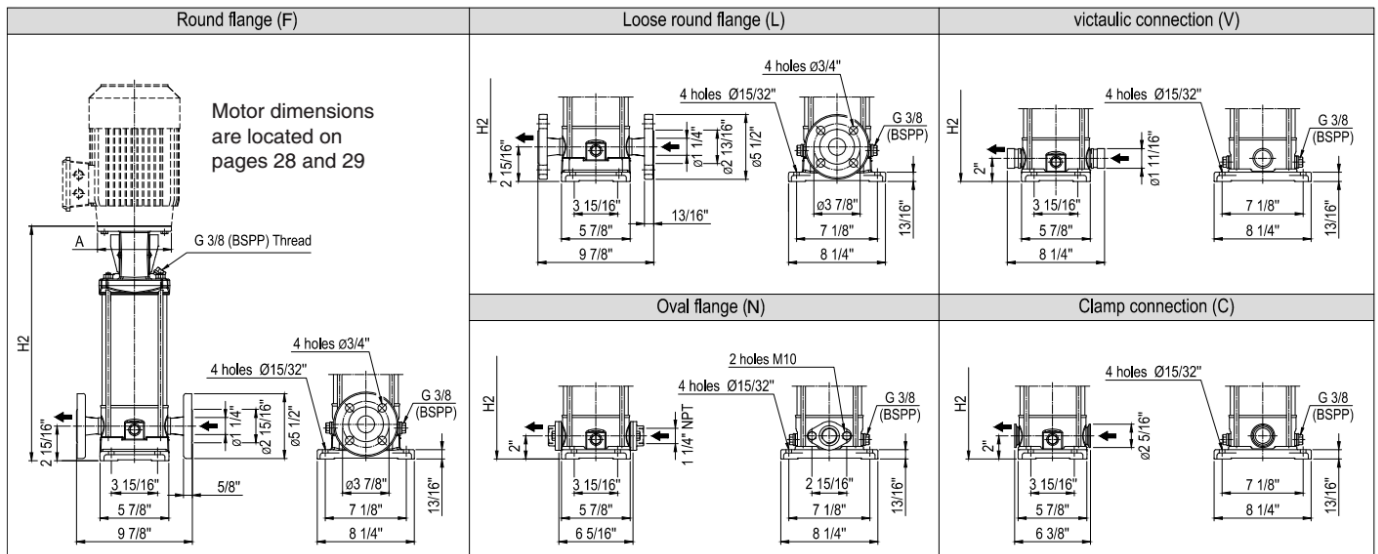
RSV45 4-1 – RSV45 7-2, Synchronous Speed: 3500 RPM, 300# ANSI 3 inch 8-Bolt



Model RSV(G)/RSV(L) Performance Curves RSV64 10 HP – 50HP**RSV64 1-1 – RSV64 4, Synchronous Speed: 3500 RPM, 300# ANSI 4 inch 8-Bolt**

Dimensions Model RSVS/RSVS(L)

Models RSVS(L)1

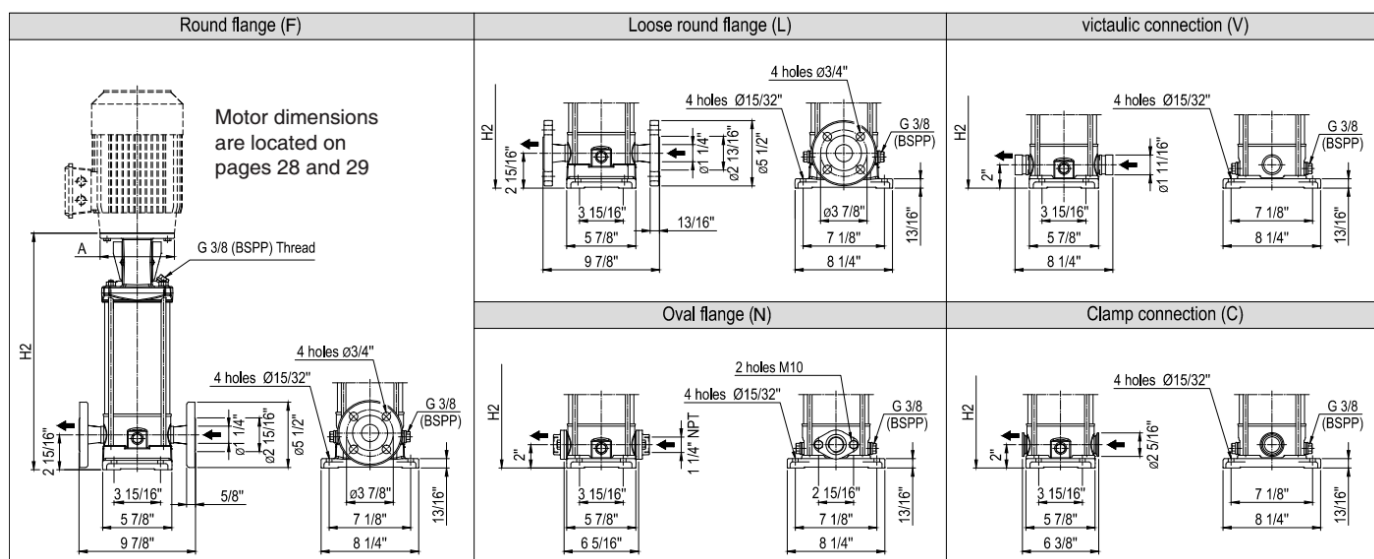


RSVS(L)1		Motor Frame						Oval Flange (N)				Loose Round Flange (LF) Round Flange (F)				Victaulic Connection (V) Clamp Connection (C)			
Pump Type	Pmax [PSI]	HP	TEFC NEMA Frame	A	HP	TEFC NEMA Frame	A	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight
RSVS(L)1-2	230	0.5	56C	4 1/2"	0.5	56C	4 1/2"	10 7/8"	23.6	10 7/8"	23.6	11 7/8"	25.1	11 7/8"	25.1	10 7/8"	23.6	11 7/8"	23.6
RSVS(L)1-3	230	0.5	56C	4 1/2"	0.5	56C	4 1/2"	11 3/4"	24.7	11 3/4"	24.7	12 11/16"	26.2	12 11/16"	26.2	11 3/4"	24.4	12 11/16"	24.4
RSVS(L)1-4	230	0.5	56C	4 1/2"	0.5	56C	4 1/2"	12 9/16"	25.5	12 9/16"	25.5	13 9/16"	27.1	13 9/16"	27.1	12 9/16"	25.3	13 9/16"	25.3
RSVS(L)1-5	230	0.5	56C	4 1/2"	0.5	56C	4 1/2"	13 3/8"	26.7	13 3/8"	26.7	14 3/8"	28	14 3/8"	28	13 3/8"	26.4	14 3/8"	26.4
RSVS(L)1-6	230	0.75	56C	4 1/2"	0.75	56C	4 1/2"	14 3/16"	27.5	14 3/16"	27.5	15 3/16"	28.9	15 3/16"	28.9	14 3/16"	27.3	15 3/16"	27.3
RSVS(L)1-7	230	0.75	56C	4 1/2"	0.75	56C	4 1/2"	15"	28.7	14 5/8"	28.7	16"	30	15 5/8"	30	15"	28.5	15 5/8"	28.5
RSVS(L)1-8	230	1	56C	4 1/2"	1	56C	4 1/2"	15 7/8"	29.6	15 7/8"	29.6	16 13/16"	31.2	16 7/8"	31.2	15 7/8"	29.4	16 7/8"	29.4
RSVS(L)1-9	230	1	56C	4 1/2"	1	56C	4 1/2"	16 11/16"	30.5	16 11/16"	30.5	17 11/16"	32	17 11/16"	32	16 11/16"	30.5	17 11/16"	30.5
RSVS(L)1-10	230	1	56C	4 1/2"	1	56C	4 1/2"	17 1/2"	31.6	17 1/2"	31.6	18 1/2"	32.9	18 1/2"	32.9	17 1/2"	31.4	18 1/2"	31.4
RSVS(L)1-11	230	1.5	56C	4 1/2"	1.5	56C	4 1/2"	18 5/16"	32.5	18 5/16"	32.5	19 5/16"	34	19 5/16"	34	18 5/16"	32.3	19 5/16"	32.3
RSVS(L)1-12	230	1.5	56C	4 1/2"	1.5	56C	4 1/2"	19 3/16"	33.4	19 3/16"	33.4	20 1/8"	34.9	20 1/8"	34.9	19 3/16"	33.4	20 1/8"	33.4
RSVS(L)1-13	230	1.5	56C	4 1/2"	1.5	56C	4 1/2"	20"	34.9	20"	34.9	21"	36.4	21"	36.4	20"	34.9	21"	34.9
RSVS(L)1-14	230	1.5	56C	4 1/2"	1.5	56C	4 1/2"	20 13/16"	35.8	20 13/16"	35.8	21 13/16"	37.3	21 13/16"	37.3	20 13/16"	35.8	21 13/16"	35.8
RSVS(L)1-16	230	2	56C	4 1/2"	2	56C	4 1/2"	22 7/16"	37.7	22 7/16"	37.7	23 7/16"	39.2	23 7/16"	39.2	22 7/16"	37.7	23 7/16"	37.7
RSVS(L)1-18	230	2	56C	4 1/2"	2	56C	4 1/2"	24 1/8"	39.7	24 1/8"	39.7	25 1/8"	41.2	25 1/8"	41.2	24 1/8"	39.7	25 1/8"	39.7
RSVS(L)1-20	360	2	56C	4 1/2"	2	56C	4 1/2"	-	-	-	-	26 3/4"	43.2	26 3/4"	43.2	25 3/4"	41.7	26 3/4"	41.7
RSVS(L)1-22	360	3	143TC	8 1/2"	3	56C	4 1/2"	-	-	-	-	31 15/16"	51.9	28 7/16"	46.3	30 15/16"	50.4	28 7/16"	44.7
RSVS(L)1-24	360	3	143TC	8 1/2"	3	56C	4 1/2"	-	-	-	-	33 9/16"	54.1	30 1/16"	48.5	32 9/16"	52.6	30 1/16"	46.9
RSVS(L)1-26	360	3	143TC	8 1/2"	3	56C	4 1/2"	-	-	-	-	35 1/4"	56.1	31 3/4"	50.5	34 1/4"	64.5	31 3/4"	48.9
RSVS(L)1-27	360	3	143TC	8 1/2"	3	56C	4 1/2"	-	-	-	-	36 1/16"	57.2	32 9/16"	51.6	35 1/16"	55.6	32 9/16"	50
RSVS(L)1-29	360	3	143TC	8 1/2"	3	56C	4 1/2"	-	-	-	-	37 11/16"	59.2	34 3/16"	53.6	36 3/4"	57.6	34 3/16"	52

NOTE: For motor dimensions refer to page 19.

Dimensions Model RSVS/RSVS(L)

Models RSVS(L)3

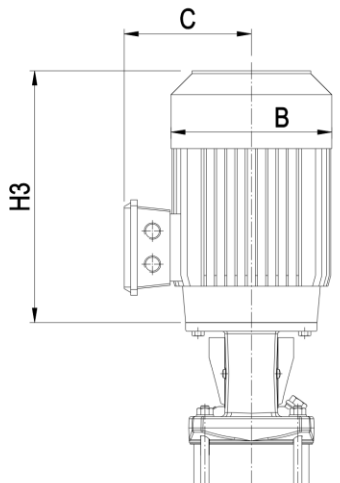


RSVS(L)1		Motor Frame						Oval Flange (N)				Loose Round Flange (LF) Round Flange (F)				Victaulic Connection (V) Clamp Connection (C)			
Pump Type	Pmax [PSI]	TEFC		ODP		H2	Pump Weight	TEFC		ODP		TEFC		ODP		TEFC		ODP	
		HP	NEMA Frame	A	HP			HP	NEMA Frame	A	HP	NEMA Frame	A	HP	NEMA Frame	A	HP	NEMA Frame	A
RSVS(L)3-2	230	0.5	56C	4 1/2"	0.5	56C	4 1/2"	11 7/8"	23.3	10 7/8"	23.3	11 7/8"	24.9	11 7/8"	24.9	10 7/8"	23.1	11 7/8"	23.1
RSVS(L)3-3	230	0.75	56C	4 1/2"	0.75	56C	4 1/2"	11 3/4"	24.2	11 3/4"	24.2	12 11/16"	25.8	12 11/16"	25.8	11 3/4"	24.2	12 11/16"	24.2
RSVS(L)3-4	230	1	56C	4 1/2"	1	56C	4 1/2"	12 9/16"	25.4	12 9/16"	25.4	13 9/16"	26.7	13 9/16"	26.7	12 9/16"	25.2	13 9/16"	25.2
RSVS(L)3-5	230	1	56C	4 1/2"	1	56C	4 1/2"	13 3/8"	26.3	13 3/8"	26.3	14 3/8"	27.8	14 3/8"	27.8	13 3/8"	26.1	14 3/8"	26.1
RSVS(L)3-6	230	1.5	56C	4 1/2"	1.5	56C	4 1/2"	14 3/16"	27.2	14 3/16"	27.2	15 3/16"	28.7	15 3/16"	28.7	14 3/16"	27	15 3/16"	27
RSVS(L)3-7	230	1.5	56C	4 1/2"	1.5	56C	4 1/2"	15"	28.1	15 1/16"	28.1	16"	29.6	16"	29.6	15"	28.1	16"	28.1
RSVS(L)3-8	230	2	56C	4 1/2"	2	56C	4 1/2"	15 7/8"	28.9	15 7/8"	28.9	16 13/16"	30.2	16 7/8"	30.2	15 7/8"	28.6	16 7/8"	28.6
RSVS(L)3-9	230	2	56C	4 1/2"	2	56C	4 1/2"	16 11/16"	29.7	16 11/16"	29.7	17 11/16"	31.1	17 11/16"	31.1	16 11/16"	29.5	17 11/16"	29.5
RSVS(L)3-10	230	2	56C	4 1/2"	2	56C	4 1/2"	17 1/2"	30.6	17 1/2"	30.6	18 1/2"	32.2	18 1/2"	32.2	17 1/2"	30.4	18 1/2"	30.4
RSVS(L)3-11	230	3	143TC	8 1/2"	3	56C	4 1/2"	21 13/16"	37.1	18 5/16"	31.5	22 13/16"	38.7	19 5/16"	33.1	21 13/16"	36.9	19 5/16"	31.3
RSVS(L)3-12	230	3	143TC	8 1/2"	3	56C	4 1/2"	22 11/16"	38	19 3/16"	32.4	23 5/8"	39.3	20 1/8"	33.7	22 11/16"	37.8	20 1/8"	32.2
RSVS(L)3-13	230	3	143TC	8 1/2"	3	56C	4 1/2"	23 1/2"	39.6	20"	33.9	24 1/2"	41.1	21"	35.5	23 1/2"	39.6	21"	33.9
RSVS(L)3-14	230	3	143TC	8 1/2"	3	56C	4 1/2"	24 5/16"	40.4	20 13/16"	34.8	25 5/16"	42	21 13/16"	36.4	24 5/16"	40.4	21 13/16"	34.8
RSVS(L)3-15	230	3	143TC	8 1/2"	3	182TC	8 1/2"	25 1/8"	41.2	24 13/16"	41.2	26 1/8"	42.5	25 13/16"	42.5	25 1/8"	40.9	25 13/16"	40.9
RSVS(L)3-16	360	5	184TC	8 1/2"	5	182TC	8 1/2"	-	-	-	-	26 15/16"	44.7	26 5/8"	44.7	26"	43.1	26 5/8"	43.1
RSVS(L)3-17	360	5	184TC	8 1/2"	5	182TC	8 1/2"	-	-	-	-	27 13/16"	45.8	27 7/16"	45.8	26 13/16"	44	27 7/16"	44
RSVS(L)3-19	360	5	184TC	8 1/2"	5	182TC	8 1/2"	-	-	-	-	29 7/16"	47.8	29 1/16"	47.8	28 7/16"	46	29 1/16"	46.0
RSVS(L)3-20	360	5	184TC	8 1/2"	5	182TC	8 1/2"	-	-	-	-	30 1/2"	48.7	29 15/16"	48.7	29 1/4"	47.1	29 15/16"	47.1
RSVS(L)3-21	360	5	184TC	8 1/2"	5	182TC	8 1/2"	-	-	-	-	31 1/16"	49.8	30 3/4"	49.8	30 1/8"	48	30 3/4"	48
RSVS(L)3-22	360	5	184TC	8 1/2"	5	182TC	8 1/2"	-	-	-	-	31 15/16"	50.6	31 9/16"	50.6	30 15/16"	49.1	31 9/16"	49.1
RSVS(L)3-23	360	5	184TC	8 1/2"	5	182TC	8 1/2"	-	-	-	-	32 3/4"	51.7	32 3/8"	51.7	31 3/4"	50	32 3/8"	50

NOTE: For motor dimensions refer to page 19.

Motor Dimensions

Models RSVS(L)1-3

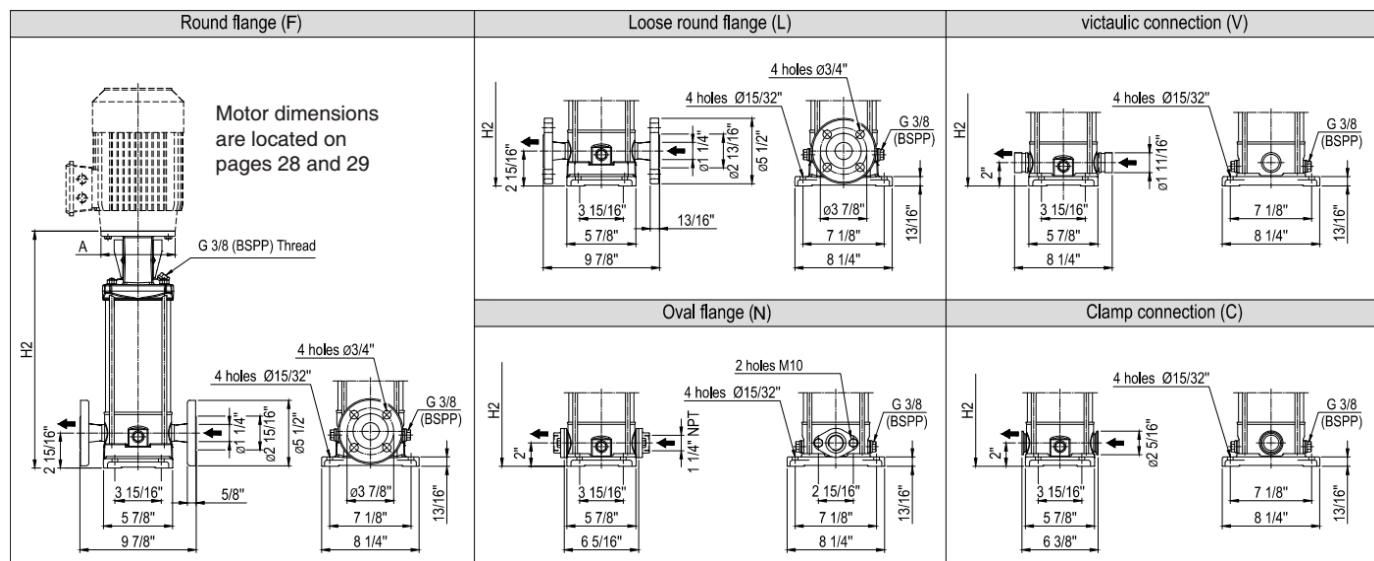


	Pump Type	Horsepower	NEMA Frame Size	TEFC Motor Dimensions			NEMA Frame Size	ODP Motor Dimensions		
				B	C	H3		B	C	H3
1	RSVS(L)1-2	0.5	56C	6 1/4"	5 1/4"	11 7/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)1-3	0.5	56C	6 1/4"	5 1/4"	11 7/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)1-4	0.5	56C	6 1/4"	5 1/4"	11 7/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)1-5	0.5	56C	6 1/4"	5 1/4"	11 7/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)1-6	0.75	56C	6 1/4"	5 1/4"	11 7/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)1-7	0.75	56C	6 1/4"	5 1/4"	11 7/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)1-8	1	56C	7 1/4"	5 1/4"	13 5/8"	56C	6 3/16"	5 1/16"	11 1/8"
	RSVS(L)1-9	1	56C	7 1/4"	5 1/4"	13 5/8"	56C	6 3/16"	5 1/16"	11 1/8"
	RSVS(L)1-10	1	56C	7 1/4"	5 1/4"	13 5/8"	56C	6 3/16"	5 1/16"	11 1/8"
	RSVS(L)1-11	1.5	56C	7 1/4"	5 1/4"	13 5/8"	56C	7 1/4"	5 5/8"	13 9/16"
	RSVS(L)1-12	1.5	56C	7 1/4"	5 1/4"	13 5/8"	56C	7 1/4"	5 5/8"	13 9/16"
	RSVS(L)1-13	1.5	56C	7 1/4"	5 1/4"	13 5/8"	56C	7 1/4"	5 5/8"	13 9/16"
	RSVS(L)1-14	1.5	56C	7 1/4"	5 1/4"	13 5/8"	56C	7 1/4"	5 5/8"	13 9/16"
	RSVS(L)1-16	2	56C	7 1/4"	5 1/4"	13 9/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)1-18	2	56C	7 1/4"	5 1/4"	13 9/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)1-20	2	56C	7 1/4"	5 1/4"	13 9/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)1-22	3	143TC	7 1/4"	5 3/4"	13 15/16"	56C	7 3/16"	5 5/8"	14 3/4"
	RSVS(L)1-24	3	143TC	7 1/4"	5 3/4"	13 15/16"	56C	7 3/16"	5 5/8"	14 3/4"
	RSVS(L)1-26	3	143TC	7 1/4"	5 3/4"	13 15/16"	56C	7 3/16"	5 5/8"	14 3/4"
	RSVS(L)1-27	3	143TC	7 1/4"	5 3/4"	13 15/16"	56C	7 3/16"	5 5/8"	14 3/4"
	RSVS(L)1-29	3	143TC	7 1/4"	5 3/4"	13 15/16"	56C	7 3/16"	5 5/8"	14 3/4"
3	RSVS(L)3-2	0.5	56C	6 1/4"	5 1/4"	11 7/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)3-3	0.75	56C	6 1/4"	5 1/4"	11 7/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)3-4	1	56C	7 1/4"	5 1/4"	13 5/8"	56C	6 3/16"	5 1/16"	11 1/8"
	RSVS(L)3-5	1	56C	7 1/4"	5 1/4"	13 5/8"	56C	6 3/16"	5 1/16"	11 1/8"
	RSVS(L)3-6	1.5	56C	7 1/4"	5 1/4"	13 5/8"	56C	7 1/4"	5 5/8"	13 9/16"
	RSVS(L)3-7	1.5	56C	7 1/4"	5 1/4"	13 5/8"	56C	7 1/4"	5 5/8"	13 9/16"
	RSVS(L)3-8	2	56C	7 1/4"	5 1/4"	13 9/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)3-9	2	56C	7 1/4"	5 1/4"	13 9/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)3-10	2	56C	7 1/4"	5 1/4"	13 15/16"	56C	6 1/4"	5 1/16"	11 5/16"
	RSVS(L)3-11	3	143TC	7 1/4"	5 3/4"	13 15/16"	56C	7 3/16"	5 5/8"	14 3/4"
	RSVS(L)3-12	3	143TC	7 1/4"	5 3/4"	13 15/16"	56C	7 3/16"	5 5/8"	14 3/4"
	RSVS(L)3-13	3	143TC	7 1/4"	5 3/4"	13 15/16"	56C	7 3/16"	5 5/8"	14 3/4"
	RSVS(L)3-14	3	143TC	7 1/4"	5 3/4"	13 15/16"	56C	7 3/16"	5 5/8"	14 3/4"
	RSVS(L)3-15	3	182TC	7 1/4"	5 3/4"	15 7/16"	56C	8 7/16"	6 3/4"	14 3/4"
	RSVS(L)3-16	5	184TC	8 1/2"	6 7/8"	15 7/16"	182TC	8 7/16"	6 3/4"	13 7/8"
	RSVS(L)3-17	5	184TC	8 1/2"	6 7/8"	15 7/16"	182TC	8 7/16"	6 3/4"	13 7/8"
	RSVS(L)3-19	5	184TC	8 1/2"	6 7/8"	15 7/16"	182TC	8 7/16"	6 3/4"	13 7/8"
	RSVS(L)3-20	5	184TC	8 1/2"	6 7/8"	15 7/16"	182TC	8 7/16"	6 3/4"	13 7/8"
	RSVS(L)3-21	5	184TC	8 1/2"	6 7/8"	15 7/16"	182TC	8 7/16"	6 3/4"	13 7/8"
	RSVS(L)3-22	5	184TC	8 1/2"	6 7/8"	15 7/16"	182TC	8 7/16"	6 3/4"	13 7/8"
	RSVS(L)3-23	5	184TC	8 1/2"	6 7/8"	15 7/16"	182TC	8 7/16"	6 3/4"	13 7/8"

NOTE: Motor dimensions (B, C and H3) are provided for reference only and should be verified based on motor manufacturer specifications.

Dimensions Model RSVS/RSVS(L)

Models RSVS(L)5

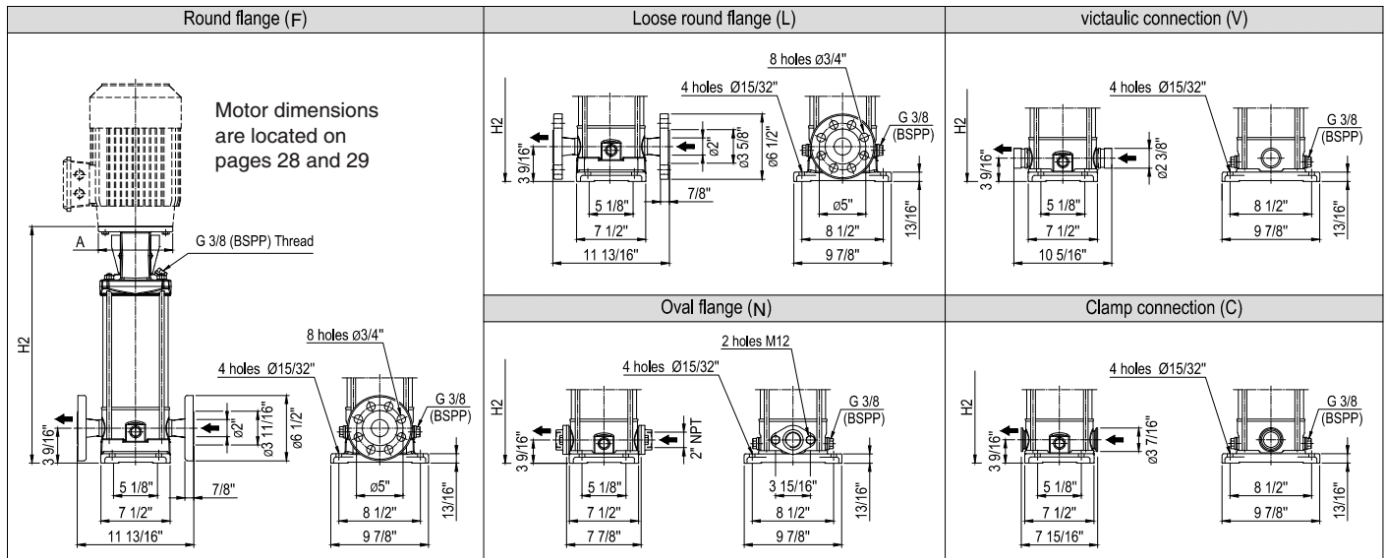


RSVS(L)1		Motor Frame						Oval Flange (N)				Loose Round Flange (LF) Round Flange (F)				Victaulic Connection (V) Clamp Connection (C)			
Pump Type	Pmax [PSI]	TEFC			ODP			TEFC		ODP		TEFC		ODP		TEFC		ODP	
		HP	NEMA Frame	A	HP	NEMA Frame	A	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight
RSVS(L)5-2	230	1	56C	4 1/2"	1	56C	4 1/2"	11 7/16"	22.8	11 7/16"	22.8	12 7/16"	25.0	12 7/16"	25.0	11 7/16"	22.8	12 7/16"	22.6
RSVS(L)5-3	230	1.5	56C	4 1/2"	1.5	56C	4 1/2"	12 9/16"	23.7	12 9/16"	23.7	13 9/16"	26.1	13 9/16"	26.1	12 9/16"	23.7	13 9/16"	23.7
RSVS(L)5-4	230	2	56C	4 1/2"	2	56C	4 1/2"	13 5/8"	25.1	13 11/16"	25.1	14 5/8"	27.3	14 5/8"	27.3	13 5/8"	25.1	14 5/8"	24.9
RSVS(L)5-5	230	3	143TC	8 1/2"	3	56C	4 1/2"	18 1/2"	31.6	14 3/4"	26.0	19 1/2"	34.0	15 3/4"	28.4	18 1/2"	31.6	15 3/4"	26.0
RSVS(L)5-6	230	3	143TC	8 1/2"	3	56C	4 1/2"	19 3/8"	32.7	15 7/8"	27.1	20 5/16"	34.9	16 7/8"	29.3	19 3/8"	32.7	16 7/8"	26.9
RSVS(L)5-7	230	5	184TC	8 1/2"	5	182TC	8 1/2"	20 7/16"	33.9	20 1/8"	33.9	21 7/16"	36.1	21 1/8"	36.1	20 7/16"	33.9	21 1/8"	33.7
RSVS(L)5-8	230	5	184TC	8 1/2"	5	182TC	8 1/2"	21 9/16"	34.6	21 3/16"	34.6	22 9/16"	36.8	22 3/16"	36.8	21 9/16"	34.6	22 3/16"	34.3
RSVS(L)5-9	230	5	184TC	8 1/2"	5	182TC	8 1/2"	22 11/16"	35.4	22 5/16"	35.4	23 5/8"	37.9	23 5/16"	37.9	22 11/16"	35.4	23 5/16"	35.4
RSVS(L)5-10	230	5	184TC	8 1/2"	5	182TC	8 1/2"	23 3/4"	36.5	23 7/16"	36.5	24 3/4"	39.0	24 3/8"	39.0	23 3/4"	36.5	24 3/8"	36.5
RSVS(L)5-11	230	5	184TC	8 1/2"	5	182TC	8 1/2"	24 7/8"	38.3	24 1/2"	38.3	25 7/8"	40.5	25 1/2"	40.5	24 7/8"	38.1	25 1/2"	38.1
RSVS(L)5-12	230	7.5	213TC	8 1/2"	-	-	-	-	-	-	-	27 9/16"	51.8	-	-	26 5/8"	49.4	-	-
RSVS(L)5-13	360	7.5	213TC	8 1/2"	-	-	-	-	-	-	-	28 11/16"	56.1	-	-	27 11/16"	53.6	-	-
RSVS(L)5-14	360	7.5	213TC	8 1/2"	-	-	-	-	-	-	-	29 13/16"	57.2	-	-	28 13/16"	54.7	-	-
RSVS(L)5-15	360	7.5	213TC	8 1/2"	-	-	-	-	-	-	-	30 7/8"	58.3	-	-	29 15/16"	55.8	-	-
RSVS(L)5-16	360	7.5	213TC	8 1/2"	-	-	-	-	-	-	-	23"	59.6	-	-	31"	57.2	-	-
RSVS(L)5-17	360	7.5	213TC	8 1/2"	-	-	-	-	-	-	-	33 1/8"	60.9	-	-	32 1/8"	58.5	-	-
RSVS(L)5-19	360	10	215TC	8 1/2"	-	-	-	-	-	-	-	25 5/16"	62.9	-	-	34 5/16"	60.5	-	-

NOTE: For motor dimensions refer to page 22.

Dimensions Model RSVS/RSVS(L)

Models RSVS(L)10

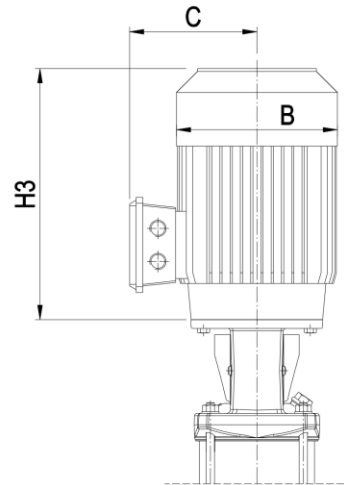


RSVS(L)1		Motor Frame						Oval Flange (N)				Loose Round Flange (LF) Round Flange (F)				Victaulic Connection (V) Clamp Connection (C)			
Pump Type	P _{max} [PSI]	HP	TEFC NEMA Frame	A	HP	ODP NEMA Frame	A	TEFC	Pump Weight	ODP	Pump Weight	TEFC	Pump Weight	ODP	Pump Weight	TEFC	Pump Weight	ODP	Pump Weight
RSVS(L)10-1	230	1	56C	4 1/2"	1	56C	4 1/2"	14"	43.3	14"	43.3	14 3/8"	45.5	14"	45.5	14"	43.1	14"	43.1
RSVS(L)10-2	230	2	56C	4 1/2"	2	56C	4 1/2"	14"	43.9	14"	43.9	14 3/8"	46.3	14"	46.3	14"	43.9	14"	43.9
RSVS(L)10-3	230	3	182TC	8 1/2"	3	56C	4 1/2"	19 1/2"	55.2	15 3/16"	45.9	19 15/16"	57.4	15 3/16"	48.1	19 1/2"	55.2	15 3/16"	45.9
RSVS(L)10-4	230	5	184TC	8 1/2"	5	182TC	8 1/2"	20 11/16"	57.2	20 11/16"	57.2	21 1/16"	59.4	20 11/16"	59.4	20 11/16"	57.0	20 11/16"	57.0
RSVS(L)10-5	230	5	184TC	8 1/2"	5	182TC	8 1/2"	21 7/8"	59.0	21 7/8"	59.0	22 1/4"	61.2	21 7/8"	61.2	21 7/8"	59.0	21 7/8"	59.0
RSVS(L)10-6	230	5	184TC	8 1/2"	5	182TC	8 1/2"	23 1/16"	60.7	23 1/16"	60.7	23 7/16"	63.2	23 1/16"	63.2	23 1/16"	60.7	23 1/16"	60.7
RSVS(L)10-7	230	7.5	184TC	8 1/2"	7.5	184TC	8 1/2"	24 1/2"	65.6	24 1/2"	65.6	24 5/8"	68.0	24 1/2"	68.0	24 1/2"	65.6	24 1/2"	65.6
RSVS(L)10-8	230	7.5	184TC	8 1/2"	7.5	184TC	8 1/2"	25 7/16"	68.3	25 7/16"	68.3	25 13/16"	70.7	25 7/16"	70.7	25 7/16"	68.3	25 7/16"	68.3
RSVS(L)10-9	230	7.5	184TC	8 1/2"	7.5	184TC	8 1/2"	26 5/8"	70.2	26 5/8"	70.2	27"	72.4	26 5/8"	72.4	26 5/8"	70.0	26 5/8"	70.0
RSVS(L)10-10	230	10	215TC	8 1/2"	10	213TC	8 1/2"	27 13/16"	73.0	27 13/16"	73.0	28 3/16"	75.2	27 13/16"	75.2	27 13/16"	73.0	27 13/16"	73.0
RSVS(L)10-11	360	10	215TC	8 1/2"	10	213TC	8 1/2"	-	-	-	-	29 3/8"	78.9	29"	78.9	28 15/16"	76.5	29"	76.5
RSVS(L)10-12	360	10	215TC	8 1/2"	10	213TC	8 1/2"	-	-	-	-	30 9/16"	80.9	30 3/16"	80.9	30 1/8"	78.5	30 3/16"	78.5
RSVS(L)10-14	360	15	215TC	8 1/2"	15	215TC	8 1/2"	-	-	-	-	32 7/8"	90.8	32 1/2"	90.8	32 1/2"	88.4	32 1/2"	88.4
RSVS(L)10-15	360	15	215TC	8 1/2"	15	215TC	8 1/2"	-	-	-	-	34 1/16"	92.8	33 11/16"	92.8	33 11/16"	90.6	33 11/16"	90.6
RSVS(L)10-16	360	15	215TC	8 1/2"	15	215TC	8 1/2"	-	-	-	-	35 1/4"	94.8	34 7/8"	94.8	34 7/8"	92.6	34 7/8"	92.6

NOTE: For motor dimensions refer to page 22.

Motor Dimensions

Models RSVS(L)5-10

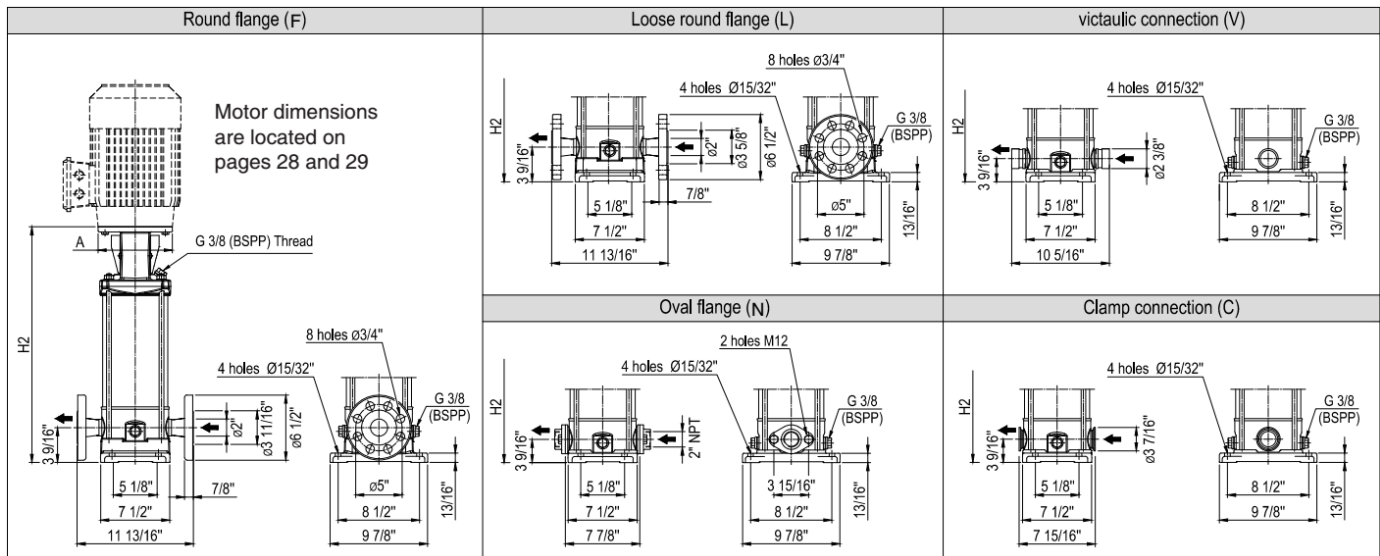


	Pump Type	Horsepower	NEMA Frame Size	TEFC Motor			NEMA Frame Size	ODP Motor			
				Dimensions				Dimensions			
				B	C	H3		B	C	H3	
5	RSVS(L)5-2	1	56C	7 ¼"	5 ¼"	13 5/8"	56C	6 3/16"	5 1/16"	11 1/8"	
	RSVS(L)5-3	1.5	56C	7 ¼"	5 ¼"	13 5/8"	56C	7 ¼"	5 5/8"	13 9/16"	
	RSVS(L)5-4	2	56C	7 ¼"	5 ¼"	13 9/16"	56C	6 ½"	5 1/16"	11 5/16"	
	RSVS(L)5-5	3	143TC	7 ¼"	5 ¾"	13 15/16"	56C	7 3/16"	5 5/8"	14 ¾"	
	RSVS(L)5-6	3	143TC	7 ¼"	5 ¾"	13 15/16"	56C	7 3/16"	5 5/8"	14 ¾"	
	RSVS(L)5-7	5	184TC	8 ½"	6 7/8"	15 7/16"	182TC	8 7/16"	6 ¾"	13 7/8"	
	RSVS(L)5-8	5	184TC	8 ½"	6 7/8"	15 7/16"	182TC	8 7/16"	6 ¾"	13 7/8"	
	RSVS(L)5-9	5	184TC	8 ½"	6 7/8"	15 7/16"	182TC	8 7/16"	6 ¾"	13 7/8"	
	RSVS(L)5-10	5	184TC	8 ½"	6 7/8"	15 7/16"	182TC	8 7/16"	6 ¾"	13 7/8"	
	RSVS(L)5-11	5	184TC	8 ½"	6 7/8"	15 7/16"	182TC	8 7/16"	6 ¾"	13 7/8"	
	RSVS(L)5-12	7.5	213TC	10 5/16"	8 1/16"	18 3/16"	-	-	-	-	
	RSVS(L)5-13	7.5	213TC	10 5/16"	8 1/16"	18 3/16"	-	-	-	-	
	RSVS(L)5-14	7.5	213TC	10 5/16"	8 1/16"	18 3/16"	-	-	-	-	
	RSVS(L)5-15	7.5	213TC	10 5/16"	8 1/16"	18 3/16"	-	-	-	-	
	RSVS(L)5-16	7.5	213TC	10 5/16"	8 1/16"	18 3/16"	-	-	-	-	
	RSVS(L)5-17	7.5	213TC	10 5/16"	8 1/16"	18 3/16"	-	-	-	-	
	RSVS(L)5-19	10	215TC	10 5/16"	8 1/16"	18 3/16"	213TC	9 5/8"	7 15/16"	16 9/16"	
	10	RSVS(L)10-1	1	56C	7 ¼"	5 ¼"	13 5/8"	56C	6 3/16"	5 1/16"	11 1/8"
		RSVS(L)10-2	2	56C	7 ¼"	5 ¼"	13 9/16"	56C	6 ½"	5 1/16"	11 5/16"
RSVS(L)10-3		3	143TC	7 ¼"	5 ¾"	13 15/16"	56C	7 3/16"	5 5/8"	14 ¾"	
RSVS(L)10-4		5	184TC	8 ½"	6 7/8"	15 7/16"	182TC	8 7/16"	6 ¾"	13 7/8"	
RSVS(L)10-5		5	184TC	8 ½"	6 7/8"	15 7/16"	182TC	8 7/16"	6 ¾"	13 7/8"	
RSVS(L)10-6		5	184TC	8 ½"	6 7/8"	15 7/16"	182TC	8 7/16"	6 ¾"	13 7/8"	
RSVS(L)10-7		7.5	184TC	8 5/8"	6 7/8"	15 7/16"	184TC	8 ½"	6 ¾"	12 3/8"	
RSVS(L)10-8		7.5	184TC	8 5/8"	6 7/8"	15 7/16"	184TC	8 ½"	6 ¾"	12 3/8"	
RSVS(L)10-9		7.5	184TC	8 5/8"	6 7/8"	15 7/16"	184TC	8 ½"	6 ¾"	12 3/8"	
RSVS(L)10-10		10	215TC	10 5/16"	8 1/16"	18 3/16"	213TC	9 5/8"	7 15/16"	16 9/16"	
RSVS(L)10-11		10	215TC	10 5/16"	8 1/16"	18 3/16"	213TC	9 5/8"	7 15/16"	16 9/16"	
RSVS(L)10-12		10	215TC	10 5/16"	8 1/16"	18 3/16"	213TC	9 5/8"	7 15/16"	16 9/16"	
RSVS(L)10-14		15	215TC	10 5/16"	8 1/16"	18 3/16"	215TC	9 5/8"	7 15/16"	16 9/16"	
RSVS(L)10-15		15	215TC	10 5/16"	8 1/16"	18 3/16"	215TC	9 5/8"	7 15/16"	16 9/16"	
RSVS(L)10-16		15	215TC	10 5/16"	8 1/16"	18 3/16"	215TC	9 5/8"	7 15/16"	16 9/16"	

NOTE: Motor dimensions (B, C and H3) are provided for reference only and should be verified based on motor manufacturer specifications.

Dimensions Model RSVS/RSVS(L)

Models RSVS(L)15

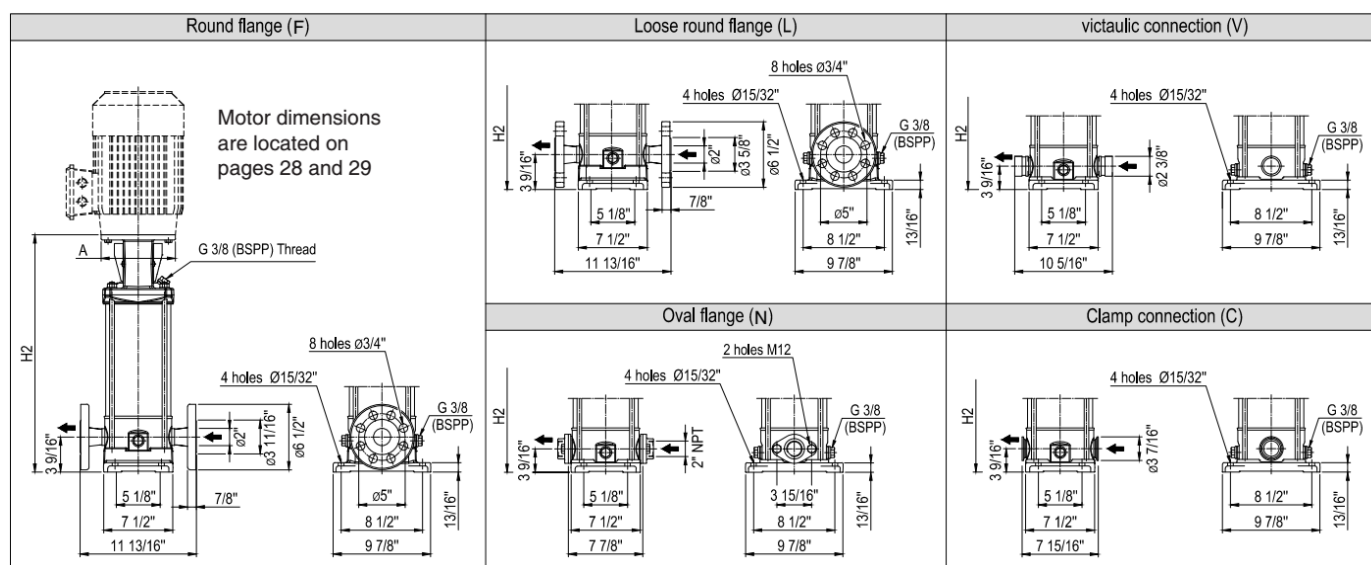


RSVS(L)1		Motor Frame						Oval Flange (N)						Loose Round Flange (LF) Round Flange (F)						Victaulic Connection (V) Clamp Connection (C)					
		TEFC			ODP			TEFC			ODP			TEFC			ODP			TEFC			ODP		
Pump Type	Pmax [PSI]	HP	NEMA Frame	A	HP	NEMA Frame	A	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight		
RSVS(L)15-1	230	2	56C	4 1/2"	2	56C	4 1/2"	15 5/16"	37.5	15 5/16"	37.5	15 5/16"	41.7	15 5/16"	41.7	15 5/16"	41.7	15 5/16"	37.5	15 5/16"	37.5	15 5/16"	37.5		
RSVS(L)15-2	230	5	184TC	8 1/2"	5	182TC	8 1/2"	19 11/16"	47.5	19 11/16"	47.5	19 11/16"	51.5	19 11/16"	51.5	19 11/16"	51.5	19 11/16"	47.3	19 11/16"	47.3	19 11/16"	47.3		
RSVS(L)15-3	230	7.5	184TC	8 1/2"	7.5	184TC	8 1/2"	21 1/2"	53.0	21 1/2"	53.0	21 1/2"	57.2	21 1/2"	57.2	21 1/2"	57.2	21 1/2"	53.0	21 1/2"	53.0	21 1/2"	53.0		
RSVS(L)15-4	230	10	215TC	8 1/2"	10	213TC	8 1/2"	22 13/16"	56.6	22 13/16"	56.6	22 13/16"	60.8	22 13/16"	60.8	22 13/16"	60.8	22 13/16"	56.6	22 13/16"	56.6	22 13/16"	56.6		
RSVS(L)15-5	230	10	215TC	8 1/2"	10	213TC	8 1/2"	24 3/8"	59.1	24 3/8"	59.1	24 3/8"	63.3	24 3/8"	63.3	24 3/8"	63.3	24 3/8"	59.1	24 3/8"	59.1	24 3/8"	59.1		
RSVS(L)15-6	230	15	215TC	8 1/2"	15	215TC	8 1/2"	25 15/16"	68.8	25 15/16"	68.8	25 15/16"	72.8	25 15/16"	72.8	25 15/16"	72.8	25 15/16"	68.6	25 15/16"	68.6	25 15/16"	68.6		
RSVS(L)15-7	230	15	215TC	8 1/2"	15	215TC	8 1/2"	27 1/2"	72.8	27 1/2"	72.8	27 1/2"	77.0	27 1/2"	77.0	27 1/2"	77.0	27 1/2"	72.8	27 1/2"	72.8	27 1/2"	72.8		
RSVS(L)15-8	360	20	256TC	8 1/2"	20	254TC	8 1/2"	-	-	-	-	29 11/16"	86.9	29 11/16"	86.9	29 11/16"	86.9	29 11/16"	82.7	29 11/16"	82.7	29 11/16"	82.7		
RSVS(L)15-9	360	20	256TC	8 1/2"	20	254TC	8 1/2"	-	-	-	-	31 1/2"	89.7	31 1/2"	89.7	31 1/2"	89.7	31 1/2"	85.5	31 1/2"	85.5	31 1/2"	85.5		
RSVS(L)15-10	360	20	256TC	8 1/2"	20	254TC	8 1/2"	-	-	-	-	32 13/16"	92.6	32 13/16"	92.6	32 13/16"	92.6	32 13/16"	88.4	32 13/16"	88.4	32 13/16"	88.4		
RSVS(L)15-11	360	25	284TSC	10 1/2"	25	-	-	-	-	-	-	33 11/16"	91.8	-	-	33 11/16"	91.8	-	87.7	-	-	-	-		
RSVS(L)15-12	360	25	284TSC	10 1/2"	25	-	-	-	-	-	-	35 5/16"	94.7	-	-	35 5/16"	94.7	-	90.5	-	-	-	-		

NOTE: For motor dimensions refer to page 25.

Dimensions Model RSVS/RSVS(L)

Models RSVS(L)20

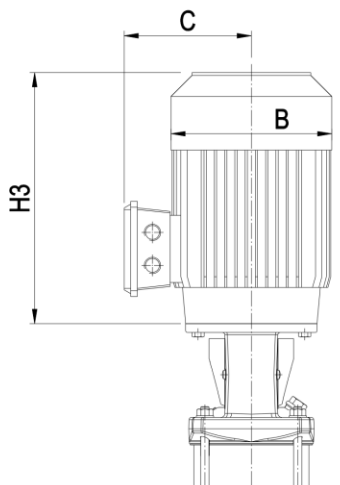


RSVS(L)1		Motor Frame						Oval Flange (N)				Loose Round Flange (LF) Round Flange (F)				Victaulic Connection (V) Clamp Connection (C)			
		TEFC		ODP		TEFC		ODP		TEFC		ODP		TEFC		ODP		TEFC	
Pump Type	Pmax [PSI]	HP	NEMA Frame	A	HP	NEMA Frame	A	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight	H2	Pump Weight
RSVS(L)20-1	230	2	143TC	8 1/2"	3	56C	4 1/2"	19 11/16"	46.8	15 5/16"	37.5	19 11/16"	50.8	15 5/16"	41.5	19 11/16"	46.6	15 5/16"	37.3
RSVS(L)20-2	230	5	184TC	8 1/2"	5	182TC	8 1/2"	19 11/16"	47.5	19 11/16"	47.5	19 11/16"	51.5	19 11/16"	51.5	19 11/16"	47.3	19 11/16"	47.3
RSVS(L)20-3	230	7.5	184TC	8 1/2"	7.5	184TC	8 1/2"	21 1/4"	53.0	21 1/4"	53.0	21 1/4"	57.2	21 1/4"	57.2	21 1/4"	53.0	21 1/4"	53.0
RSVS(L)20-4	230	10	215TC	8 1/2"	10	213TC	8 1/2"	22 13/16"	56.9	22 13/16"	56.6	22 13/16"	60.8	22 13/16"	60.8	22 13/16"	56.6	22 13/16"	56.6
RSVS(L)20-5	230	10	215TC	8 1/2"	15	215TC	8 1/2"	24 3/8"	65.5	24 3/8"	65.5	24 3/8"	69.5	24 3/8"	69.5	24 3/8"	65.3	24 3/8"	65.3
RSVS(L)20-6	230	15	215TC	8 1/2"	15	215TC	8 1/2"	25 15/16"	65.9	25 15/16"	65.9	25 15/16"	70.1	25 15/16"	70.1	25 15/16"	65.9	25 15/16"	65.9
RSVS(L)20-7	360	15	256TC	8 1/2"	20	254TC	8 1/2"	-	-	-	-	28 1/8"	83.5	28 1/8"	83.5	28 1/8"	79.4	28 1/8"	79.4
RSVS(L)20-8	360	20	256TC	8 1/2"	20	254TC	8 1/2"	-	-	-	-	29 11/16"	86.4	29 11/16"	86.4	29 11/16"	82.2	29 11/16"	82.2
RSVS(L)20-9	360	25	284TSC	10 1/2"	25	-	-	-	-	-	-	30 9/16"	85.9	-	-	30 9/16"	81.7	-	-
RSVS(L)20-10	360	25	284TSC	10 1/2"	25	-	-	-	-	-	-	32 1/8"	88.8	-	-	32 1/8"	84.6	-	-

NOTE: For motor dimensions refer to page 25.

Motor Dimensions

Models RSVS(L)15-20



	Pump Type	Horsepower	NEMA Frame Size	TEFC Motor Dimensions			NEMA Frame Size	ODP Motor Dimensions		
				B	C	H3		B	C	H3
15	RSVS(L)15-1	2	56C	7 1/4"	5 1/4"	13 9/16"	56C	6 1/2"	5 1/16"	11 5/16"
	RSVS(L)15-2	5	184TC	8 1/2"	6 7/8"	15 7/16"	182TC	8 7/8"	6 3/4"	13 7/8"
	RSVS(L)15-3	7.5	184TC	8 5/8"	6 7/8"	15 7/16"	184TC	8 1/2"	6 3/4"	12 3/8"
	RSVS(L)15-4	10	215TC	10 5/16"	8 1/16"	18 3/16"	213TC	9 5/8"	7 15/16"	16 9/16"
	RSVS(L)15-5	10	215TC	10 5/16"	8 1/16"	18 3/16"	213TC	9 5/8"	7 15/16"	16 9/16"
	RSVS(L)15-6	15	215TC	10 5/16"	8 1/16"	18 3/16"	215TC	9 5/8"	7 15/16"	16 9/16"
	RSVS(L)15-7	15	215TC	10 5/16"	8 1/16"	18 3/16"	215TC	9 5/8"	7 15/16"	16 9/16"
	RSVS(L)15-8	20	256TC	12 7/8"	10 1/16"	20"	-	-	-	-
	RSVS(L)15-9	20	256TC	12 7/8"	10 1/16"	20"	-	-	-	-
	RSVS(L)15-10	20	256TC	12 7/8"	10 1/16"	20"	-	-	-	-
	RSVS(L)15-11	25	284TSC	13 5/8"	12 1/8"	21 3/4"	-	-	-	-
	RSVS(L)15-12	25	284TSC	13 5/8"	12 1/8"	21 3/4"	-	-	-	-
20	RSVS(L)20-1	3	143TC	7 1/4"	5 3/4"	13 15/16"	56C	7 3/16"	5 5/8"	14 3/4"
	RSVS(L)20-2	5	184TC	8 1/2"	6 7/8"	15 7/16"	182TC	8 7/16"	6 3/4"	13 7/8"
	RSVS(L)20-3	7.5	184TC	8 5/8"	6 7/8"	15 7/16"	184TC	8 1/2"	6 3/4"	12 3/8"
	RSVS(L)20-4	10	215TC	10 5/16"	8 1/16"	18 3/16"	213TC	9 5/8"	7 15/16"	16 9/16"
	RSVS(L)20-5	15	215TC	10 5/16"	8 1/16"	18 3/16"	215TC	9 5/8"	7 15/16"	16 9/16"
	RSVS(L)20-6	15	215TC	10 5/16"	8 1/16"	18 3/16"	215TC	9 5/8"	7 15/16"	16 9/16"
	RSVS(L)20-7	20	256TC	12 7/8"	10 1/16"	20"	-	-	-	-
	RSVS(L)20-8	20	256TC	12 7/8"	10 1/16"	20"	-	-	-	-
	RSVS(L)20-9	25	284TSC	13 5/8"	12 1/8"	21 3/4"	-	-	-	-
	RSVS(L)20-10	25	284TSC	13 5/8"	12 1/8"	21 3/4"	-	-	-	-

NOTE: Motor dimensions (B, C and H3) are provided for reference only and should be verified based on motor manufacturer specifications.

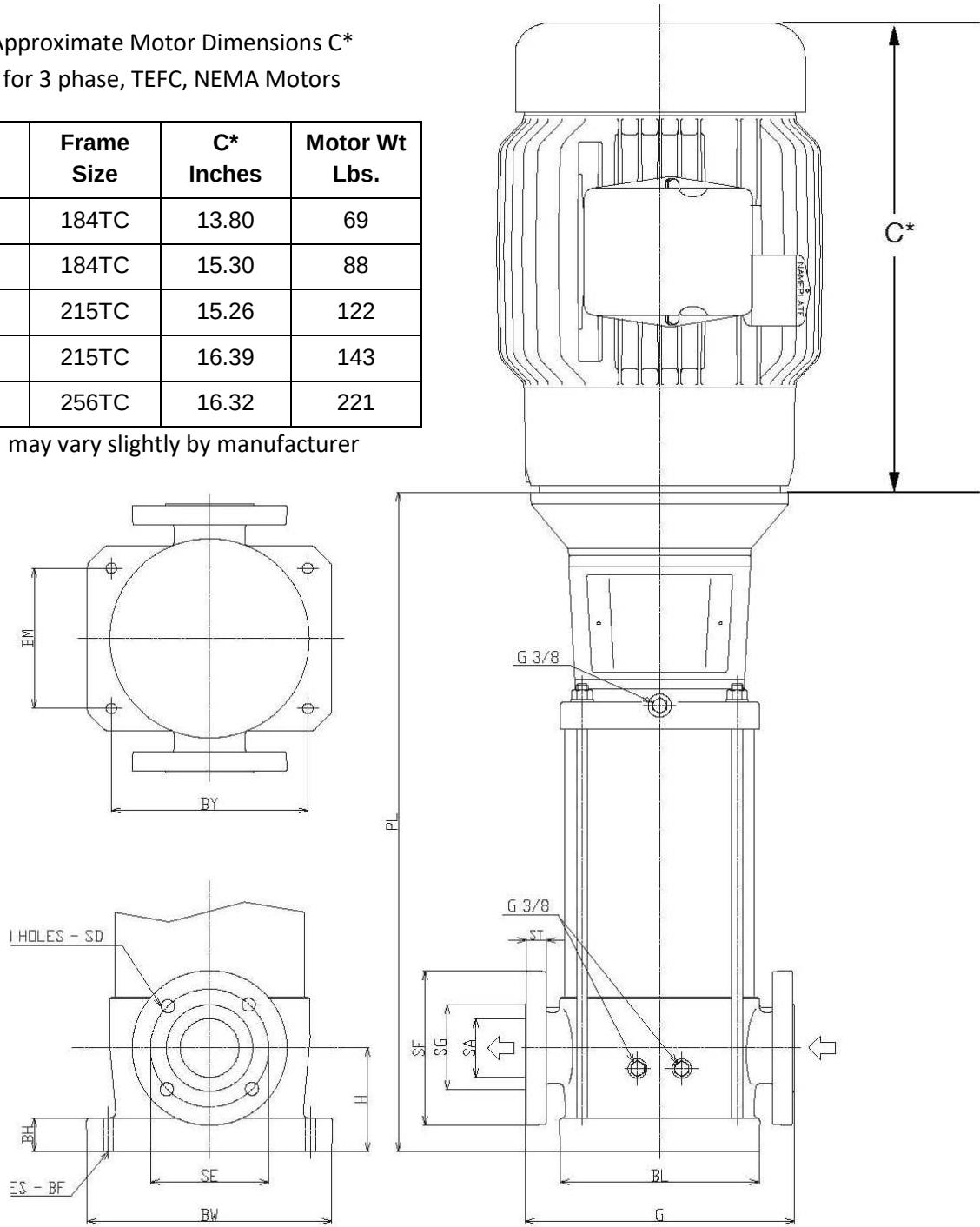
Dimensions Model RSV(G)/RSV(L)

Models: RSV(L)32 1 – RSV(L)32 4-3 RSV(L)45 1-1 – RSV(L)45 3
RSV(G)32 1 – RSV(G)32 4-3 RSV(G)45 1-1 – RSV(G)45 3

Approximate Motor Dimensions C*
for 3 phase, TEFC, NEMA Motors

HP	Frame Size	C* Inches	Motor Wt Lbs.
5	184TC	13.80	69
7.5	184TC	15.30	88
10	215TC	15.26	122
15	215TC	16.39	143
20	256TC	16.32	221

Note: C* may vary slightly by manufacturer



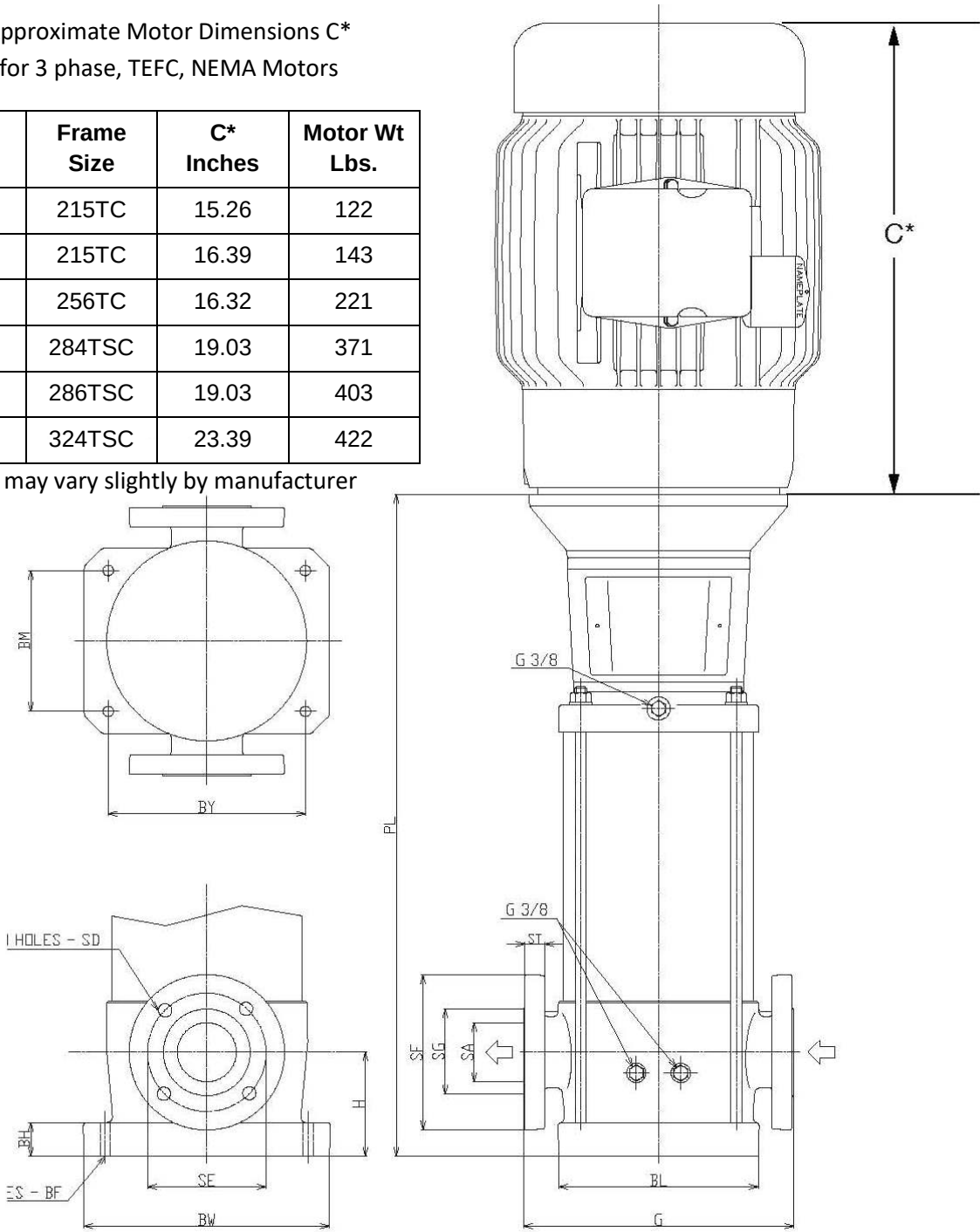
Flange Detail:
RSV32 2-1/2 inch 150 Lb. ANSI
RSV45 3 inch 210 Lb. ANSI
Refer to Pages 21 and 22 for Dimensions

Dimensions Model RSV(G)/RSV(L) Models: RSV(G)64 1-1 – RSV(G)64 3 RSV(L)64 1-1 – RSV(L)64 3

Approximate Motor Dimensions C*
for 3 phase, TEFC, NEMA Motors

HP	Frame Size	C* Inches	Motor Wt Lbs.
10	215TC	15.26	122
15	215TC	16.39	143
20	256TC	16.32	221
25	284TSC	19.03	371
30	286TSC	19.03	403
40	324TSC	23.39	422

Note: C* may vary slightly by manufacturer



Flange Detail:

RSV64 4 inch 150 Lb. ANSI

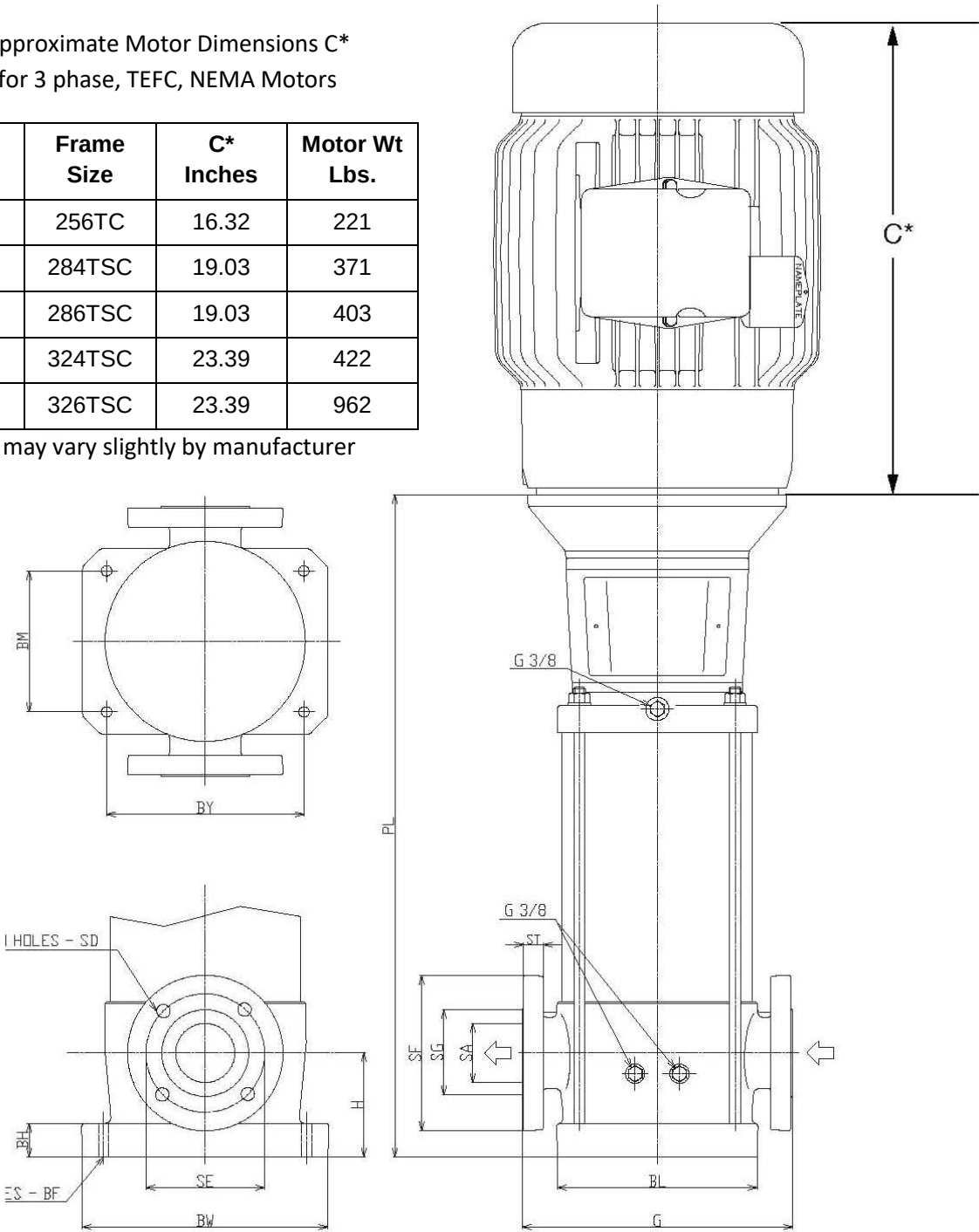
Refer to Pages 21 and 22 for Dimensions

Dimensions Model RSV(G)/RSV(L)
Models: RSV(G)32 5 – RSV(G)32 10-1
RSV(G)45 4-1 – RSV(G)45 7-2
RSV(G)64 4-2 – RSV(G)64 4
RSV(L)32 5 – RSV(L)32 10-1
RSV(L)45 4-1 – RSV(L)45 7-2
RSV(L)64 4-2 – RSV(L)64 4

Approximate Motor Dimensions C*
for 3 phase, TEFC, NEMA Motors

HP	Frame Size	C* Inches	Motor Wt Lbs.
20	256TC	16.32	221
25	284TSC	19.03	371
30	286TSC	19.03	403
40	324TSC	23.39	422
50	326TSC	23.39	962

Note: C* may vary slightly by manufacturer



Flange Detail:

RSV32 2-1/2 inch 300 Lb. ANSI
RSV45 3 inch 300 Lb. ANSI
RSV64 4 inch 300 Lb. ANSI

Refer to Pages 21 and 22 for Dimensions

Dimensions Model RSV(G)/RSV(L)

Pump Type					Dimensions in Inches							
Model	HP	Weight Lbs. ¹	Motor Frame*	PL	H	G	ST	SA	SG	SF	SD	SN
32 1	5	117	184TC	18-3/16	4-9/16	12-9/32	54/64	2-9/16	4-21/64	7	25/32	4
32 2-2	7.5	126	184TC	20-19/32								
32 3-2	10	170	215TC	22-31/64								
32 3	15	172	215TC	27-41/64								
32 4-3	15	176	215TC	29-17/32								
32 5	20	194	256TC	31-27/64			11/16			7-1/2	3/4-10UNC	8
32 6	25	200	284TSC	33-7/64								
32 7	30	207	286TSC	35								
32 8-3	30	225	286TSC	36-57/64								
32 9	40	240	324TSC	39-3/8								
32 10-1	40	247	324TSC	41-17/64								
45 1-1	7.5	148	184TC	21-29/64	5-33/64	14-3/8	15/16	3-5/32	4-23/32	7-1/2	25/32	4
45 1	10	152	215TC	21-29/64								
45 2-1	15	192	215TC	29-29/64								
45 3-2	20	207	256TC	32-9/32								
45 3	25	207	284TSC	32-2/32								
45 4-1	30	229	286TSC	34-59/64			1-13/64			8-1/4	29/32	8
45 5	40	260	324TSC	38-11/32								
45 6	50	276	326TSC	41-3/16								
45 7-2	50	287	326TSC	44-1/64								
64 1-1	10	179	215TC	21-29/64	5-33/64	14-3/8	1-1/32	3-15/16	5-33/64	9	25/32	8
64 1	15	201	215TC	26-5/8								
64 2-1	20	213	256TC	29-29/64								
64 2	25	214	284TSC	29-1/4								
64 3-2	30	221	286TSC	32-3/32								
64 3	40	223	324TSC	32-11/16			1-21/64			10	29/32	
64 4-2	40	245	324TSC	35-33/64								
64 4	50	251	326TSC	35-33/64								

Dimensions Model RSV(G)/RSV(L)

Pump Type			Dimensions in Inches												
Model	HP	Motor Frame*	SE	BM	BY1	BL	BW	BF	BH						
32 1	5	184TC	5-1/2	6-11/16	9-29/64	8-17/64	11-1/32	35/64	1-3/8						
32 2-2	7.5	184TC													
32 3-2	10	215TC													
32 3	15	215TC													
32 4-3	15	215TC													
32 5	20	256TC	5-7/8												
32 6	25	284TSC													
32 7	30	286TSC													
32 8-3	30	286TSC													
32 9	40	324TSC													
32 10-1	40	324TSC													
45 1-1	7.5	184TC	6	7-31/64	10-15/32	9-57/64	13-1/32	35/64	1-49/64						
45 1	10	215TC													
45 2-1	15	215TC													
45 3-2	20	256TC													
45 3	25	284TSC													
45 4-1	30	286TSC	6-5/8												
45 5	40	324TSC													
45 6	50	326TSC													
45 7-2	50	326TSC													
64 1-1	10	215TC								7-1/2	7-31/64	10-15/32	9-57/64	13-1/32	35/64
64 1	15	215TC													
64 2-1	20	256TC													
64 2	25	284TSC													
64 3-2	30	286TSC													
64 3	40	324TSC													
64 4-2	40	324TSC	7-7/8												
64 4	50	326TSC													



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