

Model	Spring unit	Supply air (to Open)														Spring to Close	
		3Bar		4Bar		4.5Bar		5Bar		6Bar		7Bar		8Bar			
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
RS40	WM	3.3	0.5	5.0	1.3	5.9	1.9	6.8	2.2	8.7	3.2	10.5	4.3	12.4	5.3	2.4	1.4
	WS	2.6	-	4.4	0.7	5.3	1.3	6.1	1.7	8.0	2.7	9.8	3.5	11.5	4.3	3.3	1.9
	M	2.3	-	4.2	0.7	5.1	1.1	5.9	1.6	7.7	2.3	9.5	3.2	11.3	4.0	3.7	2.3
	MS	1.9	-	3.5	0.3	4.5	0.8	5.3	1.3	7.2	2.1	9.0	2.9	10.8	3.7	4.6	2.9
	S*	1.5	-	3.1	-	4.0	-	4.9	0.7	6.6	1.4	8.5	2.0	10.2	2.7	5.1	3.2
RS50	4	7.4	5.6	10.7	8.9	12.2	10.6	13.9	12.2	17.1	15.6	20.5	18.9	23.4	22.0	2.4	1.6
	5	6.7	4.8	10.0	7.9	11.6	9.9	13.2	11.4	16.6	15.0	19.9	18.2	23.1	21.2	3.4	2.0
	6	6.2	4.0	9.6	7.3	11.5	8.9	12.8	10.9	15.9	13.9	19.2	17.3	22.7	20.3	4.2	2.6
	7	5.8	3.0	8.9	6.1	10.6	7.8	12.3	9.5	15.6	12.8	19.0	16.5	22.1	19.6	4.9	3.1
	8	5.0	2.1	8.3	5.2	9.9	6.9	11.6	8.6	14.9	11.9	18.4	15.5	21.2	18.7	6.0	3.6
	9	4.5	1.3	7.7	4.3	9.4	5.9	11.0	7.6	14.3	10.9	17.7	14.4	20.7	17.6	6.8	4.2
	10	3.8	-	7.2	3.5	8.8	5.2	10.5	6.7	14.0	10.1	17.1	13.6	20.2	16.7	7.7	4.7
	11	3.2	-	6.5	2.6	8.3	4.0	9.9	5.9	13.3	9.2	16.6	12.7	19.6	15.6	8.5	5.1
	12	2.7	-	6.1	1.5	7.6	3.1	9.5	4.7	12.7	8.1	16.1	11.5	19.0	14.5	9.4	5.8
RS65	4	11.5	10.0	17.3	15.5	20.6	18.6	23.1	21.1	29.2	27.3	34.6	33.1	40.8	38.9	5.9	3.2
	5	10.8	7.5	17.1	13.3	19.6	16.3	22.6	19.6	28.7	25.7	34.3	32.4	39.3	37.1	7.6	4.4
	6	9.8	6.4	16.1	12.2	19.1	15.6	22.7	18.9	28.0	24.4	33.8	30.3	43.8	35.5	8.8	5.4
	7	8.8	4.2	14.2	10.1	17.0	13.1	20.1	16.2	26.3	22.3	32.2	28.2	39.5	34.1	10.7	6.5
	8*	7.7	2.1	13.4	8.6	17.0	11.5	19.2	14.6	25.5	20.9	31.1	26.8	38.4	32.1	12.3	7.7
	9	6.2	-	11.9	5.8	14.9	8.5	17.8	12.8	23.7	17.9	29.5	24.1	35.3	30.1	14.6	8.3
	10	4.7	-	10.4	4.1	14.0	7.0	16.9	10.0	22.7	16.4	28.4	22.3	33.6	28.4	16.4	10.2
	11	3.5	-	9.3	2.1	12.4	5.2	15.2	8.4	21.4	14.5	27.1	20.7	33.4	26.2	18.1	11.5
	12	2.6	-	8.6	-	11.4	3.4	14.7	6.6	20.7	12.6	26.6	18.8	32.4	24.7	19.0	12.3
RS80	4	31.7	24.9	46.0	39.0	53.4	46.8	59.8	54.1	74.9	68.2	89.7	83.0	109.1	97.0	14.8	8.8
	5	29.0	19.8	43.0	34.4	50.5	41.5	57.6	48.5	71.8	63.8	86.8	78.3	105.4	92.0	18.7	11.0
	6	26.1	15.7	40.4	30.6	48.7	38.3	54.9	45.3	69.6	59.9	84.0	74.7	101.8	88.3	22.8	13.9
	7	23.0	10.9	38.2	25.1	45.7	32.7	52.1	39.2	66.5	54.2	83.9	69.7	99.4	82.7	27.7	15.9
	8*	19.9	5.9	35.3	20.8	42.3	28.9	49.5	35.4	64.0	50.1	77.6	65.5	93.5	78.3	32.0	18.4
	9	17.2	2.1	31.8	16.1	39.2	23.5	46.3	30.7	60.9	46.5	76.2	60.6	89.6	73.8	36.2	21.3
	10	14.6	-	29.1	12.2	36.6	18.7	44.2	26.7	58.5	41.1	73.2	55.8	86.3	68.1	40.7	24.7
	11	11.4	-	26.2	6.4	33.4	14.3	40.8	21.1	55.3	35.8	70.1	50.7	83.4	64.1	45.2	26.8
	12	9.3	-	23.1	-	30.4	9.6	37.9	16.4	52.8	31.3	67.0	46.4	80.6	61.2	49.5	29.2

Model	Spring unit	Supply air (to Open)														Spring to Close	
		3Bar		4Bar		4.5Bar		5Bar		6Bar		7Bar		8Bar			
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
RS90	4	39.1	27.9	57.7	47.5	66.1	56.8	76.3	66.1	95.0	84.7	113.6	103.3	132.2	121.0	17.7	9.3
	5	34.4	19.6	52.1	38.2	61.4	47.5	70.8	58.7	91.2	76.3	108.0	96.8	126.6	116.4	24.2	13.0
	6	31.7	17.7	49.3	33.5	59.6	43.8	68.0	52.1	87.5	69.8	108.0	88.4	123.8	108.9	29.8	17.7
	7	28.9	7.4	45.6	26.1	55.9	34.4	65.2	44.7	83.8	63.3	102.4	81.9	120.1	102.4	33.5	20.5
	8*	24.2	-	42.8	19.6	52.1	28.9	61.4	38.2	80.1	55.9	95.9	75.4	115.4	94.0	40.0	22.3
	9	22.3	-	41.0	18.6	51.2	27.0	60.5	35.4	78.2	54.0	96.8	72.6	111.7	89.4	46.6	26.1
	10	20.5	-	38.2	13.0	47.5	21.4	56.8	31.7	75.4	50.3	92.2	68.9	108.0	81.0	53.1	27.9
	11	16.8	-	36.3	-	43.8	14.9	53.1	22.3	72.6	42.8	90.3	62.4	107.1	81.9	55.9	31.7
	12	14.0	-	29.8	-	39.1	8.4	50.3	14.9	66.1	33.5	84.7	54.9	105.2	72.6	61.4	35.4
RS100	4	55.9	35.4	81.0	62.4	94.0	74.5	106.1	88.4	132.2	114.5	158.3	141.5	184.3	168.5	31.7	17.7
	5	50.3	25.1	75.4	52.1	88.4	65.2	100.5	77.3	126.6	104.3	152.7	131.3	177.8	157.3	40.0	22.3
	6	48.4	22.3	73.5	46.6	85.7	59.6	98.7	71.7	124.8	98.7	149.9	125.7	175.0	151.8	47.5	27.0
	7	41.9	-	67.0	34.4	79.1	47.5	93.1	59.6	117.3	87.5	144.3	113.6	170.4	136.9	55.9	29.8
	8*	36.3	-	61.4	24.2	74.5	37.2	87.5	50.3	113.6	78.2	139.7	104.3	164.8	130.3	67.0	37.2
	9	29.8	-	55.9	9.3	68.0	27.9	81.0	41.0	107.1	67.0	133.1	93.1	159.2	120.1	75.4	44.7
	10	24.2	-	48.4	-	62.4	22.3	76.3	34.4	100.5	58.7	126.6	84.7	151.8	110.8	84.7	50.3
	11	18.6	-	44.7	-	56.8	-	69.8	21.4	95.0	48.4	121.0	73.5	146.2	100.5	93.1	53.1
	12	13.0	-	39.1	-	51.2	-	64.2	13.0	90.3	38.2	115.4	64.2	141.5	87.5	103.3	58.7
RS115	4	99.6	86.6	143.4	126.6	163.9	146.2	183.4	167.6	226.2	210.4	268.1	251.4	312.8	298.9	32.6	18.6
	5	95.0	71.7	138.7	116.4	157.3	138.7	178.8	156.4	219.7	198.3	260.7	240.2	308.2	288.6	45.6	26.1
	6	87.5	59.6	130.3	102.4	150.8	115.4	170.4	144.3	211.3	186.2	254.2	230.0	297.9	274.6	56.8	32.6
	7	80.1	49.3	122.0	92.2	142.4	112.7	162.9	134.1	205.8	176.0	247.6	217.9	290.5	263.5	67.0	41.9
	8*	74.5	40.0	116.4	80.1	136.9	101.5	157.3	121.0	198.3	162.9	241.1	206.7	284.0	243.0	77.3	45.6
	9	66.1	25.1	108.0	67.0	129.4	88.4	149.0	108.0	191.8	150.8	232.8	193.6	274.6	233.7	86.6	54.9
	10	58.7	15.8	99.6	57.7	122.0	79.1	141.5	98.7	183.4	140.6	225.3	183.4	267.2	224.4	101.5	61.4
	11	52.1	-	93.1	46.6	113.6	66.1	135.9	85.7	176.9	127.5	218.8	169.4	260.7	249.5	111.7	68.0
	12	46.6	-	87.5	27.9	107.1	54.0	128.5	74.5	170.4	116.4	211.3	158.3	254.2	238.3	121.0	74.5
RS125	4	126.6	98.7	180.6	150.8	209.5	182.5	236.5	206.7	289.5	262.5	344.5	318.4	393.8	375.2	55.9	28.9
	5	116.4	78.2	168.5	133.1	196.4	161.1	224.4	189.0	275.6	242.1	328.6	298.9	378.0	359.4	74.5	38.2
	6	104.3	58.7	156.4	114.5	184.3	142.4	212.3	169.4	261.6	224.4	306.3	280.2	364.0	344.5	93.1	46.6
	7	96.8	38.2	149.0	94.0	179.7	122.9	202.0	149.0	257.0	203.9	310.0	261.6	371.5	329.6	108.0	55.9
	8*	84.7	31.7	138.7	76.3	165.7	103.3	193.6	130.3	246.7	185.3	299.8	239.3	361.2	317.5	125.7	68.0
	9	72.6	9.3	127.5	54.9	153.6	82.9	180.6	109.9	234.6	165.7	288.6	219.7	349.1	299.8	145.2	78.2
	10	60.5	-	115.4	37.2	140.6	65.2	168.5	90.3	221.6	148.0	275.6	204.8	327.7	260.7	163.9	91.2
	11	50.3	-	104.3	18.6	133.1	45.6	157.3	72.6	212.3	129.4	264.4	183.4	320.3	236.5	181.5	102.4

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Model	Spring unit	Supply air (to Open)														Spring to Close	
		3Bar		4Bar		4.5Bar		5Bar		6Bar		7Bar		8Bar			
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
	12	41.0	-	95.0	-	122.0	27.9	147.1	55.9	202.0	109.9	254.2	162.9	309.1	219.7	196.4	109.9

Model	Spring unit	Supply air (to Open)														Spring to Close	
		3Bar		4Bar		4.5Bar		5Bar		6Bar		7Bar		8Bar			
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
RS140	4	179.7	154.5	257.0	237.4	297.9	283.0	335.2	317.5	412.4	402.2	491.6	485.1	606.1	552.1	78.2	49.3
	5	175.0	132.2	252.3	211.3	290.5	252.3	329.6	291.4	405.9	372.4	486.0	454.3	599.6	524.2	95.9	55.9
	6	160.1	107.1	237.4	187.1	280.2	228.1	316.5	268.1	393.8	346.3	471.1	429.2	587.5	499.0	116.4	68.0
	7	146.2	84.7	223.4	165.7	262.5	206.7	300.7	246.7	381.7	325.9	459.0	407.8	575.4	477.6	139.7	82.9
	8*	131.3	65.2	211.3	146.2	249.5	186.2	288.6	225.3	366.8	305.4	443.2	385.4	560.5	461.8	160.1	95.0
	9	116.4	45.6	198.3	122.9	235.5	162.9	274.6	204.8	353.8	284.0	430.1	365.0	547.4	441.3	182.5	108.9
	10	95.9	18.6	178.8	96.8	219.7	138.7	261.6	180.6	338.0	261.6	416.2	342.6	533.5	419.0	205.8	126.6
	11	81.0	-	165.7	75.4	204.8	118.2	246.7	153.6	323.1	236.5	404.1	317.5	521.4	393.8	223.4	135.9
	12	75.4	-	153.6	54.0	191.8	94.0	230.9	131.3	312.8	212.3	393.8	293.3	509.3	373.3	245.8	145.2
RS160	4	261.6	221.6	372.4	336.1	429.2	390.1	482.3	445.0	594.0	559.5	710.4	670.3	820.2	780.2	114.5	71.7
	5	236.5	179.7	349.1	294.2	405.0	351.0	463.6	405.0	569.8	517.6	686.1	628.4	796.0	736.4	149.0	96.8
	6	214.1	150.8	326.8	264.4	383.6	317.5	438.5	375.2	550.2	485.1	661.0	596.8	770.9	703.8	179.7	115.4
	7	194.6	111.7	307.2	226.2	364.0	283.0	420.8	337.0	530.7	450.6	650.8	558.6	751.3	666.6	209.5	135.9
	8*	173.2	83.8	284.9	196.4	340.7	254.2	397.5	310.0	507.4	421.7	627.5	532.5	728.0	637.7	241.1	156.4
	9	152.7	51.2	263.5	159.2	317.5	219.7	374.3	274.6	484.1	393.8	604.2	499.0	704.8	605.2	270.9	177.8
	10	127.5	14.9	238.3	131.3	296.1	187.1	351.0	242.1	460.8	355.6	580.9	470.2	681.5	574.4	302.6	198.3
	11	117.3	-	220.6	98.7	280.2	156.4	332.4	212.3	447.8	326.8	567.9	442.2	668.5	546.5	331.4	216.9
	12	89.4	-	203.9	71.7	258.8	123.8	314.7	180.6	425.5	296.1	545.6	410.6	646.1	514.8	359.4	237.4
RS185	4	336.1	279.3	490.6	438.5	571.6	518.6	648.9	589.3	806.2	745.7	964.5	904.0	1,115.3	1,081.8	166.6	108.9
	5	320.3	240.2	471.1	391.0	554.9	469.2	628.4	547.4	789.5	703.8	941.2	864.9	1,091.1	1,030.6	214.1	143.4
	6	286.7	187.1	438.5	346.3	521.4	425.5	590.3	500.9	756.9	655.4	913.3	820.2	1,079.0	966.4	259.7	168.5
	7	253.2	136.9	409.6	290.5	486.0	374.3	559.5	449.7	734.6	612.6	883.5	767.1	1,031.5	933.8	309.1	203.9
	8*	216.9	90.3	380.8	245.8	458.1	323.1	534.4	403.1	702.0	560.5	855.6	718.7	990.6	887.2	356.6	234.6
	9	195.5	42.8	353.8	198.3	433.8	278.4	509.3	355.6	678.7	513.0	832.3	675.0	966.4	842.6	405.9	270.0
	10	161.1	-	320.3	147.1	405.9	226.2	476.7	306.3	633.1	467.4	790.4	624.7	924.5	788.6	457.1	294.2
	11	128.5	-	288.6	99.6	365.0	177.8	441.3	259.7	597.7	415.2	784.8	578.2	891.0	741.1	492.5	324.9
	12	105.2	-	258.8	48.4	340.7	137.8	416.2	216.0	572.6	376.1	738.3	527.9	865.8	691.7	543.7	357.5
RS210	4	518.6	438.5	744.8	670.3	868.6	784.8	956.1	897.5	1,219.6	1,170.3	1,443.1	1,364.8	1,660.0	1,576.2	233.7	152.7
	5	481.3	369.6	703.8	598.6	835.1	711.3	946.8	823.9	1,174.9	1,053.9	1,397.4	1,288.5	1,622.7	1,499.8	297.9	193.6
	6	438.5	308.2	663.8	532.5	776.5	644.3	901.2	756.9	1,139.5	988.7	1,360.2	1,220.5	1,576.2	1,442.1	356.6	233.7
	7	405.9	256.0	632.1	479.5	745.7	589.3	861.2	705.7	1,097.6	932.9	1,326.7	1,170.3	1,540.8	1,387.2	397.5	262.5
	8*	366.8	189.9	591.2	419.9	704.8	530.7	819.3	648.0	1,050.2	875.1	1,294.1	1,104.2	1,509.2	1,320.2	468.3	312.8
	9	319.3	118.2	542.8	345.4	655.4	462.7	768.1	568.8	1,010.1	801.6	1,240.1	1,026.9	1,453.3	1,254.1	533.5	355.6
	10	272.8	50.3	503.7	275.6	608.9	392.0	721.5	509.3	963.6	728.0	1,195.4	953.3	1,397.4	1,184.2	597.7	400.3
	11	236.5	-	456.2	214.1	574.4	331.4	686.1	448.7	911.4	676.8	1,162.8	905.9	1,364.8	1,123.7	649.8	442.2

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Model	Spring unit	Supply air (to Open)														Spring to Close	
		3Bar		4Bar		4.5Bar		5Bar		6Bar		7Bar		8Bar			
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
	12	193.6	-	417.1	147.1	530.7	266.3	644.3	384.5	875.1	608.9	1,118.1	842.6	1,323.0	1,058.5	724.3	480.4