

## Technical Data

## SCROLLVAC

		SC 5 D	SC 15 D	SC 30 D	SC 60 D
<b>Nominal pumping speed <sup>1)</sup></b>					
50 Hz	m <sup>3</sup> /h (cfm)	5.4 (3.2)	15.0 (8.8)	30.0 (17.7)	60.0 (35.4)
60 Hz	m <sup>3</sup> /h (cfm)	6.4 (3.8)	18.0 (10.6)	36.0 (21.2)	72.0 (42.4)
<b>Pumping speed <sup>1)</sup></b>					
50 Hz	m <sup>3</sup> /h (cfm)	4.8 (2.8)	13.0 (7.7)	26.0 (13.3)	52.0 (30.6)
60 Hz	m <sup>3</sup> /h (cfm)	6.0 (3.5)	15.5 (9.1)	31.0 (18.3)	62.0 (36.5)
<b>Attainable ultimate pressure</b>	<b>mbar (Torr)</b>	≤ 0.05 (≤ 0.038)	≤ 0.016 (≤ 0.012)	≤ 0.01 (≤ 0.008)	≤ 0.01 (≤ 0.008)
<b>Leak rate</b>	<b>mbar l/s</b>	1 x 10 <sup>-6</sup>	1 x 10 <sup>-6</sup>	1 x 10 <sup>-6</sup>	1 x 10 <sup>-6</sup>
<b>Maximum inlet pressure</b>		Atmosphere	Atmosphere	Atmosphere	Atmosphere
<b>Permissible ambient temperature</b>	<b>°C (°F)</b>	+5 to +40 (+41 to +104)	+5 to +40 (+41 to +104)	+5 to +40 (+41 to +104)	+5 to +40 (+41 to +104)
<b>Connections</b>					
Inlet	DN	25	25	40	40
Exhaust	DN	16	16	25	40
<b>Cooling</b>		Air	Air	Air	Air
<b>Water vapor capacity with purge, max.</b>	<b>g/h l/min</b>	0.2 9	1.04 10	1.04 10	1.04 10
<b>Protection class</b>	<b>IP</b>	20	20	20	20
<b>Motor power</b>	<b>W (hp)</b>	150 (0.20)	400 (0.54)	600 (0.82)	1400 (1.90)
<b>Motor speed</b>					
50 Hz	min <sup>-1</sup> (rpm)	1440 (1440)	1450 (1450)	1450 (1450)	1460 (1460)
60 Hz	min <sup>-1</sup> (rpm)	1740 (1740)	1730 (1730)	1730 (1730)	1760 (1760)
<b>Motor voltage</b>	<b>1-ph. <sup>2)</sup>  3-ph.</b>	100 V / 50 Hz 100 - 115 V / 60 Hz 200 - 230 V / 50/60 Hz	100 V / 50 Hz 100 - 115 V / 60 Hz 200 - 230 V / 50/60 Hz 200 V, 380 - 415 V / 50 Hz 200 - 380 V, 460 V / 60 Hz	100 V / 50 Hz 100 - 115 V / 60 Hz 200 - 230 V / 50/60 Hz 200 V, 380 - 415 V / 50 Hz 200 - 380 V, 460 V / 60 Hz	200 V, 380 - 400 - 415 V / 50 Hz 200 - 220 - 230 V, 460 V, 60 Hz
<b>Noise level at 1 m (3.5 ft), free field measurement</b>	<b>dB(A)</b>	≤ 52	≤ 58	≤ 62	≤ 67
<b>Dimensions (W x H x D)</b>	<b>mm (in.)</b>	308 x 214 x 225 (12.13 x 8.43 x 8.86)	400 x 252 x 336 (15.75 x 9.92 x 13.23)	443 x 328 x 372 (17.44 x 12.91 x 14.65)	467 x 390 x 421 (18.39 x 15.35 x 16.57)
<b>Weight</b>					
Single-phase motor	kg (lbs)	14 (30.9)	25 (55.2)	44 (97.1)	–
Three-phase motor	kg (lbs)	–	23 (50.8)	38 (83.9)	60 (132.5)

<sup>1)</sup> In accordance with DIN 28 400

<sup>2)</sup> The Part No. for single-phase pumps will determine the voltage range at delivery