

## Technical Data

Product: SCROLLVAC SC 5 D  
 Part No.: 133000

Inlet connection:	DN 25 ISO-KF	
Outlet connection:	DN 16 ISO-KF	
Nominal pumping speed at 50 Hz:	5.4 m <sup>3</sup> /h	3.2 cfm
Nominal pumping speed at 60 Hz:	6.4 m <sup>3</sup> /h	3.8 cfm
Pumping speed at 50 Hz:	4.8 m <sup>3</sup> /h	2.8 cfm
Pumping speed at 60 Hz:	6.0 m <sup>3</sup> /h	3.5 cfm
Ultimate total pressure without purge gas:	5.0 x 10 <sup>-2</sup> mbar	3.8 x 10 <sup>-2</sup> Torr
Ultimate total pressure with purge gas:	5.0 x 10 <sup>-2</sup> mbar	3.8 x 10 <sup>-2</sup> Torr
Water vapor tolerance at 50/60 Hz:	0.06 mbar	0.05 Torr
Water vapor capacity at 50/60 Hz:	0.2 g/h	
Purge gas quantity:	9 l/min	
Noise level to DIN 45 635		
without purge gas:	≤ 52 dB(A)	
with purge gas:	≤ 57 dB(A)	
Leak rate:	1.0 x 10 <sup>-6</sup> mbar l/s	
Mains connection:	1-ph, 200/230 V, 50/60 Hz	
Motor rating:	150 W	0.2 HP
Rotation speed at 50 Hz:	1.440 min <sup>-1</sup>	1.440 rpm
Rotation speed at 60 Hz:	1.740 min <sup>-1</sup>	1.740 rpm
Motor protection rating:	IP 20	
Admissible ambient temperature:	+5 to +40°C	+41 to +104°F
Dimensions:	see dimension sheet	
Weight:	14.0 kg	30.9 lbs

Technical data are subject to change

## Technical Data

Product: SCROLLVAC SC 5 D  
 Part No.: 133100

Inlet connection:	DN 25 ISO-KF	
Outlet connection:	DN 16 ISO-KF	
Nominal pumping speed at 50 Hz:	5.4 m <sup>3</sup> /h	3.2 cfm
Nominal pumping speed at 60 Hz:	6.4 m <sup>3</sup> /h	3.8 cfm
Pumping speed at 50 Hz:	4.8 m <sup>3</sup> /h	2.8 cfm
Pumping speed at 60 Hz:	6.0 m <sup>3</sup> /h	3.5 cfm
Ultimate total pressure without purge gas:	5.0 x 10 <sup>-2</sup> mbar	3.8 x 10 <sup>-2</sup> Torr
Ultimate total pressure with purge gas:	5.0 x 10 <sup>-2</sup> mbar	3.8 x 10 <sup>-2</sup> Torr
Water vapor tolerance at 50/60 Hz:	0.06 mbar	0.05 Torr
Water vapor capacity at 50/60 Hz:	0.2 g/h	
Purge gas quantity:	9 l/min	
Noise level to DIN 45 635		
without purge gas:	≤ 52 dB(A)	
with purge gas:	≤ 57 dB(A)	
Leak rate:	1.0 x 10 <sup>-6</sup> mbar l/s	
Mains connection:	1-ph, 100 V, 50 Hz / 100-115 V, 60 Hz	
Motor rating:	150 W	0.2 HP
Rotation speed at 50 Hz:	1.440 min <sup>-1</sup>	1.440 rpm
Rotation speed at 60 Hz:	1.740 min <sup>-1</sup>	1.740 rpm
Motor protection rating:	IP 20	
Admissible ambient temperature:	+5 to +40°C	+41 to +104°F
Dimensions:	see dimension sheet	
Weight:	14.0 kg	30.9 lbs

Technical data are subject to change

## Technical Data

Product: SCROLLVAC SC 15 D  
 Part No.: 133001

Inlet connection:	DN 25 ISO-KF	
Outlet connection:	DN 16 ISO-KF	
Nominal pumping speed at 50 Hz:	15.0 m <sup>3</sup> /h	8.8 cfm
Nominal pumping speed at 60 Hz:	18.0 m <sup>3</sup> /h	10.6 cfm
Pumping speed at 50 Hz:	13.0 m <sup>3</sup> /h	7.7 cfm
Pumping speed at 60 Hz:	15.5 m <sup>3</sup> /h	9.1 cfm
Ultimate total pressure without purge gas:	1.6 x 10 <sup>-2</sup> mbar	1.2 x 10 <sup>-2</sup> Torr
Ultimate total pressure with purge gas:	1.6 x 10 <sup>-2</sup> mbar	1.2 x 10 <sup>-2</sup> Torr
Water vapor tolerance at 50/60 Hz:	0.11 mbar	0.08 Torr
Water vapor capacity at 50/60 Hz:	1.04 g/h	
Purge gas quantity:	10 l/min	
Noise level to DIN 45 635		
without purge gas:	≤ 58 dB(A)	
with purge gas:	≤ 66 dB(A)	
Leak rate:	1.0 x 10 <sup>-6</sup> mbar l/s	
Mains connection:	1-ph, 200-230 V, 50/60 Hz	
Motor rating:	400 W	0.54 HP
Rotation speed at 50 Hz:	1.450 min <sup>-1</sup>	1.450 rpm
Rotation speed at 60 Hz:	1.730 min <sup>-1</sup>	1.730 rpm
Motor protection rating:	IP 20	
Admissible ambient temperature:	+5 to +40°C	+41 to +104°F
Dimensions:	see dimension sheet	
Weight:	25.0 kg	55.2 lbs

Technical data are subject to change

## Technical Data

Product: SCROLLVAC SC 15 D  
 Part No.: 133003

Inlet connection:	DN 25 ISO-KF	
Outlet connection:	DN 16 ISO-KF	
Nominal pumping speed at 50 Hz:	15.0 m <sup>3</sup> /h	8.8 cfm
Nominal pumping speed at 60 Hz:	18.0 m <sup>3</sup> /h	10.6 cfm
Pumping speed at 50 Hz:	13.0 m <sup>3</sup> /h	7.7 cfm
Pumping speed at 60 Hz:	15.5 m <sup>3</sup> /h	9.1 cfm
Ultimate total pressure without purge gas:	1.6 x 10 <sup>-2</sup> mbar	1.2 x 10 <sup>-2</sup> Torr
Ultimate total pressure with purge gas:	1.6 x 10 <sup>-2</sup> mbar	1.2 x 10 <sup>-2</sup> Torr
Water vapor tolerance at 50/60 Hz:	0.11 mbar	0.08 Torr
Water vapor capacity at 50/60 Hz:	1.04 g/h	
Purge gas quantity:	10 l/min	
Noise level to DIN 45 635		
without purge gas:	≤ 58 dB(A)	
with purge gas:	≤ 66 dB(A)	
Leak rate:	1.0 x 10 <sup>-6</sup> mbar l/s	
Mains connection:	3-ph, 200 V, 380-415 V, 50 Hz 3-ph, 200-230 V, 460 V, 60 Hz	
Motor rating:	400 W	0.54 HP
Rotation speed at 50 Hz:	1.450 min <sup>-1</sup>	1.450 rpm
Rotation speed at 60 Hz:	1.730 min <sup>-1</sup>	1.730 rpm
Motor protection rating:	IP 20	
Admissible ambient temperature:	+5 to +40°C	+41 to +104°F
Dimensions:	see dimension sheet	
Weight:	23.0 kg	50.8 lbs

Technical data are subject to change

## Technical Data

Product: SCROLLVAC SC 15 D  
 Part No.: 133101

Inlet connection:	DN 25 ISO-KF	
Outlet connection:	DN 16 ISO-KF	
Nominal pumping speed at 50 Hz:	15.0 m <sup>3</sup> /h	8.8 cfm
Nominal pumping speed at 60 Hz:	18.0 m <sup>3</sup> /h	10.6 cfm
Pumping speed at 50 Hz:	13.0 m <sup>3</sup> /h	7.7 cfm
Pumping speed at 60 Hz:	15.5 m <sup>3</sup> /h	9.1 cfm
Ultimate total pressure without purge gas:	1.6 x 10 <sup>-2</sup> mbar	1.2 x 10 <sup>-2</sup> Torr
Ultimate total pressure with purge gas:	1.6 x 10 <sup>-2</sup> mbar	1.2 x 10 <sup>-2</sup> Torr
Water vapor tolerance at 50/60 Hz:	0.11 mbar	0.08 Torr
Water vapor capacity at 50/60 Hz:	1.04 g/h	
Purge gas quantity:	10 l/min	
Noise level to DIN 45 635		
without purge gas:	≤ 58 dB(A)	
with purge gas:	≤ 66 dB(A)	
Leak rate:	1.0 x 10 <sup>-6</sup> mbar l/s	
Mains connection:	1-ph, 100 V, 50 Hz / 100-115 V, 60 Hz	
Motor rating:	400 W	0.54 HP
Rotation speed at 50 Hz:	1.450 min <sup>-1</sup>	1.450 rpm
Rotation speed at 60 Hz:	1.730 min <sup>-1</sup>	1.730 rpm
Motor protection rating:	IP 20	
Admissible ambient temperature:	+5 to +40°C	+41 to +104°F
Dimensions:	see dimension sheet	
Weight:	25.0 kg	55.2 lbs

Technical data are subject to change

## Technical Data

Product: SCROLLVAC SC 30 D  
 Part No.: 133002

Inlet connection:	DN 40 ISO-KF	
Outlet connection:	DN 25 ISO-KF	
Nominal pumping speed at 50 Hz:	30.0 m <sup>3</sup> /h	17.7 cfm
Nominal pumping speed at 60 Hz:	36.0 m <sup>3</sup> /h	21.2 cfm
Pumping speed at 50 Hz:	26.0 m <sup>3</sup> /h	13.3 cfm
Pumping speed at 60 Hz:	31.0 m <sup>3</sup> /h	18.3 cfm
Ultimate total pressure without purge gas:	1.0 x 10 <sup>-2</sup> mbar	7.5 x 10 <sup>-3</sup> Torr
Ultimate total pressure with purge gas:	1.0 x 10 <sup>-2</sup> mbar	7.5 x 10 <sup>-3</sup> Torr
Water vapor tolerance at 50/60 Hz:	0.05 mbar	0.04 Torr
Water vapor capacity at 50/60 Hz:	1.04 g/h	
Purge gas quantity:	10 l/min	
Noise level to DIN 45 635		
without purge gas:	≤ 62 dB(A)	
with purge gas:	≤ 70 dB(A)	
Leak rate:	1.0 x 10 <sup>-6</sup> mbar l/s	
Mains connection:	1-ph, 200/230 V, 50/60 Hz	
Motor rating:	600 W	0.82 HP
Rotation speed at 50 Hz:	1.450 min <sup>-1</sup>	1.450 rpm
Rotation speed at 60 Hz:	1.730 min <sup>-1</sup>	1.730 rpm
Motor protection rating:	IP 20	
Admissible ambient temperature:	+5 to +40°C	+41 to +104°F
Dimensions:	see dimension sheet	
Weight:	44.0 kg	97.1 lbs

Technical data are subject to change

## Technical Data

Product: SCROLLVAC SC 30 D  
Part No.: 133004

Inlet connection:	DN 40 ISO-KF	
Outlet connection:	DN 25 ISO-KF	
Nominal pumping speed at 50 Hz:	30.0 m <sup>3</sup> /h	17.7 cfm
Nominal pumping speed at 60 Hz:	36.0 m <sup>3</sup> /h	21.2 cfm
Pumping speed at 50 Hz:	26.0 m <sup>3</sup> /h	13.3 cfm
Pumping speed at 60 Hz:	31.0 m <sup>3</sup> /h	18.3 cfm
Ultimate total pressure without purge gas:	1.0 x 10 <sup>-2</sup> mbar	7.5 x 10 <sup>-3</sup> Torr
Ultimate total pressure with purge gas:	1.0 x 10 <sup>-2</sup> mbar	7.5 x 10 <sup>-3</sup> Torr
Water vapor tolerance at 50/60 Hz:	0.05 mbar	0.04 Torr
Water vapor capacity at 50/60 Hz:	1.04 g/h	
Purge gas quantity:	10 l/min	
Noise level to DIN 45 635		
without purge gas:	≤ 62 dB(A)	
with purge gas:	≤ 70 dB(A)	
Leak rate:	1.0 x 10 <sup>-6</sup> mbar l/s	
Mains connection:	3-ph, 200 V, 380-415 V, 50 Hz 3-ph, 200-230 V, 460 V, 60 Hz	
Motor rating:	600 W	0.82 HP
Rotation speed at 50 Hz:	1.450 min <sup>-1</sup>	1.450 rpm
Rotation speed at 60 Hz:	1.730 min <sup>-1</sup>	1.730 rpm
Motor protection rating:	IP 20	
Admissible ambient temperature:	+5 to +40°C	+41 to +104°F
Dimensions:	see dimension sheet	
Weight:	38.0 kg	83.9 lbs

Technical data are subject to change

## Technical Data

Product: SCROLLVAC SC 30 D  
 Part No.: 133102

Inlet connection:	DN 40 ISO-KF	
Outlet connection:	DN 25 ISO-KF	
Nominal pumping speed at 50 Hz:	30.0 m <sup>3</sup> /h	17.7 cfm
Nominal pumping speed at 60 Hz:	36.0 m <sup>3</sup> /h	21.2 cfm
Pumping speed at 50 Hz:	26.0 m <sup>3</sup> /h	13.3 cfm
Pumping speed at 60 Hz:	31.0 m <sup>3</sup> /h	18.3 cfm
Ultimate total pressure without purge gas:	1.0 x 10 <sup>-2</sup> mbar	7.5 x 10 <sup>-3</sup> Torr
Ultimate total pressure with purge gas:	1.0 x 10 <sup>-2</sup> mbar	7.5 x 10 <sup>-3</sup> Torr
Water vapor tolerance at 50/60 Hz:	0.05 mbar	0.04 Torr
Water vapor capacity at 50/60 Hz:	1.04 g/h	
Purge gas quantity:	10 l/min	
Noise level to DIN 45 635		
without purge gas:	≤ 62 dB(A)	
with purge gas:	≤ 70 dB(A)	
Leak rate:	1.0 x 10 <sup>-6</sup> mbar l/s	
Mains connection:	1-ph, 100 V, 50 Hz / 100-115 V, 60 Hz	
Motor rating:	600 W	0.82 HP
Rotation speed at 50 Hz:	1.450 min <sup>-1</sup>	1.450 rpm
Rotation speed at 60 Hz:	1.730 min <sup>-1</sup>	1.730 rpm
Motor protection rating:	IP 20	
Admissible ambient temperature:	+5 to +40°C	+41 to +104°F
Dimensions:	see dimension sheet	
Weight:	44.0 kg	97.1 lbs

Technical data are subject to change



## Technical Data

Product: SCROLLVAC SC 60 D  
 Part No.: 133008

Inlet connection:	DN 40 ISO-KF	
Outlet connection:	DN 40 ISO-KF	
Nominal pumping speed at 50 Hz:	60.0 m <sup>3</sup> /h	35.4 cfm
Nominal pumping speed at 60 Hz:	72.0 m <sup>3</sup> /h	42.4 cfm
Pumping speed at 50 Hz:	52.0 m <sup>3</sup> /h	30.6 cfm
Pumping speed at 60 Hz:	62.0 m <sup>3</sup> /h	36.5 cfm
Ultimate total pressure without purge gas:	1.0 x 10 <sup>-2</sup> mbar	7.5 x 10 <sup>-3</sup> Torr
Ultimate total pressure with purge gas:	1.0 x 10 <sup>-2</sup> mbar	7.5 x 10 <sup>-3</sup> Torr
Water vapor tolerance at 50/60 Hz:	0.03 mbar	0.025 Torr
Water vapor capacity at 50/60 Hz:	1.04 g/h	
Purge gas quantity:	10 l/min	
Noise level to DIN 45 635		
without purge gas:	≤ 67 dB(A)	
with purge gas:	≤ 74 dB(A)	
Leak rate:	1.0 x 10 <sup>-4</sup> mbar l/s	
Mains connection:	3-ph, 200 V, 380-400-415 V, 50 Hz 3-ph, 200-220-230 V, 460 V, 60 Hz	
Motor rating:	1.4 KW	1.90 HP
Rotation speed at 50 Hz:	1.460 min <sup>-1</sup>	1.460 rpm
Rotation speed at 60 Hz:	1.760 min <sup>-1</sup>	1.760 rpm
Motor protection rating:	IP 20	
Admissible ambient temperature:	+5 to +40°C	+41 to +104°F
Dimensions:	see dimension sheet	
Weight:	60.0 kg	132.5 lbs

Technical data are subject to change