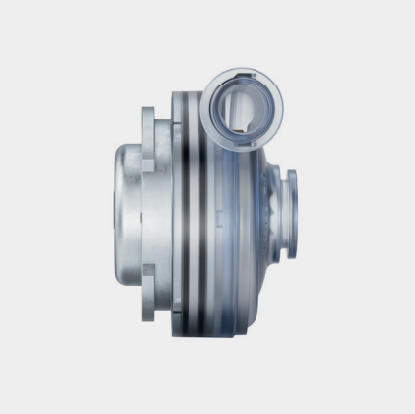
DATA SHEET

U65ML-024KS-5



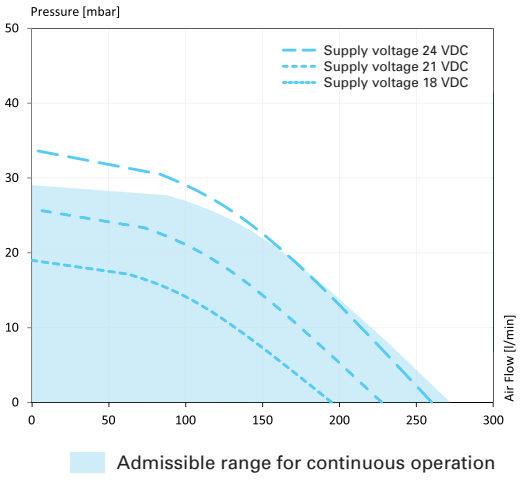
APPLICATION

The compact Micronel blower type U65ML-024KS-5 is a member of the new U65 Form Fit Lineup and has been specifically designed for demanding CPAP sleep apnea ventilation applications.

FEATURES

- 24 V brushless operation
- Highly efficient, ultra-quiet operation
- Uniform PQ characteristics and mounting system throughout the entire U65 Form Fit Line familiy
- High dynamic responsivness
- Cabled Molex connection

PQ CHARACTERISTICS



Admissible range for continuous operation

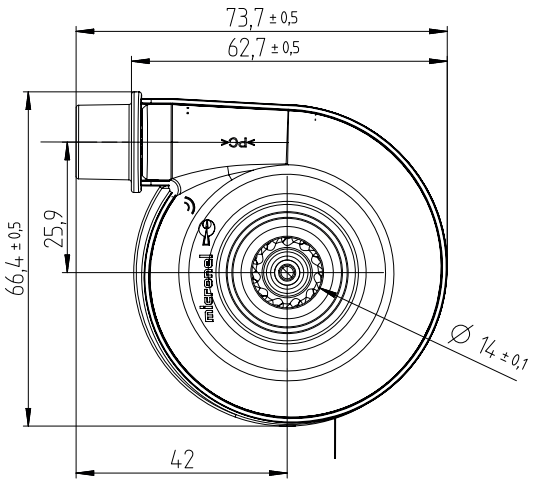
Components	Material
Product type	Radial blower
Characteristic is valid under following conditions	• Medium Air • Norm density 1.2 kg/m³ Ambient temperature 25°C
Blower limits	Exceeding the blower limits during continuous operation may cause permanent damage. Handle in power-off conditions only! The general tolerances of ISO 13348 Grade AN4 apply for this blower. Rated speed is 31'000 rpm, air density 1.2 kg/m³, at 25°C. Delta-p and Q, +/-10%, Power consumption +16%, acoustics +6 dB(A).

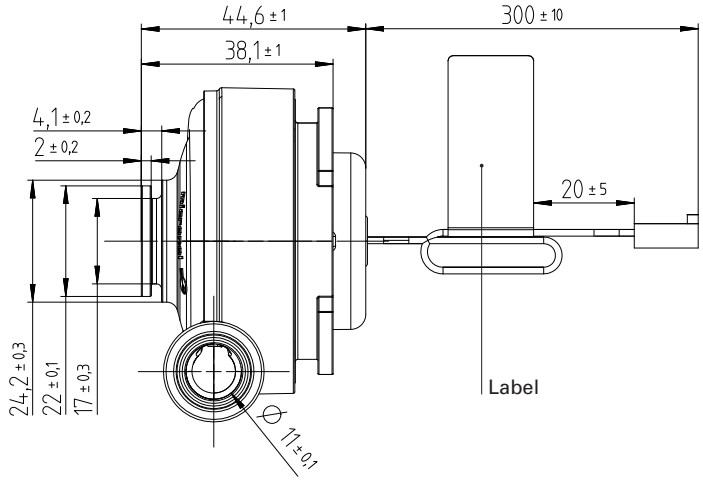
SPECIFICATIONS

Electrical	Measuring Unit	Minimum	Typical	Maximum
Supply voltage range	[VDC]	5	24	26.4
Power consumption (free blowing at nominal voltage)	[W]			20
Pneumatic (Pressure)				
Air flow (free blowing at nominal voltage)	[l/min]		260	
Minimum air flow at rated speed	[l/min]	0		
Stat. pressure at rated speed	[mbar]		29	
Pneumatic (Vacuum)				
Air flow (free blowing at nominal voltage)	[l/min]		264	
Minimum air flow at rated speed	[l/min]	0		
Stat. pressure at rated speed	[mbar]		28	
Motor				
Maximum speed for continuous operation	[rpm]			31.000
Acceleration (at nominal voltage)	[rpm/ms]		100	
Life Time				
L10 (1)	[h]		20.000	
Acoustics				
Acoustic level (2)	[dB(A)]		47	

(1) At rated speed and 25°C ambient temperature
(2) Microphone 1 m from inlet, outlet 4 mm orifice via breathing tube into silencer box, 1000 Pa

DRAWINGS MM





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