

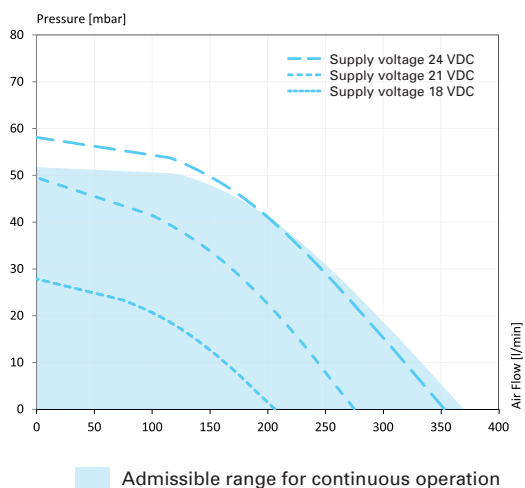
DATA SHEET

**U65MN-024KS-5****APPLICATION**

The compact Micronel blower type U65MN-024KS-5 is a member of the new U65 Form Fit Lineup and has been specifically designed for demanding home-care therapy and transport ventilation applications.

**FEATURES**

- 24 V brushless operation
- With Hall sensor and NTC outputs
- Highly efficient, ultra-quiet operation
- Uniform PQ characteristics and mounting system throughout the entire U65 Form Fit Line family
- Very high dynamic responsiveness
- Cabled Molex connection

**PQ CHARACTERISTICS****Components**

Product type

**Material**

Radial blower

Characteristic is valid under following conditions

- Medium Air
- Norm density 1.2 kg/m<sup>3</sup>
- 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 42'000 rpm, air density 1.2 kg/m<sup>3</sup>, 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]			45
<b>Pneumatic (Pressure)</b>				
Air flow (free blowing at nominal voltage)	[l/min]		353	
Minimum air flow at rated speed	[l/min]	0		
Stat. pressure at rated speed	[mbar]		52	
<b>Pneumatic (Vacuum)</b>				
Air flow (free blowing at nominal voltage)	[l/min]		361	
Minimum air flow at rated speed	[l/min]	0		
Stat. pressure at rated speed	[mbar]		50	
<b>Motor</b>				
Maximum speed for continuous operation	[rpm]			42.000
Acceleration (at nominal voltage)	[rpm/ms]		250	
<b>Life Time</b>				
L10 <sup>(1)</sup>	[h]		20.000	
<b>Acoustics</b>				
Acoustic level <sup>(2)</sup>	[dB(A)]		47	

<sup>(1)</sup> At rated speed and 25°C ambient temperature

<sup>(2)</sup> Microphone 1 m from inlet, outlet 4 mm orifice via breathing tube into silencer box, 1000 Pa

## DRAWINGS MM

