Miniature Fans and Blowers

Powering Medical Ventilation

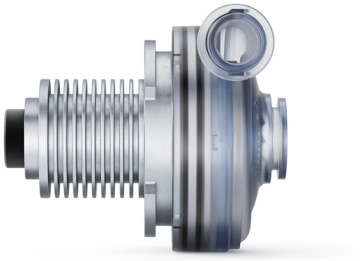
Applications

- ICU
- Neonatal
- Transport
- Subacute
- Emergency
- Cough therapy
- Home care
- Sleep apnea

Product Features

- Brushless motor drives
- Uniform PQ characteristics and mounting system
- Smallest form-factor
- Highly efficient
- Superiour dynamic responsiveness (up to 400 RPM/ms)
- Pressures up to 12300 Pa
- 100% oxygen resistant

Micronel's U65 FORM FIT LINE has become the hallmark for state-of-the-art medical ventilator designs, ranging from sleep apnea up to intensive care units (ICU). These space-saving, high-performance turbines share uniform PQ output characteristics and mounting geometries. The turbines offer the customer the advantage of modular ventilation design concepts using consistent component interfacing. Micronel`s precision engineered products comprise well-balanced, super-low mass rotor systems that enable virtually vibration-free operation and best in class dynamic responsiveness. The brushless motorized impeller and airway systems have been aerodynamically perfected and thus provide superior efficiency and ultra-quiet operation, coupled with highest reliability and life expectancy.



U65HN-024KS-6

Top of the range,
highest speed,
most dynamic behavior!

Static pressure	9500 Pa
Freeflow	435 l/min
Dynamic response	400 RPM/ms
Hall/NTC out	Yes/Yes
O_2 resistance	Yes
Biocompatibility	Yes, ISO 18562
Typical applications	ICU, neonatal, transport

U65MN-024KT-6

High performance,
high speed with
small dimensions!

Static pressure	8000 Pa
Freeflow	350 l/min
Dynamic response	250 RPM/ms
Hall/NTC out	Yes/Yes
O_2 resistance	Optional
Biocompatibility	Yes, ISO 18562
Typical applications	ICU, transport, emergency, home care, subacute

U65MN-024KS-5

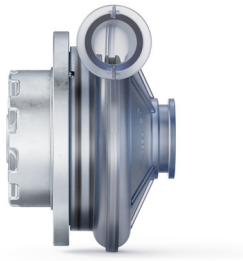
Versatile mid range
blower, higher speed motor,
with Hall sensors!

Static pressure	5400 Pa
Freeflow	340 l/min
Dynamic response	250 RPM/ms
Hall/NTC out	Yes/Yes
O_2 resistance	Optional
Biocompatibility	Yes, ISO 18562
Typical applications	Home care, subacute, emergency

U65ML-024KT-5

Entry level, most economic
blower for high
volume requirements!

Static pressure	4300 Pa
Freeflow	295 l/min
Dynamic response	150 RPM/ms
Hall/NTC out	No/No
O_2 resistance	No
Biocompatibility	Yes, ISO 18562
Typical applications	Sleep apnea, home care



U85MX-024KE-5

Most powerful blower,
where highest pressures
are needed!

Static Pressure	12300 Pa
Freeflow	860 l/min
Dynamic response	100 RPM/ms
Hall/NTC out	Yes/No
O_2 resistance	No
Biocompatibility	Yes, ISO 18562
Typical applications	Cough therapy

(Optionally available with integrated motor controller)

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