

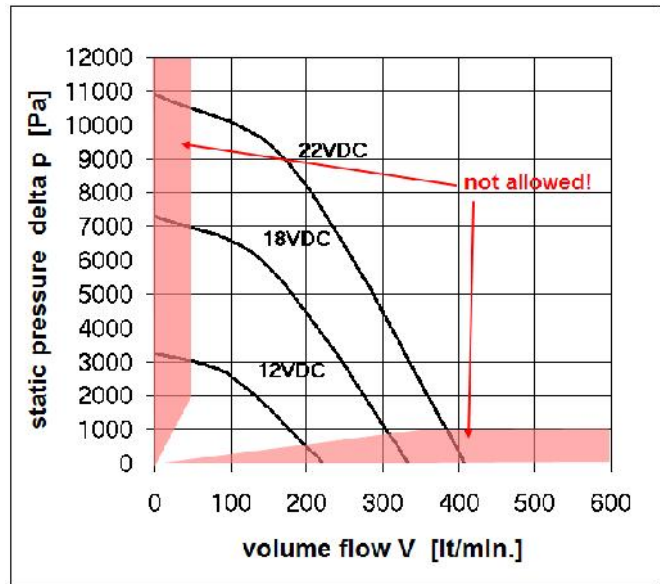


Miniatur Radial Gebläse
Miniature Radial Blower
Ventilateur miniature radial



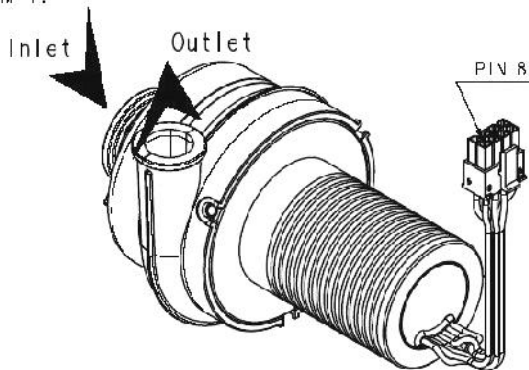
U65H2-024KX-6

18VDC



U65H2

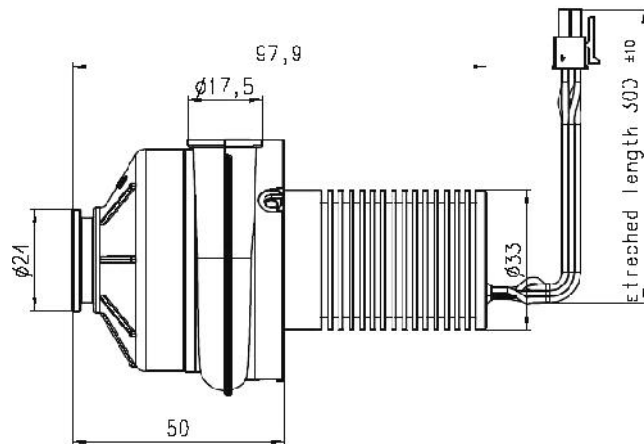
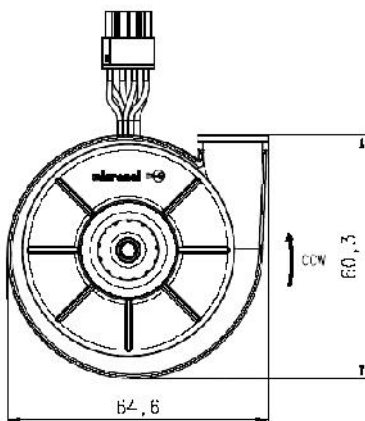
Ansicht:
View ISC
M 1:1



Steckerbelegung / connector pin assignment

Pin 1	Hall sensor 1*	blue	AWG24
Pin 2	Hall sensor 2*	black	AWG24
Pin 3	Vhal 4.5...24VDC	yellow	AWG24
Pin 4	Motorwinding 3	orange	AWG24
Pin 5	Hall sensor 3*	grey	AWG24
Pin 6	GND	green	AWG24
Pin 7	Motorwinding 1	brown	AWG24
Pin 8	Motorwinding 2	red	AWG24

* internal Pull-up (7...13 kohm) to Pin 3



Technische Daten

Technical data

Caractéristiques techniques

Motor

elektronisch kommutierter Motor (mit Hallsensoren) ohne integrierte Elektronik (externe Elektronik nötig).

Motor

electronically commutated motor (with hall sensors) without integrated motor controller (external driver required)


























Moteur

moteur à commutation électronique (avec hall sensor) sans électronique intégré (électronique externe indispensable)

Standardluftdichte 1.2kg/m³

Standard air density 1.2kg/m³

Densité de l'air standard 1,2 kg/m³

			U65H2-024KX-6
	U _N	V	18
	U	V	12 - 22
	I _{N freeblowing}	mA	2264
	I _{N work. point}	mA	1603
	I _{N static}	mA	788
	I _{block}	A	5
	L _{inductance}	mH	0.01
	R _{phase-phase}	Ohm	0.18
	P _{N work. point}	W	30
	n _{freeblowing}	min ⁻¹	33645
	n _{work. point}	min ⁻¹	35019
	n _{static}	min ⁻¹	36364
	V _{freeblowing}	l/min	333
	V _{work. point}	l/min	127
	p _{work. point}	Pa	6245
	p _{static}	Pa	7303
	LpA _(WP)	db(A)	depend on working point
	MTTF _(WP)	hr	15'000 / 25°C (77°F)
	T	°C/°F	-20...+50 / -5...+122
	m	gr/oz	270 / 9.52
	Leads	mm/inch	300 / 11.8 (AWG24) / Connector Molex Microfit 43025-0800
	Housing Material		PC / Impeller PA6
	NTC		optional on request
	Ball Bearing		•
	Tacho		•

Datas of Blower were measured with controll board H015X-522A9

Blower limits

short time use	Speed n [min-1] Temperature on heat sink [°C] Input Power [W]	45'000 max. 85 max. 75 max.
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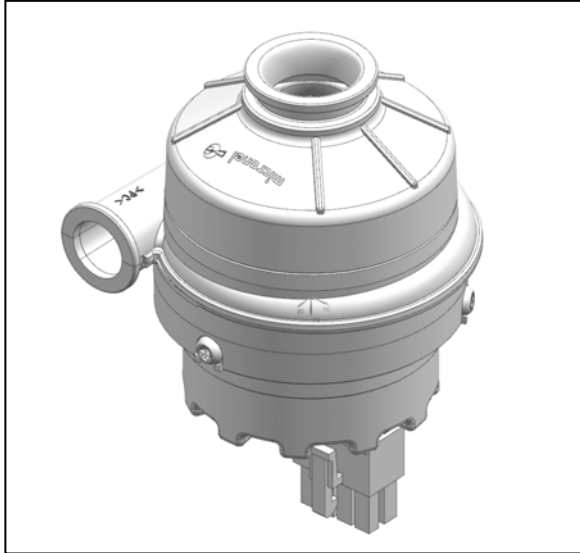
continous	Power continous [W]	25
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Work point

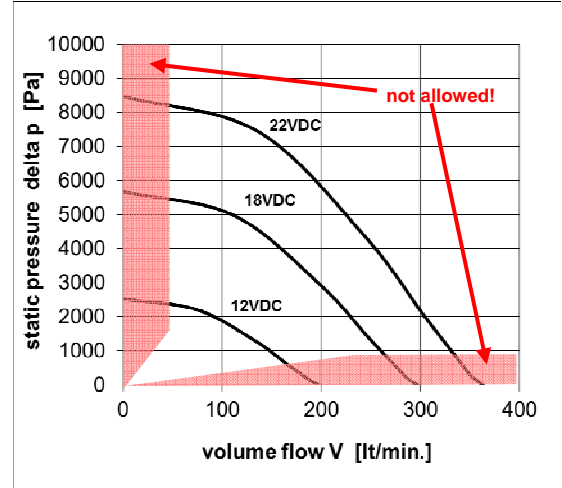
- Do not use the blower free blowing
- minimum Flow of 50 l/min. is necessary

If the blower is used in medical field it is necessary to use an NTC sensor
Dynamic use of the blower must be discussed with Micronel

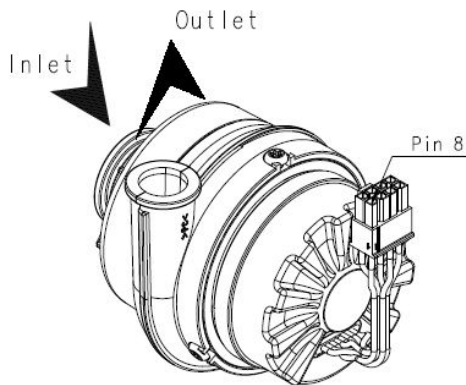
Miniatur Radial Gebl se
Miniature Radial Blower
Ventilateur miniature radial



U65M2-024KX-5 18VDC

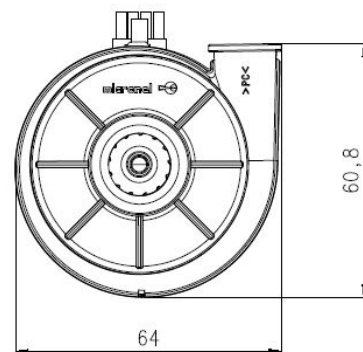
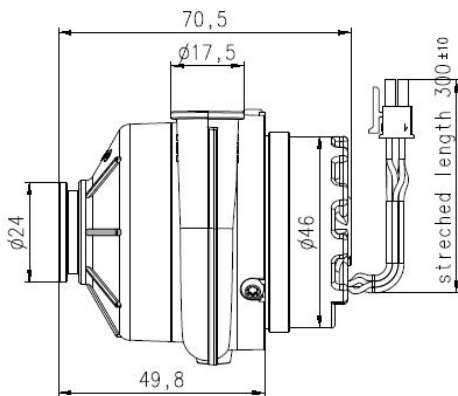


U65M2



Steckerbelegung/ connector pin assignment

Pin 1	Hall sensor 1	blue	AWG24
Pin 2	Hall sensor 2	black	AWG24
Pin 3	Vhal 2.2...18VDC	yellow	AWG24
Pin 4	Motorwinding 3	orange	AWG18
Pin 5	Hall sensor 3	grey	AWG24
Pin 6	GND	green	AWG24
Pin 7	Motorwinding 1	brown	AWG18
Pin 8	Motorwinding 2	red	AWG18



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Caractéristiques techniques

Motor

elektronisch kommutierter Motor (mit Hallsensoren) ohne integrierte Elektronik (externe Elektronik nötig).

Standardluftdichte 1.2kg/m³

Motor
























electronically commutated motor (with hall sensors) without integrated motor controller (external driver required)

Standard air density 1.2kg/m³

Moteur

moteur à commutation électronique (avec hall sensor) sans électronique intégré (électronique externe indispensable)

Densité de l'air standard 1,2 kg/m³

			U65M2-024KX-5
	U _N	V	18
	U	V	12-22
	I _N freeblowing	mA	2'560
	I _N work. point	mA	1'940
	I _N static	mA	1'180
	I _{block}	A	5
	P _N work. point	W	35
	n freeblowing	min ⁻¹	33'330
	n work. point	min ⁻¹	34'335
	n static	min ⁻¹	35'715
	Q freeblowing	l/min	324
	Q work. point	l/min	217
	p work. point	Pa	3'540
	p static	Pa	6'970
	LpA _(WP)	dB(A)	47.5 dB(A) at 1000 Pa (10 mbar) and 1m distance
	MTTF _(WP)	hr	20'000 / 25°C
	T	°C / °F	-20...+45 / -5...+113
	m	gr / oz	290 / 9.32
	Leads	mm / inch	300 / 11.8 (AWG24/18) / Connector Molex Minifit 39-01-2080
	Housing material		PC / Impeller PA6
	Sleeve bearing		N/A
	Ball bearing		●
	Tacho		●

Datas of Blower were measured with control board H015X-522A9

Technische Daten**Technical data****Caractéristiques techniques****Blower limits****short time use****Speed n [min-1]****45'000 max.****Temperature on heat sink [°C]****85 max.****Input Power [W]****75 max.****continous****Power continous [W]****25****Work point****→ Do not use the blower free blowing****→ minimum Flow of 50 l/min. is necessary**