



MXPC63RP-C5030A - 3~230V

Kammervifte EC



- Direktedrevet kammervifte
- Egnet til installasjon i suge- og trykkammer
- Leveres med vibrasjonsdempere
- Leveres med innløpspakning
- Høy virkningsgrad med viftehjul type RadiPac gen III
- GreenTech EC-motor med integrert drift- og styresignal
- Stillegående med optimal luftmengde gjennom viftehjulet
- Komplett enhet og enkel igangsetting
- Robust konstruksjon og vedlikeholdsfri drift
- Styresignal 0-10 VDC / PWM
- Utspenning 10 VDC maks 10 mA
- MODBUS
- Mjukstart
- Innløpskon med måleuttak
- Oppfyller ErP 2015 kravene

Bruk gjerne vår "Mal for oppmåling av aggregat" når kartlegging av eksisterende aggregat gjøres.

Tekniske data	
Beskrivelse	Kammervifte EC
Spenning	3~230 VAC
Spenningsområde	3~200-240 VAC
Frekvens	50 / 60 Hz
Effekt	6,0 kW
Merkestrøm	18,5 A
Turtall	1650 rpm
Luftmengde	6447.00 l/s
Luftmengde	23210.0 m3/h
Luftmengde	13660.0 CFM
K-faktor innløpskone	438 l/s
Motor	M3G150-NA
Motorbetegnelse	R3G630PC1107 - VBS0630PTTRZ
Kapslingsklasse	IP20
Lagertype	Kulelager
Viftehjul	RadiPac - Aluminium
Størrelse	Høyde inkl stativ 830 / 780 mm
Art.nr.	47MXPC63RP-C5030A

Se www.ebmpapst.no for oppdatert informasjon



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Tilbehør til MXPC63RP-C5030A - 3~230V

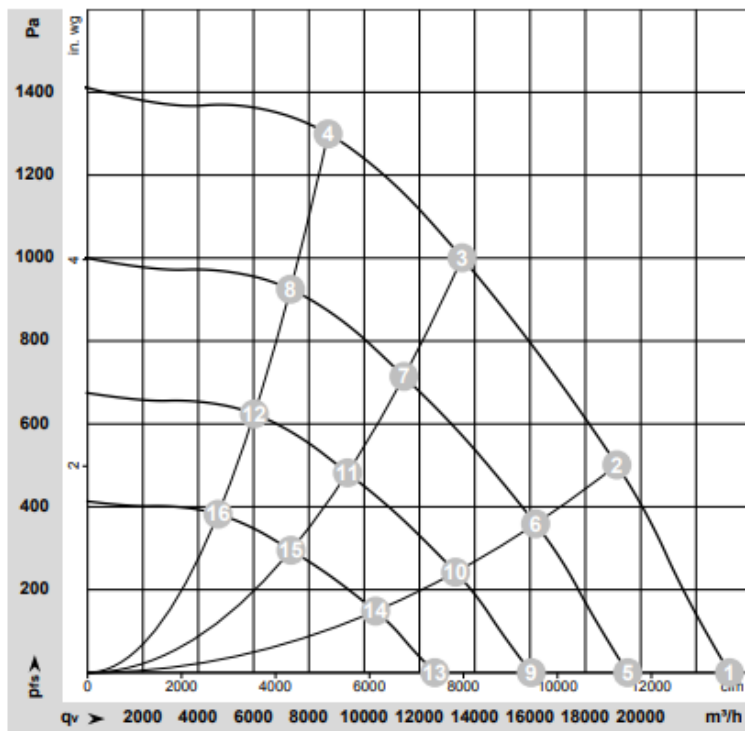
Benevning	Art.nr.	Informasjon
U-profil 115cm	466102207	Stålprofiler for montering av MXAC og MXPC
CALAIR-PR-230V	4615205	EC-Trykkregulator med innebygd trykkgiver, MODBUS m.m.
CXE/AV 230V	4645212	EC-regulator
MultiController E Regulate	470112149	EC-regulator
Multicontroller E 0-100%	470112148	EC-regulator
CCC000AD0602	CCC000AD0602	Digital universalregulator
ES10 Trykk-/lufthast.regulator	470112152	Konstant trykk- eller lufthastighetsregulator
CBC000AE0401	CBC000AE0401	EC-Trinnløs regulering med 3 ulike hastigheter
MTP10	4615210	Potentiometer for manuelt styresignal 0-10V
SMT-D-4P-EM	4615450	4-trinns omkobler for EC-motorer 0-10V
Potentiometer 10 kohm	4617186	Potentiometer for manuelt styresignal 0-10V
Potentiometer for panelmontasje	46707184	Potentiometer med ledning 10 kohm for manuelt styresignal 0-10V
DPC200-EP50	4615254	Differansetrykkregulator 0-50 Pa
DPC200-EP500	4615256	Differansetrykkregulator 0-500 Pa
DPC200-EP1000	4615258	Differansetrykkregulator 0-1000 Pa
DPC200-EP2000	4615267	Differansetrykkregulator 0-2000 Pa
USB - RS485 adapter	21490-1-0174	Adapter USB - RS485



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Diagram



$\rho = 1.15 \text{ kg/m}^3 \pm 2 \%$

Measurement: LU-200856-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

	Wired	U	f	n	P _{ed}	I	LpA _{in}	LwA _{in}	LwA _{out}	Q _v	P _{ts}	Q _v	P _{ts}
		V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	dB(A)	m ³ /h	Pa	cfm	in. wg
1	3~	200	50	1650	3074	9.51	88	95	97	23210	0	13660	0.00
2	3~	200	50	1650	4858	14.83	81	88	92	19140	500	11265	2.01
3	3~	200	50	1650	6000	18.50	78	85	90	13540	1000	7970	4.01
4	3~	200	50	1650	5712	17.40	82	89	94	8700	1300	5120	5.22
5	3~	200	50	1400	1831	5.66	84	91	93	19530	0	11495	0.00
6	3~	200	50	1400	2946	9.00	77	84	88	16200	359	9535	1.44
7	3~	200	50	1400	3582	10.91	74	81	86	11440	715	6735	2.87
8	3~	200	50	1400	3429	10.45	77	85	89	7335	929	4320	3.73
9	3~	200	50	1150	1015	3.14	79	86	88	16040	0	9440	0.00
10	3~	200	50	1150	1633	4.99	72	79	83	13305	242	7830	0.97
11	3~	200	50	1150	1985	6.05	69	76	81	9400	482	5530	1.94
12	3~	200	50	1150	1900	5.79	72	80	84	6025	627	3545	2.52
13	3~	200	50	900	486	1.50	73	80	82	12555	0	7390	0.00
14	3~	200	50	900	783	2.39	66	73	76	10415	148	6130	0.59
15	3~	200	50	900	952	2.90	63	69	75	7355	295	4330	1.18
16	3~	200	50	900	911	2.77	66	73	78	4715	384	2775	1.54

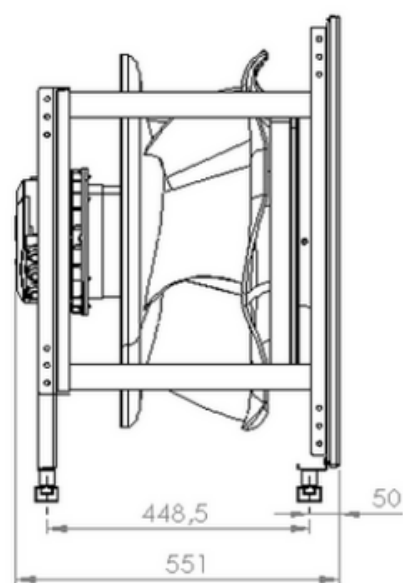
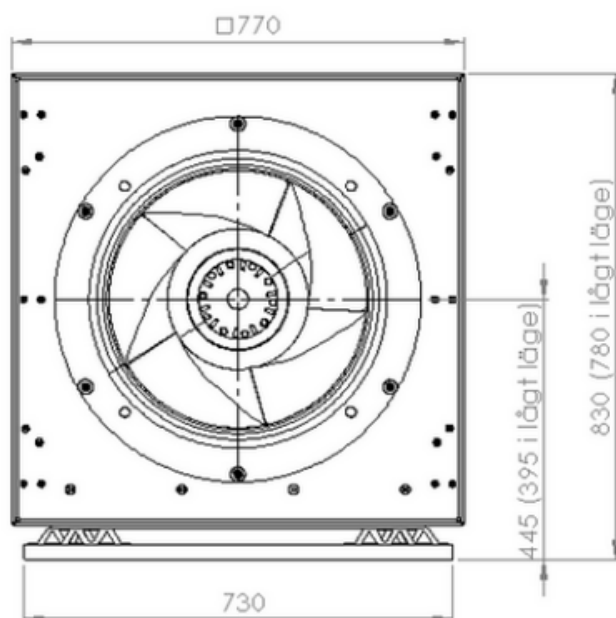
Wired = Wiring · U = Voltage · f = Frequency · n = Speed (rpm) · P_{ed} = Power consumption · I = Current draw · LpA_{in} = Sound pressure level intake side · LwA_{in} = Sound power level intake side
LwA_{out} = Sound power level outlet side · Q_v = Air flow · P_{ts} = Pressure increase



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Tegning

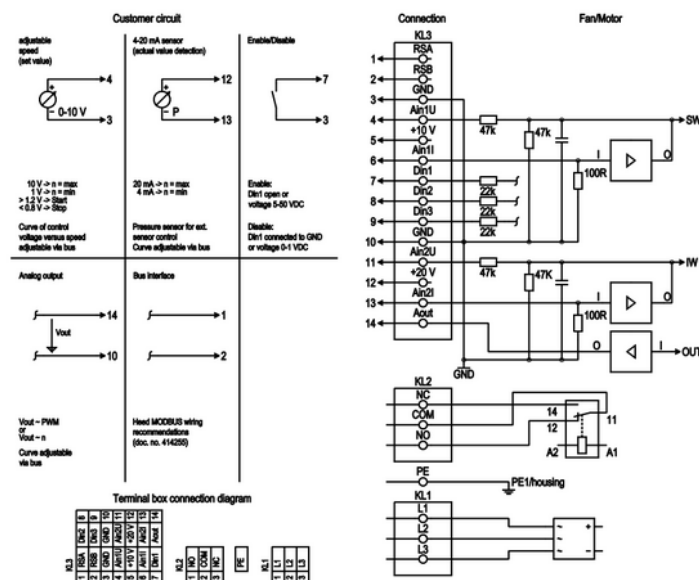




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Koblingsskjema



No.	Conn.	Designation	Function/assignment
KL 1	1	L1	Supply connection, power supply, phase, see nameplate for voltage range
KL 1	2	L2	Supply connection, power supply, phase, see nameplate for voltage range
KL 1	3	L3	Supply connection, power supply, phase, see nameplate for voltage range
PE	PE		Ground connection, PE connection
KL 2	1	NO	Status relay, floating status contact, make for failure
KL 2	2	COM	Status relay, floating status contact, changeover contact, common connection, contact rating, max. 250 VAC/2 A (AC1)/min. 10 mA
KL 2	3	NC	Status relay, floating status contact, break for failure
KL 3	1	RSA	Bus connection RS485, RSA, MODBUS RTU; SELV
KL 3	2	RSB	Bus connection RS485, RSB, MODBUS RTU; SELV
KL 3	3 / 10	GND	Reference ground for control interface, SELV
KL 3	4	Ain1 U	Analog input 1, set value: 0-10 V, Ri = 100 k Ω , adjustable curve, only usable as alternative to input Ain1 I; SELV
KL 3	5	+ 10 V	Fixed voltage output 10 VDC, +10 V $\pm$ 3%, max. 10 mA, short-circuit-proof, power supply for external devices (e.g. pot); SELV
KL 3	6	Ain1 I	Analog input 1, set value: 4-20 mA, Ri = 100 Ω , adjustable curve, only usable as alternative to input Ain1 U; SELV
KL 3	7	Din1	Digital input 1: enable electronics, enable: pin open or applied voltage 5-50 VDC disable: bridge to GND or applied voltage < 1 VDC reset function: triggers software reset after a level change to < 1 VDC; SELV
KL 3	8	Din2	Digital input 2: Switching parameter sets 1/2, according to EEPROM setting, the valid or used parameter set can be selected via bus or via digital input DIN2. Parameter set 1: pin open or applied voltage 5-50 VDC Parameter set 2: bridge to GND or applied voltage < 1 VDC; SELV
KL 3	9	Din3	Digital input 3: Direction of action of integrated controller, according to EEPROM setting, the direction of action of the integrated controller can be selected as normal/inverse via bus or digital input Normal: Pin open or applied voltage 5-50 VDC Inverse: Bridge to GND or applied voltage < 1 VDC; SELV
KL 3	11	Ain2 U	Analog input 2, measured value: 0-10 V, Ri = 100 k Ω , adjustable curve, only usable as alternative to input Ain2 I; SELV
KL 3	12	+ 20 V	Fixed voltage output 20 VDC, +20 V $\pm$ 25/-10%, max. 50 mA, short-circuit-proof, power supply for external devices (e.g. sensors); SELV Alternatively: +24 VDC input for parameterization without line voltage
KL 3	13	Ain2 I	Analog input 2, measured value: 4-20 mA, Ri = 100 Ω , adjustable curve, only usable as alternative to input Ain2 U; SELV
KL 3	14	Aout	Analog output 0-10 V, max. 5 mA, output of current motor modulation level; adjustable curve; SELV



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Kontakt

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