



- EC-motor, hoog rendement
- 100% snelheid regelbaar
- Geïntegreerde motorbeveiliging
- Laag geluidsniveau
- Max. temp. van continue getransporteerde lucht 120°C

EC technologie is een intelligente technologie die gebruik maakt van de interne elektronische regeling om slipverliezen in de motor te elimineren. Ook zorgt de elektronische regeling ervoor dat de ventilator in alle omstandigheden op de meest optimale stand draait. De luchthoeveelheid wordt geregeld door een traploze aansturing 0-10V. Voor dezelfde luchthoeveelheid gebruikt een EC-motor aanzienlijk minder energie dan een standaard AC-motor. Niet alleen bij volle belasting maar vooral ook bij deellast.

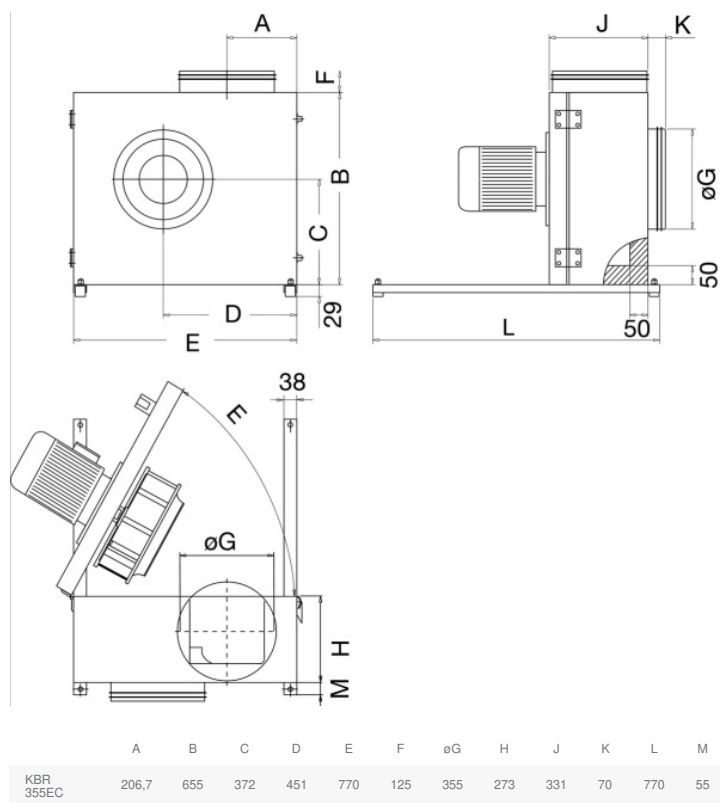
De EC motor staat bekend om zijn economische...

[Meer informatie vind u in onze online catalogus](#)

Technische parameters

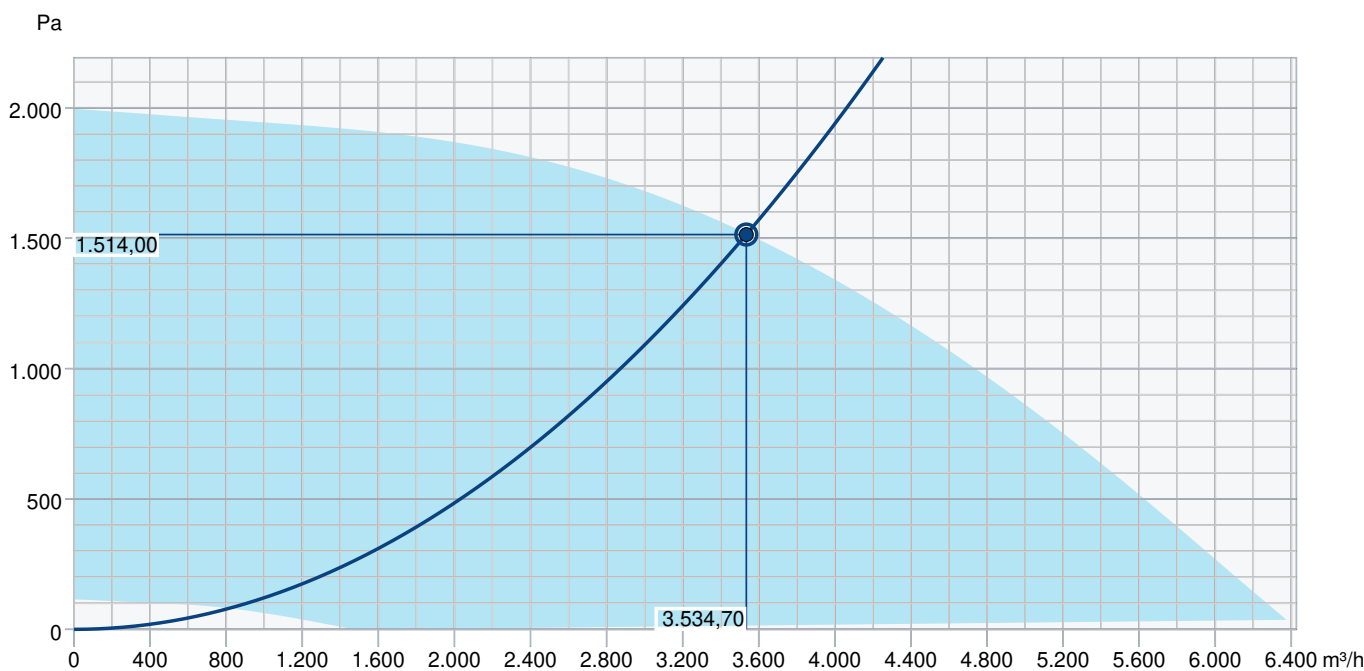
Nominale gegevens	
Spanning (nominiaal)	400 V
Frequentie	50; 60 Hz
Fasen	3~
Ingangsvermogen	2.643 W
Ingangsstroom	4,04 A
Waaiersnelheid	2.626 toeren per minuut
Luchtstroom	max 6.426 m ³ /h
Temperatuur van getransporteerde lucht	max 120 °C
Max. temperatuur van getransporteerde lucht, bij snelheidsregeling	120 °C
Geluidsgegevens	
Geluidsdrukkniveau op 10 m (Vrije veld)	33 dB(A)
Geluidsdrukkniveau op 4m (vrije veld)	41 dB(A)
Bescherming/classificatie	
Dichtheidsklasse, motor	IP55
Isolatieklasse	F
Afmetingen en gewichten	
Kanaalafmeting; Rond, aanvoer	355 mm
Kanaalafmeting; Circulair, afblaas	355 mm
Gewicht	79 kg
Anderen	
Duct connection type	Rond
Motor type	EC

Afmeting



KL 3		KL 2		PE		KL 1	
No.	Conn.	Designation	Function/Assignment	No.	Conn.	Designation	Function/Assignment
KL 1	1	L1	Supply connection, power supply 3-phase 380-480 VAC, 50/60 Hz	KL 1	1	L1	Supply connection, power supply 3-phase 380-480 VAC, 50/60 Hz
KL 1	2	L2	Supply connection, power supply 3-phase 380-480 VAC, 50/60 Hz	KL 1	2	L2	Supply connection, power supply 3-phase 380-480 VAC, 50/60 Hz
KL 1	3	L3	Supply connection, power supply 3-phase 380-480 VAC, 50/60 Hz	KL 1	3	L3	Supply connection, power supply 3-phase 380-480 VAC, 50/60 Hz
PE		PE	(Ground connection, PE) connection	PE		PE	(Ground connection, PE) connection
KL 2	1	NO	Status relay, floating status contact, make for failure	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 250 VAC / max. 2 A (AC1) / min. 10 mA	KL 2	2	COM	Status relay, floating status contact, changeover contact, common connection; contact rating 250 VAC / max. 2 A (AC1) / min. 10 mA
KL 2	3	NC	Status relay, floating status contact, break for failure	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	1	RSA	Bus connection RS485, RSA, MODBUS-RTU, SELV
KL 3	2	RSB	Bus connection RS485, RSB, 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	3/10	GND	Reference ground for control interface, SELV
KL 3	4	An1 U	Analog input 1, set value: 0-10 V, Ri = 100 kΩ, adjustable curve, only usable as alternative to input An1 I, SELV	KL 3	4	An1 U	Analog input 1, set value: 0-10 V, Ri = 100 kΩ, adjustable curve, only usable as alternative to input An1 I, SELV
KL 3	5	+10 V	Fixed voltage output 10 VDC, -10 V ±3%, max. 10 mA, short-circuit-proof power supply for external devices (e.g. pot), SELV	KL 3	5	+10 V	Fixed voltage output 10 VDC, -10 V ±3%, max. 10 mA, short-circuit-proof power supply for external devices (e.g. pot), SELV
KL 3	6	An1 I	Analog input 1, set value: 4-20 mA, Ri = 100 Ω, adjustable curve, only usable as alternative to input An1 U, SELV	KL 3	6	An1 I	Analog input 1, set value: 4-20 mA, Ri = 100 Ω, adjustable curve, only usable as alternative to input An1 U, SELV
KL 3	7	Dn1	Digital input 1: enable electronics, enable: pin open or applied voltage 5-30 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	7	Dn1	Digital input 1: enable electronics, enable: pin open or applied voltage 5-30 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	Dn2	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 (Dn2). Parameter set 1: pin open or applied voltage 5-30 VDC	KL 3	8	Dn2	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 (Dn2). Parameter set 1: pin open or applied voltage 5-30 VDC
KL 3	9	Dn3	Digital input 3: according to EEPROM setting, the inverter controller's direction of action can be selected as normal/inverse via bus or digital input. normal: pin open or applied voltage 5-30 VDC, inverse: bridge to GND or applied voltage < 1 VDC, SELV	KL 3	9	Dn3	Digital input 3: according to EEPROM setting, the inverter controller's direction of action can be selected as normal/inverse via bus or digital input. normal: pin open or applied voltage 5-30 VDC, inverse: bridge to GND or applied voltage < 1 VDC, SELV
KL 3	11	An2 U	Analog input 2, measured value: 0-10 V, Ri = 100 kΩ, adjustable curve, only usable as alternative to input An2 I, SELV	KL 3	11	An2 U	Analog input 2, measured value: 0-10 V, Ri = 100 kΩ, adjustable curve, only usable as alternative to input An2 I, SELV
KL 3	12	+20 V	Fixed voltage output 20 VDC, -20 V ±5%, max. 10 mA, short-circuit-proof power supply for external devices (e.g. sensors); SELV	KL 3	12	+20 V	Fixed voltage output 20 VDC, -20 V ±5%, max. 10 mA, short-circuit-proof power supply for external devices (e.g. sensors); SELV
KL 3	13	An2 I	Analog input 2, measured value: 4-20 mA, Ri = 100 Ω, adjustable curve, only usable as alternative to input An2 U, SELV	KL 3	13	An2 I	Analog input 2, measured value: 4-20 mA, Ri = 100 Ω, adjustable curve, only usable as alternative to input An2 U, SELV
KL 3	14	Out	Analog output 0-10 VDC, max. 5 mA, output of current motor modulation level / motor speed adjustable curve, SELV	KL 3	14	Out	Analog output 0-10 VDC, max. 5 mA, output of current motor modulation level / motor speed adjustable curve, SELV

Prestaties curve



Hydraulische gegevens

vereiste luchthoeveelheid	3.535 m³/h
Vereiste statische druk	1.514 Pa
Echte luchthoeveelheid	3.535 m³/h
Statische druk werken	1.514 Pa
Dichtheid van de lucht	1,204 kg/m³
Vermogen	2,58 kW
Ventilator controle - RPM	2.627 rpm
Huidige	3,90 A
SFP	2,627 kW/m³/s
Stuurspanning	10,0 V
Voedingsspanning	400 V

Geluidsvermogensniveau		63	125	250	500	1k	2k	4k	8k	Totaal
Inlaat	dB(A)	64	74	84	85	82	81	85	85	92
Buiten	dB(A)	64	74	88	83	83	81	84	84	92
Omgevings geluid	dB(A)	28	46	58	56	56	56	57	54	64
Geluidsdrumniveau op 3m (20 m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	57
Geluidsdrumniveau op 3m vrije veld	dB(A)	-	-	-	-	-	-	-	-	43

Accessoires

Accessoires

ASF 355/KB (2719)

EC-BASIS-CO2 EN TEMPERATUUR (24808)

EC-BASIS-T-TEMPERATUUR (24805)

EC-Vent Bedieningspaneel (3018)

MTP 10, 10K, Regeling (32731)

Potentiometer MTP 20, 0-10V (310220)

Step switch S-5EC, 0-10V (76738)

HR1 RAL9003 (215150)

RT 0-30 (5151)

WBK 315/355 (2721)

CXE/AVC Modbus (37256)

EC-BASIS-H-VOCHTIGHEID (24807)

EC-BASIS-U-UNIVERSEEL 0-10V (24806)

EC-Vent control board (3115)

MTV-1/010 Controller 0..10V (30650)

REV-5POL/05-7,5kW R/Y (35757)

CO2RT-R-D zender (6993)

IR24-P (6995)

ALS-KBR (2727)

Documenten

Installation, Operation and Maintenance instruction_004

EC Declaration of Conformity KBT, KBR, MUB-K, MUB-T, MUB-T-S, DVV

EU DECLARATION OF CONFORMITY_THERMOFANS_EN_004.PDF