

This product is discontinued

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This product was replaced by [AW 630D EC Axial fan](#)

[Find more details in our online catalogue](#)



Certifications



Green Ventilation

Technical parameters

Nominal data

Voltage (nominal)	400	V
Frequency	60; 50	Hz
Phases	3~	
Input power	3,175	W
Input power kW	3.175	kW
Input current	4.88	A
Impeller speed	1,510	rpm
Air flow	max 21,197	m³/h
Air flow at max. efficiency	12,945	m³/h
Specific ratio	1,000000	
Temperature of transported air	max 65	°C
Max temperature of transported air, when speed controlled	65	°C

Protection/Classification

Enclosure class, motor	IP55
Insulation class	F

Data according to ErP

ErP ready	ErP 2018
Measurement category	A
Efficiency grade	40 η_{actual}
Efficiency, static	36.9 η_{statA}
Target efficiency grade ErP2013	36 $\eta_{target2013}$
Target efficiency grade ErP2015	40 $\eta_{target2015}$

Dimensions and weights

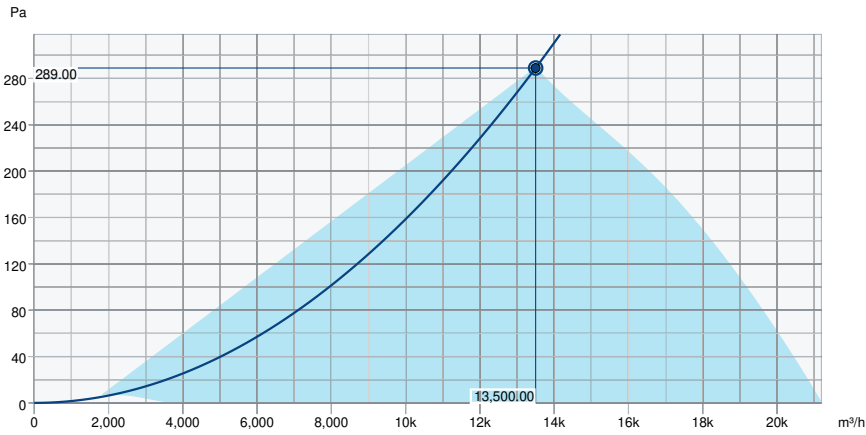
Weight	41.8	kg
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Others

Color name, casing	Black
Motor type	EC

Performance

Performance curve



Hydraulic data

Required air flow	13,500 m³/h
Required static pressure	289 Pa
Working air flow	13,500 m³/h
Working static pressure	289 Pa
Air density	1.204 kg/m³
Power	3,174.3 W
Fan control - RPM	1,503 rpm
Current	4.90 A
SFP	0.846 kW/m³/s
Control voltage	10.0 V
Supply voltage	400 V

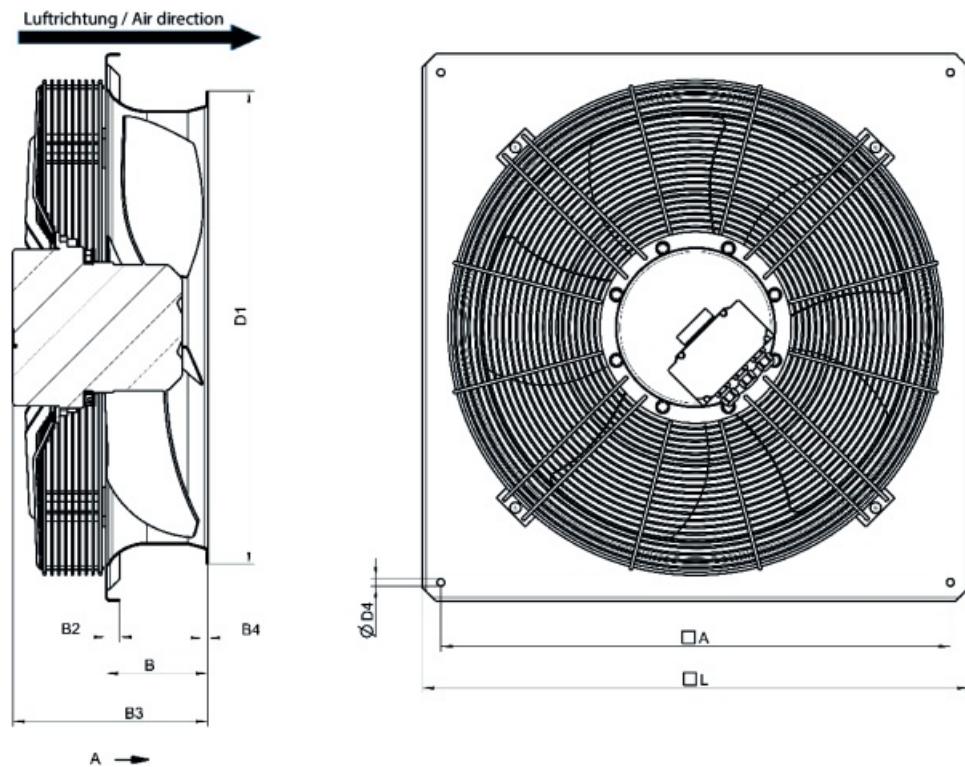
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	61	69	77	81	81	79	75	70	86
Outlet	dB(A)	62	71	78	82	83	80	77	71	88

Ecodesign

Ecodesign 327

Manufacturer	Systemair GmbH
Type	AW 630D EC
Year of manufacture	See name plate of the fan
Air flow qv	12,945 m ³ /h
Efficiency category	static
Efficiency grade N	40
Efficiency grade target N	40
Speed (rpm) n	1,500 rpm
Pressure increase total psf	306 Pa
Power consumption Ped	3,220 W
Overall efficiency	36.9 %
Overall efficiency target	36.9 %
Variable speed drive	Yes
Additional components	Components used to calculate the energy efficiency that are not apparent from the measurement category are detailed in the CE declaration.
Maintenance	Information on installation, operation and maintenance is provided in the operating instructions.
Recycling / disposal	Information on recycling and disposal is provided in the operating instructions.

Dimension



	□A	B	B2	B3	B4	ØD1	ØD4	□L
AW 630D EC sileo	750	150	20	287	-	696	11	805

Wiring

8	Din 2
9	Din 3
10	GND
11	Ain 2 U
12	+ 20 V
13	Ain 2 I
14	Aout

1	NO
2	COM
3	NC

PE

1	L1
2	L2
3	L3

KL 3

KL 2

PE

KL 1

NO.	Pin	Signal	Function / assignment
KL 1	1	L1	Mains supply connection, supply voltage 3~380-480 VAC; 50/60 Hz
KL 1	2	L2	Mains supply connection, supply voltage 3~380-480 VAC; 50/60 Hz
KL 1	3	L3	Mains supply connection, supply voltage 3~380-480 VAC; 50/60 Hz
PE		PE	Earth connection, PE connection
KL 2	1	NO	Status relay, floating status contact; normally open; close with error
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 with error
KL 3	1	RSA	Bus connection RS485; RSA; MODBUS RTU
KL 3	2	RSB	Bus connection RS485; RSB; MODBUS RTU
KL 3	3 / 0	GND	Signal ground for control interface KL3
KL 3	4	Ain 1 U	Analogue input 1 (set value); 0-10 V; Ri= 100 kΩ; parametrisable curves; only usable as alternative to input Ain1 I
KL 3	5	+ 1	Fixed voltage output 10 VDC; ± 10 V; ± 3%; max. 10 mA; short circuit proof; power supply for ext. devices (e.g. potentiometer)

KL3	0	V	Fixed voltage output 20 VDC; +20 V +25/-10 %; max. 50 mA; short circuit proof; power supply for ext. devices (e.g. potentiometer)
KL3	6	Ain1	Analogue input 1 (set value); 4-20 mA; Ri= 100 Ω; parametrisable curves; only usable as alternative to input Ain1 U
KL3	7	Din1	Digital input 1: enabling of electronics; enabling: open pin or applied voltage 5 to 50 VDC; disabling: bridge to GND or applied voltage < 1 VDC; reset function: triggers software reset after a level change to <1 V
KL3	8	Din2	Digital input 2: parameter set switch 1/2; according to EEPROM setting, the valid/used parameter set is selectable per BUS or per digital input DIN2. Parameter set 1: open pin or applied voltage 5 to 50 VDC; parameter set 2: bridge to GND or applied voltage < 1 VDC
KL3	9	Din3	Digital input 3: Control characteristic of the integrated controller; according to EEPROM setting, the control characteristic of the integrated controller is normally/inversely selectable per BUS or per digital input; normal: open pin or applied voltage 5 to 50 VDC (control deviation = actual sensor value - set value) inverse: bridge to GND or applied voltage < 1 VDC (control deviation = set value - actual sensor value)
KL3	11	Ain2 U	Analogue input 2; actual sensor value 0-10 V; Ri= 100 kΩ; parametrisable curve; only usable as alternative to input Ain2 I
KL3	12	+20 V	Fixed voltage output 20 VDC; +20 V +25/-10 %; max. 50 mA; short circuit proof; power supply for ext. devices (e.g. sensors)
KL3	13	Ain2 I	Analogue input 2; actual sensor value 4-20 mA; Ri= 100 Ω; parametrisable curve; only usable as alternative to input Ain2 U
KL3	14	Aout	Analogue output 0-10 V; max. 5 mA; output of the actual motor control factor (output voltage of electronics)/ of the actual motor speed; function selectable per bus; parametrisable curve.

Accessories

- EC-Basic-CO2 and temperature (24808)
- EC-Basic-T temperature (24805)
- EC-Vent control board (3115)
- MTP 10, 10K, Speed control (32731)
- Potentiometer MTP 20, 0-10V (310220)
- Step switch S-5EC-2, 0-10V (449084)
- AW 630D EC Axial fan (448442)
- EC-Basic-H humidity (24807)
- EC-Basic-U universal 0-10V (24806)
- EC-Vent Room Unit (3018)
- MTV-1/010 Controller 0..10V+ (30650)
- REV-5POL/05-7,5kW R/Y (35757)
- VK-71 Louvre shutter (87707)
- REV-5POL/05-7,5kW B/G (281745)

Documents

- MANUAL_AW__AR_EBM_EN_003-MIN.PDF
- DWG - 35872
- EU Declaration of Conformity_002
- installation variations_2_AR_AW.pdf