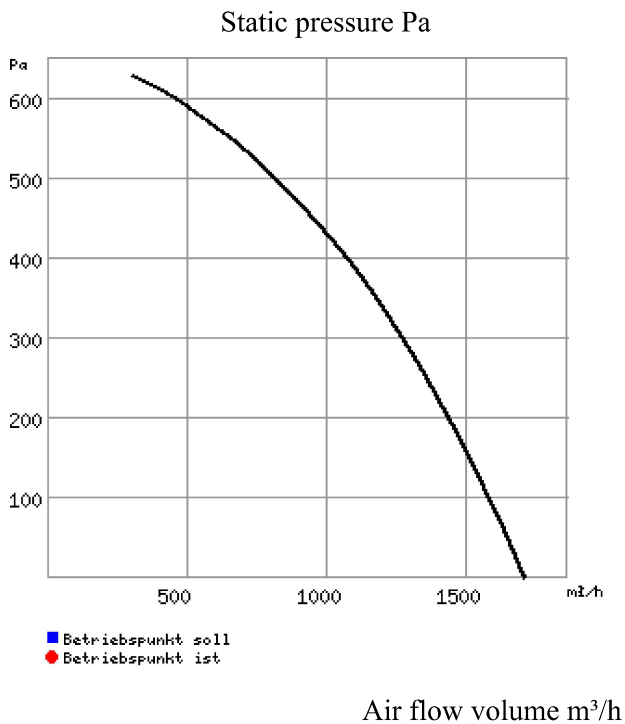


Image



Characteristics



Properties

Ref.no.	4174 - 007	
Model	KWL EC 1400 D PRO WW	
Description	Ceiling unit with heat recovery EC-fans, electric pre-heater battery, water heater battery automatic bypass, graphic display	
Actual pressure	static	
Actual volume		
Max. Vol.	1700 m³/h	
Speed		
FLC un-controlled	11.400 A	
STC un-controlled		
Power consumption	0.45 kW	
Voltage	400 V / 3 ph / 50 Hz	
Max.temp.	40 °C	
Wiring diagram no.	1243	
Weight	190.00 kg	
Delivery time	On request	
Acoustic data:		
Sound in-duct	52 in 1 m	
Case breakout		
Intake	Hz	Total 125 250 500 1k 2k 4k 8k
Lwa Intake	dB(A)	60 51 53 53 50 51 49 45
Lwa Extract	dB(A)	80 63 68 71 71 75 71 70
Lwa Breakout	dB(A)	

Description

KWL EC 1400 D PRO WW

Ceiling unit with heat recovery

EC-fans, electric pre-heater battery, water heater battery

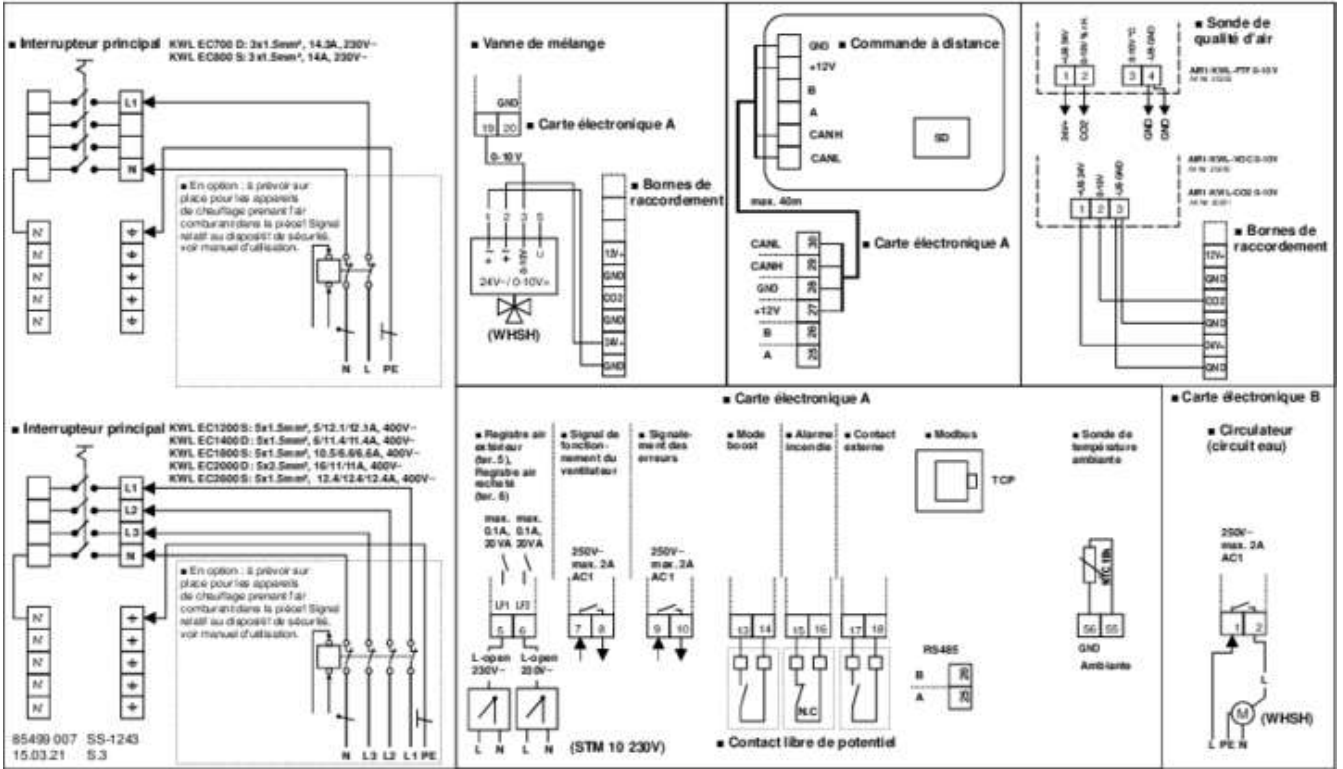
automatic bypass, graphic display

Central ventilation unit for ceiling installation with heat recovery , EC-fans, electric pre-heater battery, automatic bypass, graphic display . Ventilation unit tested according to passive-house standards with efficiency over 80%. With larger surface cross counterflow heat exchanger including automatic bypass with 100% heat exchanger covering and maintenance-free EC-fans. User-friendly operation over self-describing graphic elements with plain text directly at the touchscreen, incl. weekly program, calibration menu, code-protected service menu, etc. Choice between constant air flow volume or constant pressure regulation. Integrated electric pre-heater for extremely cold seasons. In order to achieve a constant supply air temperature a built-in warm water heater battery can be controlled over the unit control by means of the optionally available hydraulic unit WSHH 1100 24V (0-10V). Control of external exhaust and intake air shutters. Via an external switch, the unit can be set in standby mode. In addition, a contact for the fire alarm and additional contact for external control is available. Demand oriented ventilation using CO₂- or humidity sensor.

Accessories

Image	Ref.no.	Model	Description	Group
	20251	AIR1/KWL-CO2 0-10V	Room senso CO2 0-10V output	N
	20252	AIR1/KWL-FTF 0-10V	Room senso FTF 0-10V output	N
	20250	AIR1/KWL-VOC 0-10V	Room sensor VOC 0-10V output	N
	6816	ALB EC-SK 20	Control cable 20m to ALB EC...WW	A
	6817	ALB EC-SK 40	Control cable 40m to ALB EC...WW	A
	4193	ELF-KWL 1400 D/5 VDI	Spare air filter ePM10 50%/M5 to KWL EC 1400D, VDI 6022 1 pc.	L
	4195	ELF-KWL 1400 D/7 VDI	Spare air filter ePM 1 55%/F7 to KWL EC 1400D, VDI 6022 1 pc.	L
	1674	FM 315	FLEXIBLE SLEEVE DIA. 315 MM WITH 2 CLAMPS	A
	1204	FR 315	COUPLING FLANGE 315 MM	A
	4207	KWL-ÜS 1400 D	Adapter piece - symmetrical for KWL EC 1400 D from rectangular unit flange to circular ducting DN 315	L
	2578	RVM 315	MOTORISED BACK DRAUGHT SHUTTER	A
	7277	TFR-ALB/KWL	Temperature sensor for ALB EC .. WW/EH KWL EC 700-2600	A
	8318	WHSH HE 24 V (0-10V)	Hydraulic unit to warm water heater battery temperature controller 0-10 V including hoses	A

Wiring diagram



Dimensions

