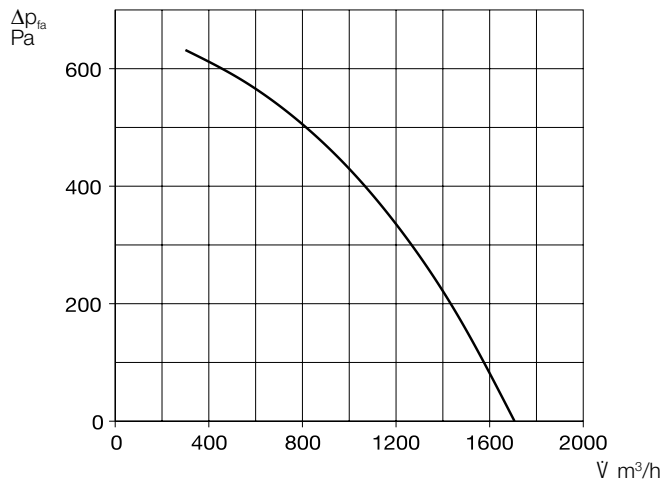


**Performance curve KWL EC 1400 D**

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L <sub>WA</sub>	Extract air	dB(A)	60	51	53	53	50	51	49	45
L <sub>WA</sub>	Supply air	dB(A)	80	63	68	71	71	75	71	70
L <sub>PA</sub> at 1 m	Radiation	dB(A)	53	42	48	48	47	43	33	21


**Included in delivery:**
**Surface comfort control element**

User-friendly control via self-explanatory graphic elements with clear text directly on the touchscreen. Control line (10 metres) included in delivery, other lengths available (ALB EC-SK, accessories).

Dim. mm (WxHxD) 115x80x25



Control element with connection cable (10 m) included in the scope of delivery. Dim. mm (WxHxD) 115 x 80 x 25

**Accessories for Type Pro WW**
**Hydraulic unit**
**WHSH HE 24 V (0-10 V) No. 08318**

Controls the water temperature of the PWW heating element using a three-way valve actuator 24 V (0-10 V) and thus the heat output transferred to the air. Delivered as a complete unit, incl. VL-/RL temperature display, circulating pump and flexible connection hoses.


**Accessories for all types**
**Room sensor – Air quality**

**AIR1/KWL-VOC 0-10V** No. 20250

**AIR1/KWL-CO2 0-10V** No. 20251

**AIR1/KWL-FTF 0-10V** No. 20252

For measuring the CO<sub>2</sub>, mixed gas (VOC) concentration or relative room air humidity. A maximum of one sensor can be connected.

Dim. mm (W x H x D) 85 x 85 x 27


**Room sensor – Temperature**

**TFR-ALB/KWL** No. 07277

For measuring the room temperature and controlling the ventilation unit according to the set value. Incl. 20 m control line. Maximum total of one sensor can be connected.

Dim. mm (W x H x D) 80 x 80 x 25


**Transition piece – Symmetrical**

**KWL-ÜS 1400 D** No. 04207

For acoustic decoupling, incl. 2 pcs. hose clamps.

**Flexible connecting sleeve**

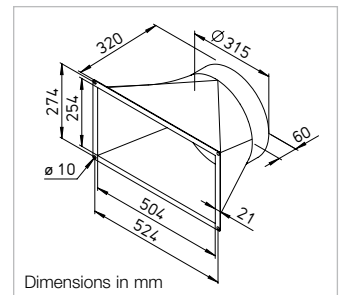
**FM 315** No. 01674

For acoustic decoupling, incl. 2 pcs. hose clamps.

**Duct shutter, motorised**

**RVM 315** No. 02578

Prevents cold draughts when the unit is at a standstill. Automatic function through fan operation, with mounted spring return motor (outside of air flow). Installation in any position.



Dimensions in mm

**Angle flange ring**

**FR 315** No. 01204

Made of galvanised steel sheet, for duct connection.



Technical data	KWL EC 1400 D			KWL EC 1400 D, with warm water post-heater		
	Type	Ref. no.		Type	Ref. no.	
For ceiling installation	KWL EC 1400 D Pro	04173		KWL EC 1400 D Pro WW	04174	
<b>Flow rate at level<sup>1)</sup></b>	<b>③</b>	<b>②</b>	<b>①</b>	<b>③</b>	<b>②</b>	<b>①</b>
Supply air/extract air V m³/h approx.	1000	650	400	1000	650	400
<b>Noise dB(A)<sup>2)</sup></b>						
Supply air L <sub>WA</sub> (sound power)	80	71	60	80	71	60
Extract air L <sub>WA</sub> (sound power)	60	51	39	60	51	39
Radiation L <sub>PA</sub> at 1 m	53	n/a	n/a	53	n/a	n/a
Power consumption fans 2 x W	225	140	80	225	140	80
Voltage/Frequency	3N~, 400 V, 50 Hz			3N~, 400 V, 50 Hz		
Rated current A – Ventilation	6.0 / – / –			6.0 / – / –		
– Preheating	– / 11.4 / 11.4			– / 11.4 / 11.4		
– max. total	6.0 / 11.4 / 11.4			6.0 / 11.4 / 11.4		
Heat output/Postheater kW	–			4.7 (at 60/40 °C) / 4.2 (at 50/40 °C) / 2.7 (at 40/30 °C)		
Electric preheater kW	4.1			4.1		
Summer bypass	automatic			automatic		
Wiring diagram no.	1370			1370		
Temperature operating range	–20 °C to +40 °C			–20 °C to +40 °C		
Connection PWW heating element	–			IG 1/2"		
Weight approx. kg	185			190		

<sup>1)</sup> Values based on operating ranges defined according to PHI (Passive House Institute).

<sup>2)</sup> At 215 Pa.