

Heat Recovery Range

HRV DX2

PRODUCT SHEET



KCT-03 SRPS (A)
Standard controller

Product certified by:



FEATURES

Model	KRE-1500DX1	KRE-2300DX1	KRE-3100DX1
Total power (cooling ¹ / heating ²)	9,9 kW / 8,6 kW	14,2 kW / 12,2 kW	19,3 kW / 17,1 kW
Temperature apprx. in supply (cooling ¹ / heating ²)	15,1°C / 30°C	15,7°C / 29°C	15,6°C / 29°C
Heating efficiency EN308 ³	73%	73%	73%
Expansion valve		Electronic	
No. speeds	3	3	3
Fan type	EC	EC	EC
Air flow rated ⁴	1.500 m ³ /h	2.300 m ³ /h	3.100 m ³ /h
Sound pressure rated ⁵	53 dB(A)	59 dB(A)	58 dB(A)
Rated useful static pressure in supply ⁴	190 Pa	210 Pa	190 Pa
Installed weight	230 kg	250 kg	270 kg
Power supply		230 V / 1 / 50 Hz	
Filtration stages supply/return ⁴	F7 / M5	F7 / M5	F7 / M5
Gas DX battery	R-410A	R-410A	R-410A
Working range ⁶		-5°C ~ 40°C	

¹ Air inlet in DX coil: 13°C BS 40% RH, condensing at 40°C.

² Air inlet in DX coil: 28.5°C BS 50%, evaporating at 7°C.

³ According to regulation UE1253/2014, at nominal performance, with temperature and humidity conditions according to EN308.

⁴ Including filters.

⁵ Sound pressure level at 1 m from the driven unit and nominal flow.

⁶ Std. unit.

REFRIGERATION CONNECTIONS

Ø Tube	Tightening torque	Tube thickness
Ø9,52 (3/8")	20 - 25 N·m	0,8 mm
Ø15,88 (5/8")	54 - 75 N·m	0,8 mm

NOTES:

(1) The data and specifications present in this sheet may vary without notice.

(2) The images on this sheet are indicative and may be different from the final machine.

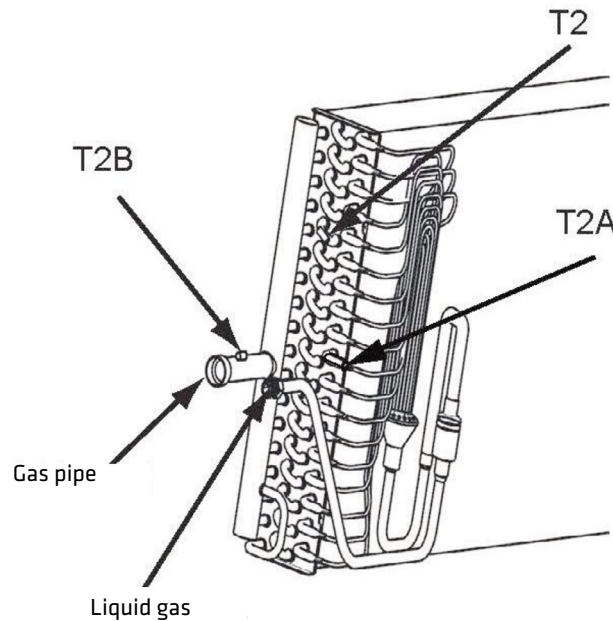
T1: is an AHU inlet air temperature sensor; it should be installed at the air inlet of the AHU.

T2A: is an AHU evaporator inlet temperature sensor; it should be installed at the inlet pipe of the evaporator.

T2: is an AHU evaporator intermediate temperature sensor; it should be installed at the intermediate pipe of the evaporator.

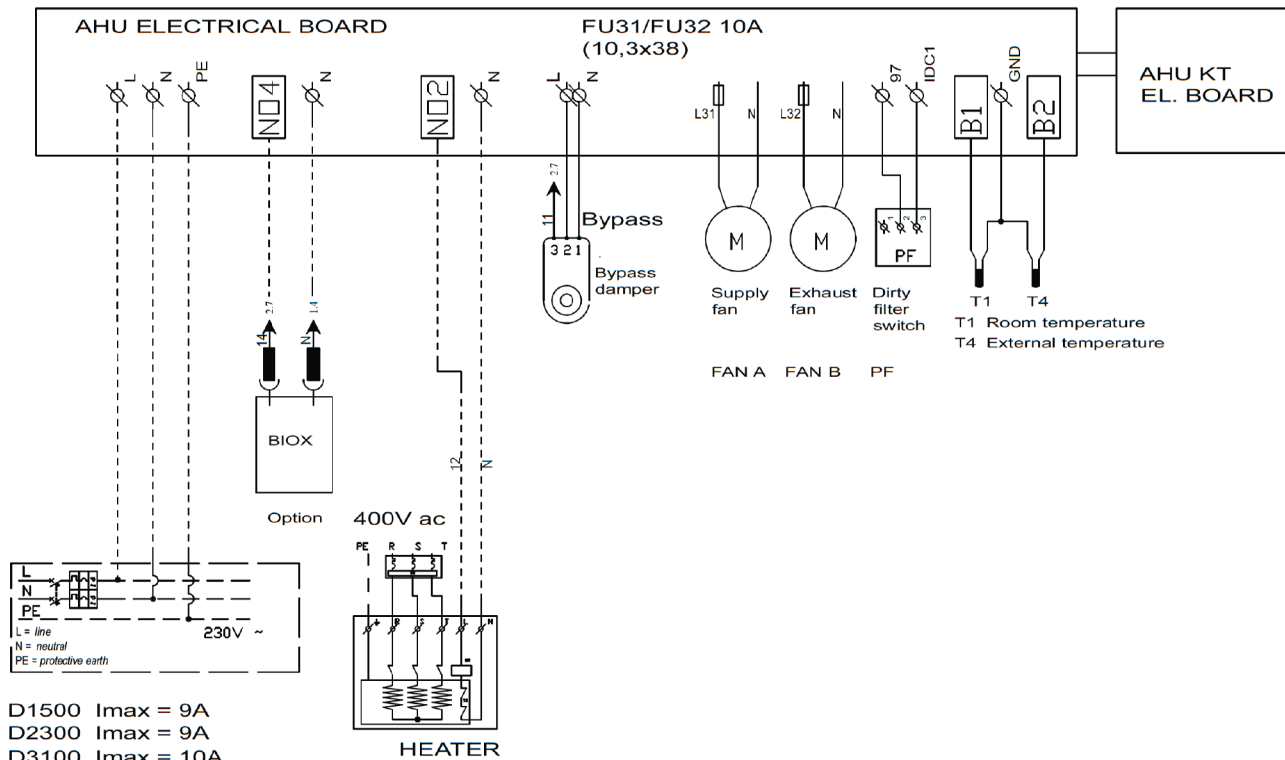
T2B: is an AHU evaporator outlet sensor; it should be installed at the outlet pipe of the evaporator.

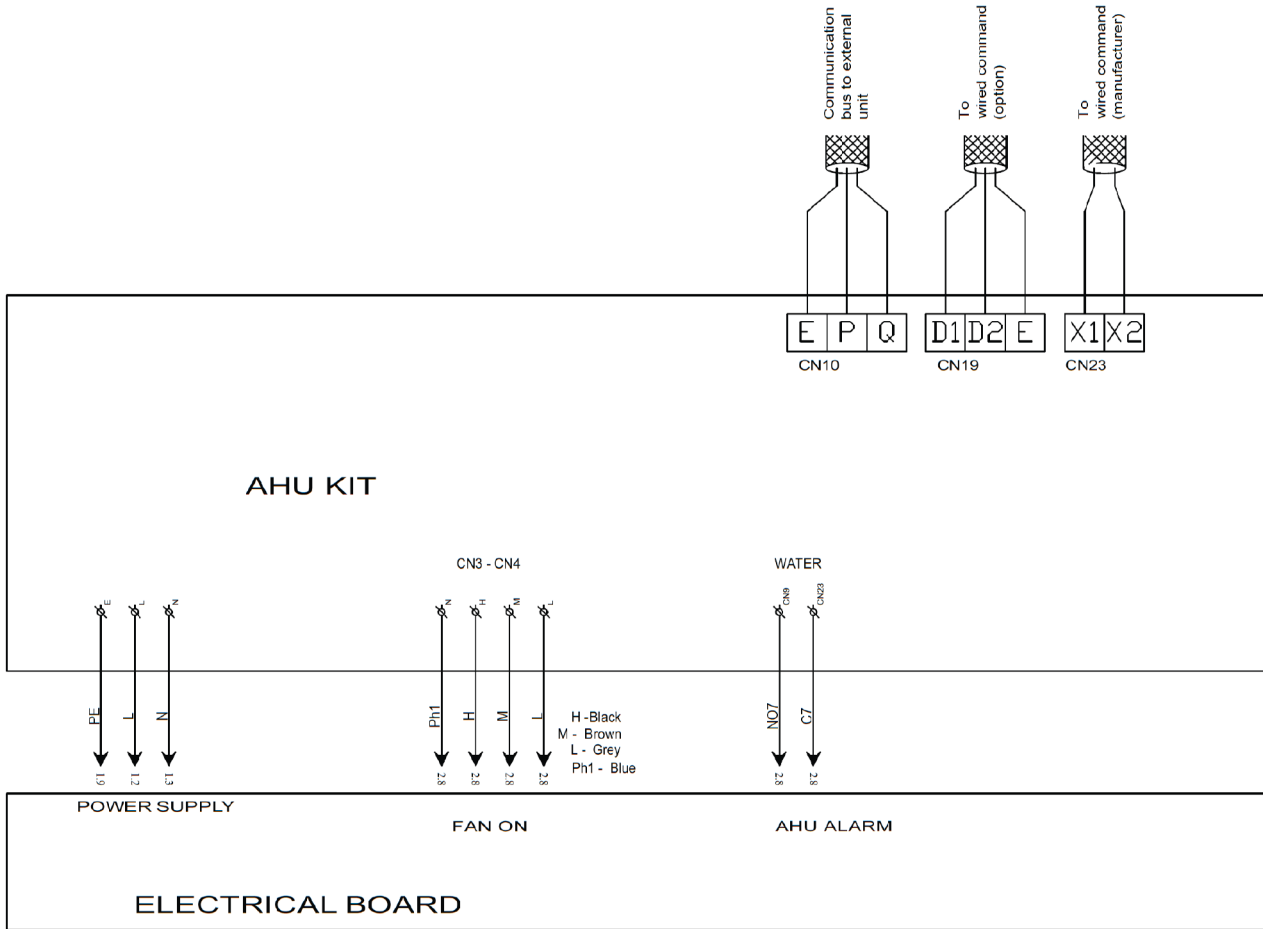
TA: is an outlet air temperature sensor and therefore does not need to be installed if outlet air temperature control is not selected.



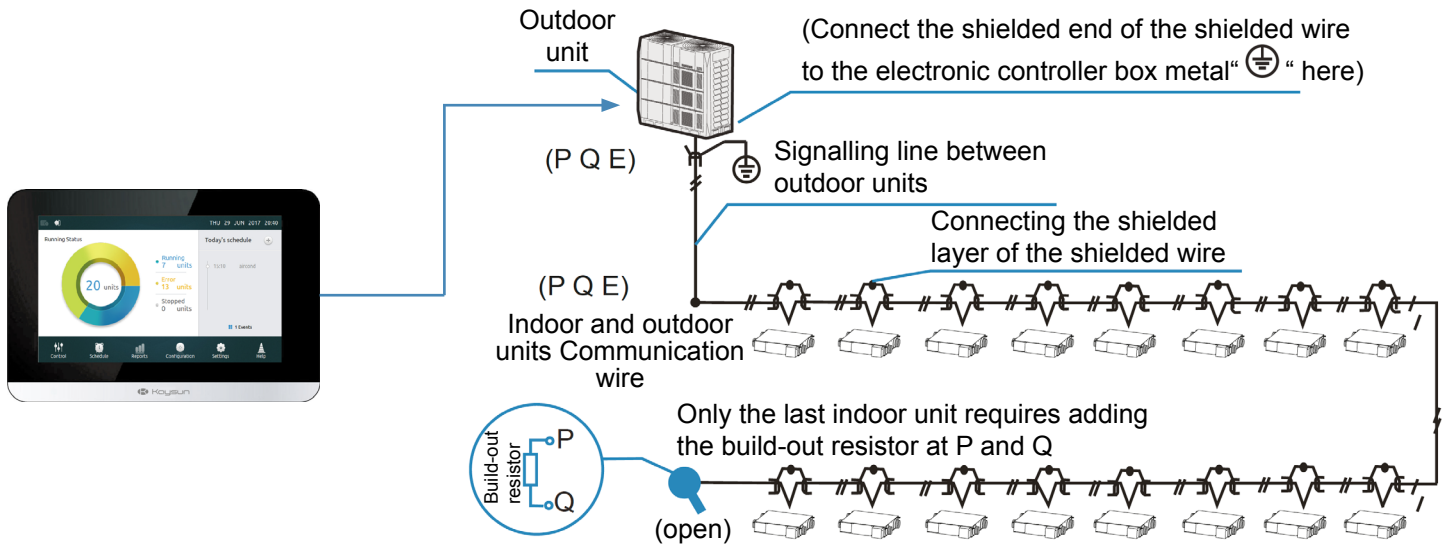
ELECTRICAL CONNECTIONS

LINEA ALIMENTAZIONE: PREDISPORRE A MONTE UNA ADEGUATA PROTEZIONE CON INTERRUITTORE MAGNETOTERMICO DIFFERENZIALE / POWERLINE: PROVIDE A PROPER SAFETY DEVICES EQUIPPED WITH DIFFERENTIAL MAGNETOTHERMAL SWITCH





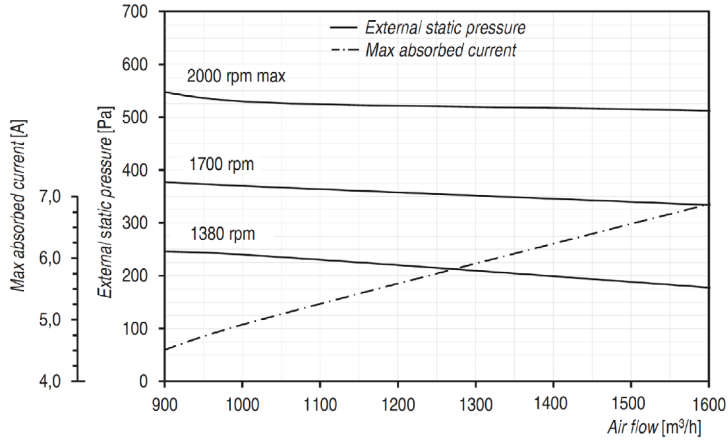
CONNECTIONS TO CENTRALISED CONTROLLER VRF



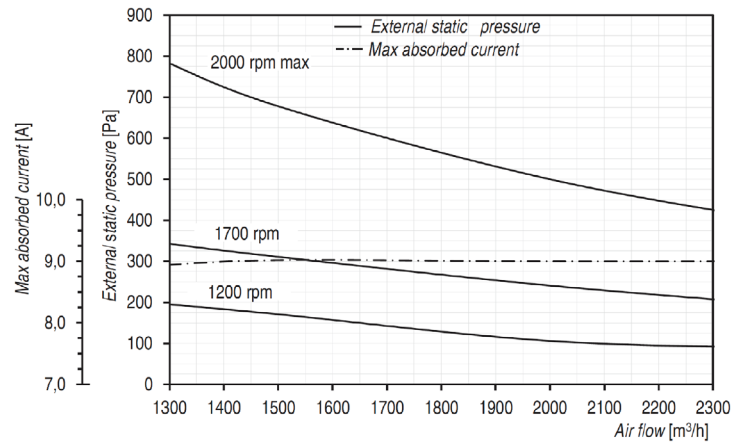


SUPPLY FAN PERFORMANCE

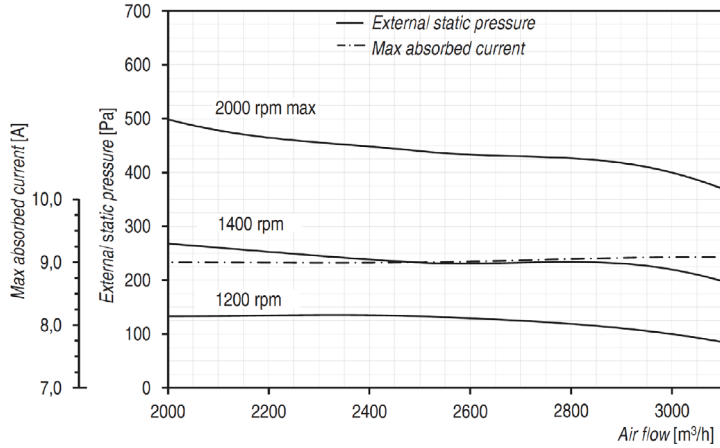
KRE-1500DX1



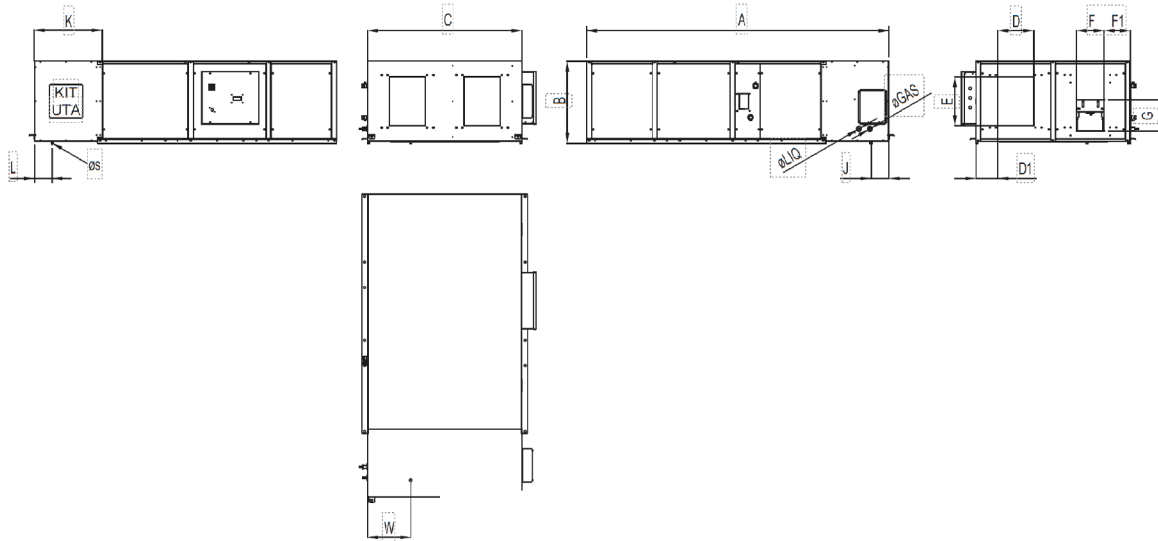
KRE-2300DX1



KRE-3100DX1



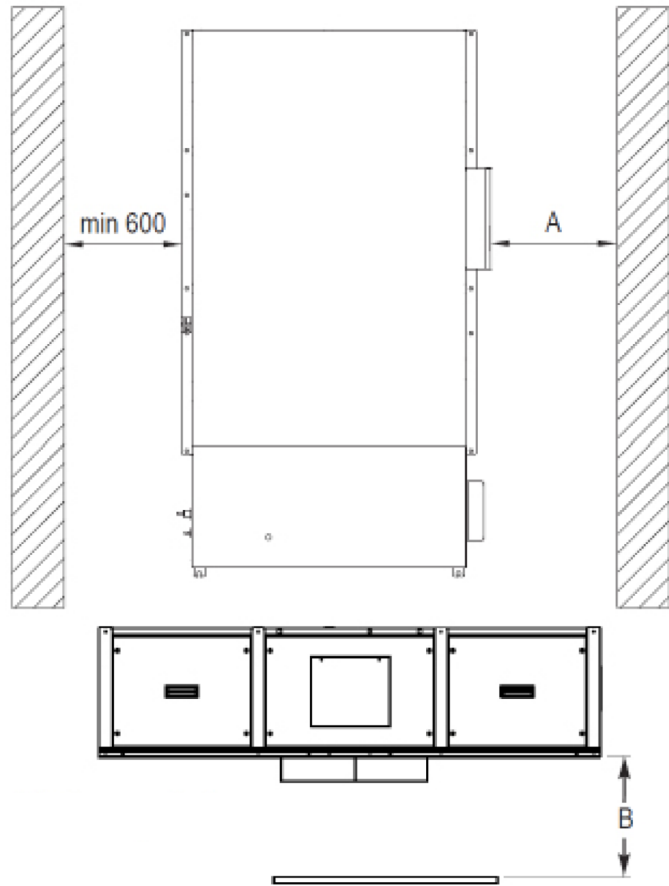
DIMENSIONS



Model	A	B	C	D	D1	E	F	F1	G	LIQ	GAS	L	ØS	K	J	W
KRE-1500DX1	2535	670	1290	300	185	410	230	220	260	Ø12	Ø28	150	1/2"	570	160	360
KRE-2300DX1	2535	670	1290	500	185	410	330	220	290	Ø16	Ø28	150	1/2"	570	160	360
KRE-3100DX1	2635	670	1400	400	160	510	330	195	285	Ø22	Ø28	150	1/2"	570	160	360

INSTALLATION

* Unit for indoor installation



Model	A (mm)	B (mm)
KRE-1500DX1	550	450
KRE-2300DX1	650	500
KRE-3100DX1	700	550