



DXRE 100-50-3-2,5 DUCT COOLER

Item no. 7959

Document type: **Product card**

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Description

Rectangular duct cooler with DX coil

- Same model for left-hand or right-hand installation (reversible coil)
- Stainless steel condensate drip tray. A droplet eliminator can be fitted regardless of the direction of air flow
- Easily removable drip tray to simplify cleaning and inspection

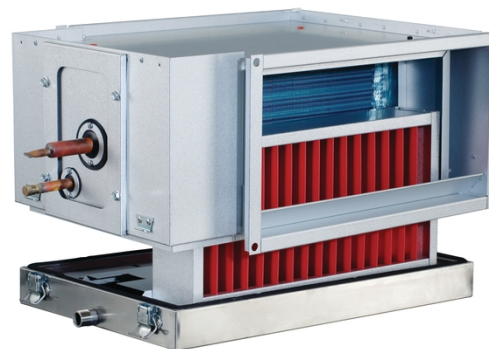
DXRE are mostly used for central cooling of the ventilation air but can also be used for individual cooling of the air supplied to individual rooms (zones).

The DXRE is intended for installation in a horizontal duct, with the air flow in either direction (reversible coil).

We recommend that a DE droplet eliminator (accessory) should be installed on the outlet side of the coil if the air velocity is in excess of 2.5 m/s. This prevents water droplets being entrained by the air flow out into the duct system.

Max. operating pressure: 4.15 MPa (41.5 bar).

Max. test pressure: 4.8 MPa (48 bar).



Technical parameters

Weight

30,6 kg

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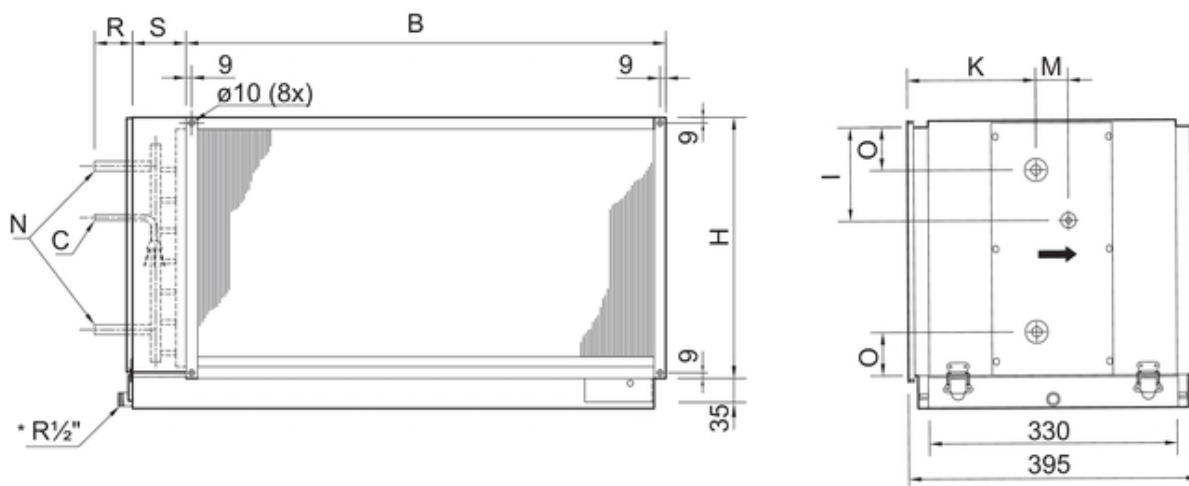
Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,
Settle, North Yorkshire, BD24 9RH

Coil calculation

DXRE	Refrigerant R410A, 5 °C							
	Air Flow (m3/h)	Air Pressure drop (Pa)	Air in (°C)	Air in (% RH)	Air out (°C)	Output (kW)	Refrigerant Flow (kg/h)	Refrigerant Pressure drop (kPa)
400x200-3-2.5	575	32	25	50	15,8	2,2	51	3,0
	575	36	30	50	18,8	3,2	75	6,1
	865	60	25	50	16,9	2,7	63	4,3
	865	68	30	50	20,4	3,9	90	8,7
	1150	91	25	50	17,5	2,8	65	4,9
	1150	107	30	50	21,2	4,4	104	11,3
500x250-3-2.5	900	32	25	50	15,8	3,4	80	3,2
	900	36	30	50	18,7	5,0	118	6,6
	1350	60	25	50	16,9	4,2	99	5,0
	1350	69	30	50	20,1	6,3	147	9,8
	1800	92	25	50	18,0	4,4	103	5,2
	1800	108	30	50	21,2	7,1	165	12,1
500x300-3-2.5	1080	32	25	50	15,5	4,3	101	6,1
	1080	36	30	50	18,3	6,4	149	11,9
	1620	62	25	50	16,6	5,4	126	8,8
	1620	70	30	50	19,8	7,9	186	17,6
	2160	97	25	50	17,3	6,3	147	11,6
	2160	110	30	50	20,9	8,9	208	21,7
600x300-3-2.5	1300	33	25	50	15,4	5,3	116	8,4
	1300	37	30	50	17,8	8,2	180	18,5
	1950	63	25	50	16,5	6,6	145	12,6
	1950	71	30	50	19,6	9,7	213	25,2
	2600	99	25	50	17,3	7,7	170	16,7
	2600	112	30	50	20,8	11,0	241	31,5
600x350-3-2.5	1510	32	25	50	15,5	6,0	131	7,5
	1510	36	30	50	18,4	8,7	192	12,8
	2270	62	25	50	16,7	7,5	164	10,1
	2270	70	30	50	19,8	11,0	242	18,6
	3025	97	25	50	17,4	8,6	189	12,5
	3025	110	30	50	21,0	12,4	272	22,6
700x400-3-2.5	2015	40	25	50	14,7	8,6	188	7,6
	2015	44	30	50	17,4	12,5	274	13,3
	3020	72	25	50	16,3	9,6	211	9,0
	3020	83	30	50	19,3	14,7	323	17,4
	4030	112	25	50	16,5	11,2	246	11,3
	4030	130	30	50	20,2	16,9	370	20,0
800x500-3-2.5	2880	39	25	50	14,6	12,4	272	8,8
	2880	44	30	50	17,3	18,1	398	15,7
	4320	73	25	50	16,2	14,1	309	10,6
	4320	84	30	50	19,1	21,8	477	21,2
	5760	113	25	50	16,4	16,2	356	13,2
	5760	131	30	50	20,2	24,5	538	25,9
1000x500-3-2.5	3600	40	25	50	14,3	16,3	356	15,1
	3600	45	30	50	16,9	23,6	517	28,0
	5400	74	25	50	15,9	18,7	411	19,0
	5400	86	30	50	18,6	29,1	638	40,2
	7200	116	25	50	16,7	21,4	470	23,8
	7200	134	30	50	19,9	31,9	699	47,0

Dimensions



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	B	H	I	O	K	M	N	S	R	C
DXRE	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
400x200-3-2,5	438	238	70	100	165	60	19	90	105	1/2"
500x250-3-2,5	538	288	120	30	165	60	22	90	105	1/2"
500x300-3-2,5	538	338	175	30	165	60	22	90	105	1/2"
600x300-3-2,5	638	338	170	30	165	60	22	90	105	5/8"
600x350-3-2,5	638	388	220	30	165	60	22	90	105	5/8"
700x400-3-2,5	738	438	250	30	160	75	35	100	115	5/8"
800x500-3-2,5	838	538	340	30	160	75	35	100	115	5/8"
1000x500-3-2,5	1038	538	350	30	160	75	35	100	115	5/8"

Accessories

Accessories

DE 100x50 dropelemin. PGK/DXRE (7003)

Documentation

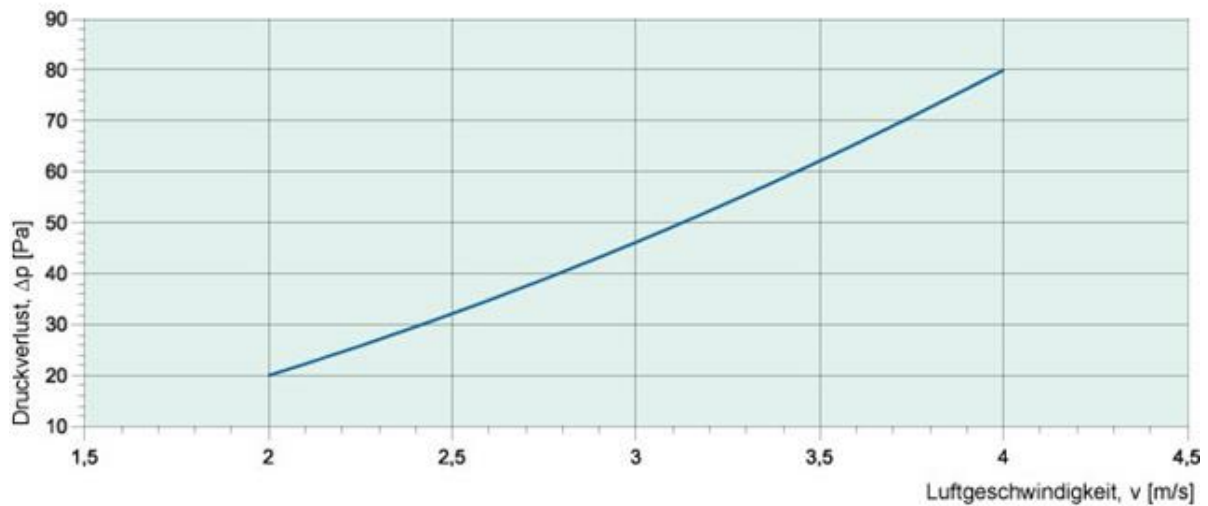


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Decl. of Conformity DXRE.pdf (25,29kB)

Performance data



Druckverlust, Δp Pa = Pressure drop, Δp Pa

Luftgeschwindigkeit, v m/s = Air velocity, v m/s

Specification text

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