

Ducted fan coils

YARDY-DUCT2

Cooling capacity 1,9÷5,7 kW

Heating capacity 2,4÷7,2 kW

Air'Suite biocide filter for healthier and cleaner air in indoor environments

New touch controls

Enhanced performance with 4-row coil

6-speed ductable version

Horizontal and vertical installation

Pre-fitted accessories and controls

Tax incentives*



Features
air'suite



Ducted fan coils for recessed horizontal or vertical installation.

Construction features

- Heat exchanger: with finned coil with left side connections reversible to the right.
- Centrifugal fan: 6 speeds connected to the terminal block.
- Structure: made of galvanised sheet steel complete with a natural condensate drain pan and regenerable filter.

Versions

- CXP - Recessed unit for horizontal or vertical installation (with lower return and upper delivery).

Construction set-ups

Type of unit

2T - Single main coil.

4T - Double main coil and additional.

ACCESSORIES

- ❖ Additional water heating coil for 4-pipe systems.
- ❖ Electrical resistance.
- ❖ 2-way ON/OFF electrovalves for 2 and 4-pipe systems.
- ❖ 3-way ON/OFF electrovalves for 2 and 4-pipe

systems.

- ❖ 4-way ON/OFF electrovalves for 4-pipe systems with single main coil.
- ❖ Auxiliary condensate drain pan.
- ❖ Air'Suite biocide filter.
- ❖ Electrical box for connection terminal block.
- ❖ Air inlet flange: Ø10cm or Ø12cm.
- Flanged frame for connection to intake or delivery duct.
- Frame with Air'Suite biocide filter (G2) that can be extracted in any direction.
- Delivery straight fitting.
- 90° delivery and inlet fitting.
- Telescopic outlet/inlet fitting.
- Inlet grille with filter.
- Delivery grille.
- Formwork for recessed wall or false ceiling installation.
- Aesthetic panel for formwork, with air inlet grille for wall mounting or ceiling installation.
- Delivery nozzle made of aluminium, with a double row of adjustable fins.
- Anti-vibration fitting for delivery/inlet duct connection.
- Intake/outlet plenum with round nozzles.

CONTROLS

STANDARD controls

For wall mounting installation

- Panel with speed and summer/winter switch.
- Panel with room thermostat, summer/winter switch, speed switch, ON/OFF valve control and electrical resistance.
- Minimum temperature thermostat (for installation on machine).
- Electronic panel with automatic summer/winter switching for 2-pipe systems.
- Electronic panel with automatic summer/winter switching and automatic speed adjustment for 2-pipe systems with electrical resistance or 4-pipe systems.
- Interface board to control up to 4 fan coils (for on board installation).
- Electronic panel with display and RS485 serial interface, semi-recessed in wall.

Advanced LIT-TOUCH controls

- Flush LIT-Touch control panel in glossy black or pearl white for wall mounting installation.
- Wall mounted LIT-Touch remote control and receiver with air temperature probe and operation LED.

For on board installation

- ❖ LIT-Touch electronic control for 2-pipe systems, with 2 pipes with electrical resistance or 4 pipes, complete with a minimum water temperature probe, ON/OFF valve control and integrated master/slave function up to a total of 15 units.
- ❖ Additional board with 2 digital outputs that can be configured.
- ❖ On board air temperature probe.
- ❖ RS485 serial board for serial communication with other devices (Modbus RTU protocol).

Key: ❖ Factory fitted

→ Supplied separately

* Previous name

Technical data

YARDY-DUCT2 CXP			40		48		60		74	
❶ Total cooling capacity [EN1397]	VI	kW	1,9	E	2,22	E	3,47	E	4,43	E
	V	kW	1,76	E	2,06	E	3,33		4,26	
	IV	kW	1,5		1,69		3,18	E	4	E
	III	kW	1,35	E	1,57	E	3,01		3,78	
	II	kW	1,24		1,44		2,65	E	3,41	E
	I	kW	1,07		1,25		2,42		3,14	
❷ Heating capacity (45°C) [EN1397]	VI	kW	2,1	E	2,15	E	4,11	E	4,18	E
	V	kW	1,9	E	1,97	E	3,92		3,98	
	IV	kW	1,53		1,59		3,69	E	3,75	E
	III	kW	1,4	E	1,46	E	3,49		3,54	
	II	kW	1,27		1,33		3,21	E	3,26	E
	I	kW	1,11		1,16		2,94		2,98	
❸ Heating capacity (50°C)	VI	kW	2,44	E	2,53	E	4,74	E	4,98	E
	V	kW	2,21	E	2,32	E	4,52		4,75	
	IV	kW	1,8		1,89		4,29	E	4,5	E
	III	kW	1,65	E	1,73	E	4,05		4,25	
	II	kW	1,5		1,58		3,7	E	3,89	E
	I	kW	1,3		1,37		3,39		3,56	
❹ Heating capacity (70°C) [EN1397]	VI	kW	4,18		4,3		8,21		8,5	
	V	kW	3,78		3,94		7,84		8,1	
	IV	kW	3,07		3,2		7,44		7,67	
	III	kW	2,82		2,93		7,04		7,24	
	II	kW	2,56		2,67		6,48		6,65	
	I	kW	2,22		2,31		5,95		6,08	
❺ Heating capacity of additional coil (65°C) [EN1397]	VI	kW	1,97	E	1,87	E	3,78	E	3,6	E
	V	kW	1,84	E	1,75	E	3,75		3,58	
	IV	kW	1,7		1,61		3,62	E	3,42	E
	III	kW	1,5	E	1,43	E	3,52		3,36	
	II	kW	1,41		1,34		3,42	E	3,22	E
	I	kW	1,27		1,21		3,32		3,15	
❻ Heating capacity of additional coil (70°C) [EN1397]	VI	kW	2,29	E	2,18	E	4,27	E	4,07	E
	V	kW	2,14	E	2,04	E	4,24		4,04	
	IV	kW	1,97		1,87		4,09	E	3,9	E
	III	kW	1,75	E	1,66	E	3,99		3,8	
	II	kW	1,63		1,55		3,88	E	3,7	E
	I	kW	1,47		1,4		3,8		3,61	
Available static Air flow rate / Pressure	VI	m³/h	275 / 56	E	275 / 56	E	620 / 66	E	620 / 66	E
	V	m³/h	250 / 50	E	250 / 50	E	587 / 59		587 / 59	
	IV	m³/h	198 / 33		198 / 33		539 / 50	E	539 / 50	E
	III	m³/h	180 / 19	E	180 / 28	E	504 / 44		504 / 44	
	II	m³/h	163 / 16		163 / 24		445 / 34	E	445 / 34	E
	I	m³/h	140 / 9		140 / 18		402 / 28		402 / 28	
❽ Delivery sound power	VI	dB(A)	50	E	50	E	56	E	56	E
	V	dB(A)	48	E	48	E	55		55	
	IV	dB(A)	43		43		54	E	54	E
	III	dB(A)	42	E	42	E	51		52	
	II	dB(A)	38		38		50	E	50	E
	I	dB(A)	37		37		48		46	
❾ Delivery sound pressure	VI	dB(A)	41		41		47		47	
	V	dB(A)	39		39		46		46	
	IV	dB(A)	34		34		45		45	
	III	dB(A)	33		33		42		43	
	II	dB(A)	29		29		41		41	
	I	dB(A)	28		28		39		37	
Absorbed power	VI	W	68	E	71	E	128	E	135	E
	V	W	60	E	63	E	120		126	
	IV	W	41		43		91	E	95	E
	III	W	36	E	38	E	88		93	
	II	W	32		34		84	E	89	E
	I	W	27		28		77		80	

Electrical supply	V-ph-Hz		230-1-50	230-1-50	230-1-50	230-1-50	
DIMENSIONS AND WEIGHTS			40	48	60	74	
L – Width	mm		950	950	1250	1250	
H – Height	mm		545	545	545	545	
P – Depth	mm		212	212	212	212	
Weight	kg		25,5	27	34,5	35,5	
COVER for Yardy – DUCT CXP			40	48			
KCASE formwork	WxHxD	mm	1325x790x225	1325x790x225			
KCASE formwork	Weight	kg	17	17			
KPXCASE Panel	WxHxD	mm	1375x820x10	1375x820x10			
KPXCASE Panel	Weight	kg	11	11			
KGMD delivery nozzle	WxHxD	mm	955x205x6	955x205x0,6			
YARDY-DUCT2 CXP				80		88	
① Total cooling capacity [EN1397]	VI	kW		4,83	E	5,69	E
	V	kW		4,61		5,53	
	IV	kW		4,38	E	5,42	E
	III	kW		4,17		5,2	
	II	kW		3,91	E	4,94	E
	I	kW		3,86		4,8	
② Heating capacity (45°C) [EN1397]	VI	kW		5,77	E	6,12	E
	V	kW		5,62		5,8	
	IV	kW		5,51	E	5,74	E
	III	kW		5,3		5,45	
	II	kW		4,78	E	5,1	E
	I	kW		4,61		5,06	
③ Heating capacity (50°C)	VI	kW		6,68	E	7,16	E
	V	kW		6,51		6,84	
	IV	kW		6,37	E	6,76	E
	III	kW		6,13		6,44	
	II	kW		5,53	E	6,04	E
	I	kW		5,35		5,99	
④ Heating capacity (70°C) [EN1397]	VI	kW		11,48		12,21	
	V	kW		11,2		11,63	
	IV	kW		10,98		11,52	
	III	kW		10,56		10,98	
	II	kW		9,52		10,32	
	I	kW		9,2		10,26	
⑤ Heating capacity of additional coil (65°C) [EN1397]	VI	kW		4,64	E	4,42	E
	V	kW		4,45		4,24	
	IV	kW		4,36	E	4,15	E
	III	kW		4,25		4,05	
	II	kW		4,16	E	3,95	E
	I	kW		4,04		3,85	
⑥ Heating capacity of additional coil (70°C) [EN1397]	VI	kW		5,24	E	4,99	E
	V	kW		5,03		4,79	
	IV	kW		4,93	E	4,69	E
	III	kW		4,81		4,58	
	II	kW		4,7	E	4,47	E
	I	kW		4,57		4,35	
Available static Air flow rate / Pressure	VI	m³/h		912 / 62	E	862 / 62	E
	V	m³/h		858 / 54		828 / 54	
	IV	m³/h		820 / 50	E	800 / 50	E
	III	m³/h		772 / 45		759 / 45	
	II	m³/h		715 / 39	E	708 / 39	E
	I	m³/h		685 / 35		680 / 35	
⑦ Delivery sound power	VI	dB(A)		57	E	57	E
	V	dB(A)		55		55	
	IV	dB(A)		54	E	54	E
	III	dB(A)		53		53	
	II	dB(A)		51	E	51	E
	I	dB(A)		50		50	
⑧ Delivery sound pressure	VI	dB(A)		48		48	
	V	dB(A)		46		46	
	IV	dB(A)		45		45	

	III	dB(A)	44		44	
	II	dB(A)	42		42	
	I	dB(A)	41		41	
Absorbed power	VI	W	154	E	154	E
	V	W	134		134	
	IV	W	127	E	127	E
	III	W	109		109	
	II	W	105	E	105	E
	I	W	91		91	
Electrical supply		V-ph-Hz	230-1-50		230-1-50	
DIMENSIONS AND WEIGHTS			80		88	
L – Width		mm	1250		1250	
H – Height		mm	545		545	
P – Depth		mm	212		212	
Weight		kg	36,5		37,5	
COVER for Yardy – DUCT CXP						
KCASE formwork	WxHxD	mm				
KCASE formwork	Weight	kg				
KPXCASE Panel	WxHxD	mm				
KPXCASE Panel	Weight	kg				
KGMD delivery nozzle	WxHxD	mm				

Data at the following conditions:

- ① Air: 27°C D.B.; 19°C W.B. – Water: 7/12°C.
- ② Air: 20°C – Water: 45/40°C.
- ③ Air: 20°C – Water: 50°C, flow rate as in cooling.
- ④ Air: 20°C – Water: 70/60°C.
- ⑤ Air: 20°C – Water: 65/55°C.
- ⑥ According to EN16583
- ⑦ For room volume equal to 100 m³ and reverberation time = 0.5 sec.
- E Eurovent certified performance.

YARDY-DUCT2 48 – 74 – 88 with oversized 4-row coil.

For the selection with Air'Suite filter, refer to the UP-TO-DATE selection Software.



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