

# 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**



**air'suite**

Web code: YADC2 ACMEC controls: ACREG

**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]	kW	1,9	E 2,22	E 3,47	E 4,43
❷ Heating capacity (45°C) [EN1397]	kW	2,1	E 2,15	E 4,11	E 4,18
❸ Heating capacity (50°C)	kW	2,44	E 2,53	E 4,74	E 4,98
❹ Heating capacity (70°C) [EN1397]	kW	4,18	4,3	8,21	8,5
❺ Heating capacity of additional coil (65°C) [EN1397]	kW	1,97	E 1,87	E 3,78	E 3,6
❻ Heating capacity of additional coil (70°C) [EN1397]	kW	2,29	E 2,18	E 4,27	E 4,07
Available static Air flow rate / Pressure	m³/h	275 / 56	E 275 / 56	E 620 / 66	E 620 / 66
❶ Delivery sound power	dB(A)	50	E 50	E 56	E 56
❷ Delivery sound pressure	dB(A)	41	41	47	47
Absorbed power	W	68	E 71	E 128	E 135
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	mm	1325x790x225	1325x790x225		
KCASE formwork	kg	17	17		
KPXCASE Panel	mm	1375x820x10	1375x820x10		
KPXCASE Panel	kg	11	11		
KGMD delivery nozzle	mm	955x205x6	955x205x0,6		
YARDY-DUCT2 CXP			80	88	
❶ Total cooling capacity [EN1397]	kW		4,83	E 5,69	E
❷ Heating capacity (45°C) [EN1397]	kW		5,77	E 6,12	E
❸ Heating capacity (50°C)	kW		6,68	E 7,16	E
❹ Heating capacity (70°C) [EN1397]	kW		11,48	12,21	
❺ Heating capacity of additional coil (65°C) [EN1397]	kW		4,64	E 4,42	E
❻ Heating capacity of additional coil (70°C) [EN1397]	kW		5,24	E 4,99	E
Available static Air flow rate / Pressure	m³/h		912 / 62	E 862 / 62	E
❶ Delivery sound power	dB(A)		57	E 57	E
❷ Delivery sound pressure	dB(A)		48	48	
Absorbed power	W		154	E 154	E
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	mm				
KCASE formwork	kg				
KPXCASE Panel	mm				
KPXCASE Panel	kg				
KGMD delivery nozzle	mm				

Data at the following conditions:

- ❶ Air: 27°C D.B.; 19°C W.B. - Water: 7/12°C.
  - ❷ Air: 20°C - Water: 45/40°C.
  - ❸ Air: 20°C - Water: 50°C, flow rate as in cooling.
  - ❹ Air: 20°C - Water: 70/60°C.
  - ❺ Air: 20°C - Water: 65/55°C.
  - ❻ According to EN16583
  - ❼ 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 AirSuite filter, refer to the UP-TO-DATE selection Software.

RHOSS S.P.A. declines all responsibility for possible mistakes in this document and reserves the right to alter the features of their products without notice.

Rhoss S.p.A.  
Via Oltre Ferrovia, 32  
33033 Codroipo (UD) - Italy  
tel. +39 0432 911611 - rhoss@rhoss.it  
www.rhoss.it www.rhoss.com



RhossOfficial



RhossOfficialChannel



Rhoss