

Ducted fan coils with EC motor

YARDY-ID2



INVERTER



Cooling capacity: 3.0÷6.3 kW - Heating capacity:
3.9÷8.7 kW

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

✓ **New touch controls**

✓ **Enhanced performance with 4-row coil**

✓ **Consumption reduced by 50% with EC motor**

✓ **Continuous fan speed regulation**

✓ **Horizontal and vertical installation**



 **air'suite**

Web code: YAIID2 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: with an inverter controlled electronic brushless motor and continuous speed adjustment.
- 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

- 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 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

Technical Data

YARDY-ID2 CXP		40	48	60	74				
❶ Total cooling capacity [EN1397]	kW	3,01	E	3,28	E	4,12	E	4,58	E
❷ Heating capacity (45°C) [EN1397]	kW	3,29	E	3,35	E	4,73	E	4,77	E
❸ Heating capacity (50°C)	kW	3,86	E	3,94	E	5,52	E	5,63	E
❹ Heating capacity (70°C) [EN1397]	kW	6,55		6,66		9,44		9,62	
❺ Heating capacity of additional coil (65°C) [EN1397]	kW	2,75	E	2,63	E	4,17	E	4,32	E
❻ Heating capacity of additional coil (70°C) [EN1397]	kW	3,19	E	3,03	E	4,71	E	4,89	E
Available static Air flow rate / Pressure	m³/h / Pa	469 / 64	E	469 / 64	E	737 / 56	E	737 / 56	E
❼ Delivery sound power	dB(A)	56	E	56	E	57	E	57	E
❼ Delivery sound pressure	dB(A)	47		47		48		48	
Absorbed power	W	69	E	72	E	100	E	105	E
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	26,5	34,5	35,5				
COVER for Yardy-ID2 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	955x205x6						

YARDY-ID2 CXP		80	88		
❶ Total cooling capacity [EN1397]	kW	5,88	E	6,26	E
❷ Heating capacity (45°C) [EN1397]	kW	7,37	E	7,48	E
❸ Heating capacity (50°C)	kW	8,55	E	8,72	E
❹ Heating capacity (70°C) [EN1397]	kW	14,71		14,93	
❺ Heating capacity of additional coil (65°C) [EN1397]	kW	5,7	E	5,42	E
❻ Heating capacity of additional coil (70°C) [EN1397]	kW	6,46	E	6,14	E
Available static Air flow rate / Pressure	m³/h / Pa	1010 / 65	E	949 / 64	E
❼ Delivery sound power	dB(A)	58	E	58	E
❼ Delivery sound pressure	dB(A)	49		49	
Absorbed power	W	140	E	140	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-ID2 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.
- Performance refers to the motor's input signal: 10V - 7V - 2V at MAX - MED - MIN speed.
 Yardy ID2 48 - 74 - 88 with oversized 4-row coil.
 For the selection with Air'Suite 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.

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