

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**



Web code: YAID2 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
❷ Heating capacity (45°C) [EN1397]	kW	3,29	E 3,35	E 4,73	E 4,77
❸ Heating capacity (50°C)	kW	3,86	E 3,94	E 5,52	E 5,63
❹ Heating capacity (70°C) [EN1397]	kW	6,55	E 6,66	E 9,44	E 9,62
❺ Heating capacity of additional coil (65°C) [EN1397]	kW	2,75	E 2,63	E 4,17	E 4,32
❻ Heating capacity of additional coil (70°C) [EN1397]	kW	3,19	E 3,03	E 4,71	E 4,89
Available static Air flow rate / Pressure	m³/h / Pa	469 / 64	E 469 / 64	E 737 / 56	E 737 / 56
❼ Delivery sound power	dB(A)	56	E 56	E 57	E 57
❼ Delivery sound pressure	dB(A)	47	E 47	E 48	E 48
Absorbed power	W	69	E 72	E 100	E 105
Electrical supply	V-ph-Hz	230-1-50	E 230-1-50	E 230-1-50	E 230-1-50
DIMENSIONS AND WEIGHTS		40	48	60	74
L - Width	mm	950	E 950	E 1250	E 1250
H - Height	mm	545	E 545	E 545	E 545
P - Depth	mm	212	E 212	E 212	E 212
Weight	kg	25,5	E 26,5	E 34,5	E 35,5
COVER for Yardy-ID2 CXP		40	48	60	74
KCASE formwork	mm	1325x790x225	E 1325x790x225		
KCASE formwork	kg	17	E 17		
KPXCASE Panel	mm	1375x820x10	E 1375x820x10		
KPXCASE Panel	kg	11	E 11		
KGMD delivery nozzle	mm	955x205x6	E 955x205x6		
YARDY-ID2 CXP		80	88		
❶ Total cooling capacity [EN1397]	kW	5,88	E 6,26		
❷ Heating capacity (45°C) [EN1397]	kW	7,37	E 7,48		
❸ Heating capacity (50°C)	kW	8,55	E 8,72		
❹ Heating capacity (70°C) [EN1397]	kW	14,71	E 14,93		
❺ Heating capacity of additional coil (65°C) [EN1397]	kW	5,7	E 5,42		
❻ Heating capacity of additional coil (70°C) [EN1397]	kW	6,46	E 6,14		
Available static Air flow rate / Pressure	m³/h / Pa	1010 / 65	E 949 / 64		
❼ Delivery sound power	dB(A)	58	E 58		
❼ Delivery sound pressure	dB(A)	49	E 49		
Absorbed power	W	140	E 140		
Electrical supply	V-ph-Hz	230-1-50	E 230-1-50		
DIMENSIONS AND WEIGHTS		80	88		
L - Width	mm	1250	E 1250		
H - Height	mm	545	E 545		
P - Depth	mm	212	E 212		
Weight	kg	36,5	E 37,5		
COVER for Yardy-ID2 CXP		80	88		
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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