

Fan coils with EC motor

YARDY-I EV3



Cooling capacity: 1.9÷8.4 kW - Heating capacity:
2.5÷11.8 kW

- √ **New white RAL 9003 for versions with cabinet**
- √ **New touch controls**
- √ **Air'Suite biocide filter for healthier and cleaner air in indoor environments**
- √ **Enhanced performance with 4-row coil**
- √ **Consumption reduced by 50% with EC motor**
- √ **Continuous fan speed regulation**

 **air'suite**



Web code: YARI3 ACMEC controls: ACREG

Floor and ceiling fan coil units with cabinet for recessed wall or false ceiling 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.
- Cabinet version structure: covering cabinet in pre-painted sheet steel, RAL9003, complete with a regenerable filter, ABS polymer grilles and a natural condensate drain pan.
- Recessed version structure: in galvanised sheet steel, complete with a natural condensate drain pan and regenerable filter.

Versions

- MVP - Vertical unit with cabinet equipped with lower air inlet and upper delivery for wall mounting installation or with feet on the ground.
- MVT - Vertical unit with cabinet equipped with front air inlet and upper delivery for floor installation.
- MXP - Horizontal/vertical unit with cabinet, equipped with lower air inlet and upper delivery, for ceiling installation, wall mounted or with feet on the ground.
- MXT - Horizontal/vertical unit with cabinet, equipped with front air inlet and upper delivery, for ceiling or floor installation.
- IVP - Recessed vertical unit equipped with lower air inlet and upper delivery for wall mounting installation.
- IVF - Recessed vertical unit equipped with lower air inlet and front delivery for wall mounting installation.
- IXP - Horizontal/vertical unit equipped with lower air inlet and upper delivery for false ceiling or recessed wall installation.

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.
- Manual damper.
- Motorised damper.
- Back in view.
- Rear closing panel.
- Rear closing panel with grille and filter.
- Support feet with pipe cover.
- Flanged frame for duct connection.
- 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 wall mounted formwork, with air delivery and return grille.
- Aesthetic panel for formwork, with air inlet grille.
- 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.
- ❖ LIT-Touch control with air temperature probe for on board installation.

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

Technical Data

YARDY-I EV3 MVP-MVT-MXP-MXT-IVP-IVF-IXP		20	24	30	34	45	48	60	74
❶ Total cooling capacity [EN1397]	kW	1,86	2,24	2,97	3,37	4,11	4,6	6,28	7,33
❷ Heating capacity (45°C) [EN1397]	kW	2,1	2,18	3,27	3,41	4,47	4,65	7,13	7,41
❸ Heating capacity (50°C)	kW	2,47	2,6	3,87	4,07	5,3	5,54	8,38	8,81
❹ Heating capacity (70°C) [EN1397]	kW	4,2	4,36	6,56	6,85	8,96	9,31	14,28	14,86
❺ Heating capacity of additional coil (65°C) [EN1397]	kW	1,95	2,08	2,94	2,8	3,36	3,2	5,64	5,37
❻ Heating capacity of additional coil (70°C) [EN1397]	kW	2,21	2,36	3,33	3,17	3,83	3,64	6,38	6,08
Air flow speed	m³/h	331	331	523	523	645	645	1235	1235
Sound power	dB(A)	48	48	50	50	51	51	62	62
Ⓣ Sound pressure	dB(A)	39	39	41	41	42	42	53	53
Absorbed power	W	23	25	26	28	39	42	89	95
Electrical supply	V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50

DIMENSIONS AND WEIGHT		20	24	30	34	45	48	60	74
L - MXP-MXT-MVP-MVT width	mm	800	800	1000	1000	1200	1200	1500	1500
L - IVP-IXP-IVF width	mm	550	550	750	750	950	950	1250	1250
H - MXP-MXT-MVP-MVT height	mm	570	570	570	570	570	570	570	570
H - IVP-IXP-IVF height	mm	545	545	545	545	545	545	545	545
MVP-MVT-MXP-MXT Feet height	mm	100	100	100	100	100	100	100	100
P - MXP-MXT-MVP-MVT Depth	mm	220	220	220	220	220	220	220	220
P - IVP-IXP-IVF Depth	mm	212	212	212	212	212	212	212	212
MXP-MXT-MVP-MVT Weight	kg	20	20,5	21	22	28	29	35	36
IVP-IXP-IVF Weight	kg	16,5	17	20,5	21,5	25,5	27	34,5	35,5

YARDY-I EV3 MVP-MVT-MXP-MXT-IVP-IVF-IXP		80	88
❶ Total cooling capacity [EN1397]	kW	7,94	8,4
❷ Heating capacity (45°C) [EN1397]	kW	9,67	10,07
❸ Heating capacity (50°C)	kW	11,29	11,77
❹ Heating capacity (70°C) [EN1397]	kW	19,35	20,14
❺ Heating capacity of additional coil (65°C) [EN1397]	kW	6,5	6,17
❻ Heating capacity of additional coil (70°C) [EN1397]	kW	7,37	6,98
Air flow speed	m³/h	1503	1458
Sound power	dB(A)	66	66
Ⓣ Sound pressure	dB(A)	57	57
Absorbed power	W	136	146
Electrical supply	V-ph-Hz	230-1-50	230-1-50

DIMENSIONS AND WEIGHT		80	88
L - MXP-MXT-MVP-MVT width	mm	1500	1500
L - IVP-IXP-IVF width	mm	1250	1250
H - MXP-MXT-MVP-MVT height	mm	570	570
H - IVP-IXP-IVF height	mm	545	545
MVP-MVT-MXP-MXT Feet height	mm	100	100
P - MXP-MXT-MVP-MVT Depth	mm	220	220
P - IVP-IXP-IVF Depth	mm	212	212
MXP-MXT-MVP-MVT Weight	kg	37	38
IVP-IXP-IVF Weight	kg	36,5	37,5

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.
- Ⓣ 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 - 6V - 1V at MAX - MED - MIN speed.

YARDY-I EV3 24 - 34 - 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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