

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**



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.

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