

# Fan coils

## YARDY EV3



Cooling capacity: 1.0-8.3 kW - Heating capacity:  
1.4-11.7 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**

√ **6-speed fan**

√ **Pre-fitted accessories and controls**

**air'suite**



Web code: YARV3 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: 6 speeds, 3 of which are connected to the terminal block.
- Cabinet version structure: covering cabinet in pre-painted sheet steel, RAL9003, complete with regenerable filter, ABS polymer grilles and 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 a 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 for wall mounting 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.
- Electronic panel with display and RS485 serial interface, semi-recessed in wall.

#### For on board installation (MVP and MVT versions)

- ❖Panel with speed switch.
- ❖Panel with room thermostat, summer/winter switch and speed switch.
- ❖Minimum temperature thermostat.
- ❖Panel with room thermostat, summer/winter switch, speed switch, ON/OFF valve control and electrical resistance.
- ❖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.

## 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 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 EV3 MVP-MVT-MXP-MXT-IVP-IVF-IXP		15	20	24	25
❶ Total cooling capacity [EN1397]	kW	1,1	1,98	2,2	•E 2,5
❷ Heating capacity (45°C) [EN1397]	kW	1,38	2,26	2,36	•E 2,97
❸ Heating capacity (50°C)	kW	1,59	2,65	2,78	•E 3,47
❹ Heating capacity (70°C) [EN1397]	kW	2,74	4,52	4,71	• 5,94
❺ Heating capacity of additional coil (65°C) [EN1397]	kW	1,37	2,09	1,78	•E 2,7
❻ Heating capacity of additional coil (70°C) [EN1397]	kW	1,49	2,37	2,01	•E 3,06
Air flow speed	m³/h	229	339	339	• 484
Sound power	dB(A)	46	48	48	•E 48
Sound pressure	dB(A)	37	39	39	• 39
Absorbed power	W	40	40	41	•E 56
Electrical supply	V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50

DIMENSIONS AND WEIGHT		15	20	24	25
L - MXP-MXT-MVP-MVT width	mm	700	800	800	1000
L - IVP-IXP-IVF width	mm	450	550	550	750
H - MXP-MXT-MVP-MVT height	mm	570	570	570	570
H - IVP-IXP-IVF height	mm	545	545	545	545
MVP-MVT-MXP-MXT Feet height	mm	100	100	100	100
P - MXP-MXT-MVP-MVT Depth	mm	220	220	220	220
P - IVP-IXP-IVF Depth	mm	212	212	212	212
MXP-MXT-MVP-MVT Weight	kg	16	20	20,5	20
IVP-IXP-IVF Weight	kg	14,5	16,5	17	20,5

YARDY EV3 MVP-MVT-MXP-MXT-IVP-IVF-IXP		30	34	40	45
❶ Total cooling capacity [EN1397]	kW	3,21	3,28	•E 3,72	4,26
❷ Heating capacity (45°C) [EN1397]	kW	3,59	3,77	•E 4,37	4,68
❸ Heating capacity (50°C)	kW	4,21	4,42	•E 5,11	5,51
❹ Heating capacity (70°C) [EN1397]	kW	7,17	7,54	• 8,75	9,34
❺ Heating capacity of additional coil (65°C) [EN1397]	kW	3,2	3,05	•E 3,68	3,5
❻ Heating capacity of additional coil (70°C) [EN1397]	kW	3,62	3,45	•E 4,18	3,98
Air flow speed	m³/h	547	547	• 676	681
Sound power	dB(A)	50	50	•E 51	52
Sound pressure	dB(A)	41	41	• 42	43
Absorbed power	W	60	65	•E 72	70
Electrical supply	V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50

DIMENSIONS AND WEIGHT		30	34	40	45
L - MXP-MXT-MVP-MVT width	mm	1000	1000	1200	1200
L - IVP-IXP-IVF width	mm	750	750	950	950
H - MXP-MXT-MVP-MVT height	mm	570	570	570	570
H - IVP-IXP-IVF height	mm	545	545	545	545
MVP-MVT-MXP-MXT Feet height	mm	100	100	100	100
P - MXP-MXT-MVP-MVT Depth	mm	220	220	220	220
P - IVP-IXP-IVF Depth	mm	212	212	212	212
MXP-MXT-MVP-MVT Weight	kg	21	22	27	28
IVP-IXP-IVF Weight	kg	20,5	21,5	24	25,5

YARDY EV3 MVP-MVT-MXP-MXT-IVP-IVF-IXP		48	55	58	60
❶ Total cooling capacity [EN1397]	kW	4,76	•E 5,38	•E 5,9	•E 6,53
❷ Heating capacity (45°C) [EN1397]	kW	4,89	•E 6,13	•E 7,18	•E 7,53
❸ Heating capacity (50°C)	kW	5,79	•E 7,17	•E 8,34	•E 8,78
❹ Heating capacity (70°C) [EN1397]	kW	9,77	• 12,25	• 14,33	• 15,02
❺ Heating capacity of additional coil (65°C) [EN1397]	kW	3,34	•E 5,46	•E 5,13	•E 5,7
❻ Heating capacity of additional coil (70°C) [EN1397]	kW	3,79	•E 6,2	•E 5,81	•E 6,45
Air flow speed	m³/h	681	• 1077	• 1077	• 1235
Sound power	dB(A)	52	•E 58	•E 58	•E 62
Sound pressure	dB(A)	43	• 49	• 49	• 53
Absorbed power	W	76	•E 115	•E 145	•E 161
Electrical supply	V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50

DIMENSIONS AND WEIGHT		48	55	58	60
L - MXP-MXT-MVP-MVT width	mm	1200	1500	1500	1500
L - IVP-IXP-IVF width	mm	950	1250	1250	1250
H - MXP-MXT-MVP-MVT height	mm	570	570	570	570
H - IVP-IXP-IVF height	mm	545	545	545	545
MVP-MVT-MXP-MXT Feet height	mm	100	100	100	100
P - MXP-MXT-MVP-MVT Depth	mm	220	220	220	220
P - IVP-IXP-IVF Depth	mm	212	212	212	212
MXP-MXT-MVP-MVT Weight	kg	29	35	35	35
IVP-IXP-IVF Weight	kg	27	34,5	34,5	34,5

YARDY EV3 MVP-MVT-MXP-MXT-IVP-IVF-IXP		74	80	88
❶ Total cooling capacity [EN1397]	kW	6,99	•E 7,82	•E 8,25
❷ Heating capacity (45°C) [EN1397]	kW	7,89	•E 8,71	•E 10,04
❸ Heating capacity (50°C)	kW	9,22	•E 10,19	•E 11,68
❹ Heating capacity (70°C) [EN1397]	kW	15,74	• 17,38	• 20,04
❺ Heating capacity of additional coil (65°C) [EN1397]	kW	5,45	•E 6,51	•E 6,27
❻ Heating capacity of additional coil (70°C) [EN1397]	kW	6,15	•E 7,36	•E 7,08
Air flow speed	m³/h	1235	• 1480	• 1480
Sound power	dB(A)	62	•E 66	•E 66
Sound pressure	dB(A)	53	• 57	• 57
Absorbed power	W	172	•E 184	•E 197
Electrical supply	V-ph-Hz	230-1-50	230-1-50	230-1-50

DIMENSIONS AND WEIGHT		74	80	88
L - MXP-MXT-MVP-MVT width	mm	1500	1500	1500
L - IVP-IXP-IVF width	mm	1250	1250	1250
H - MXP-MXT-MVP-MVT height	mm	570	570	570

H - IVP-IXP-IVF height	mm	545	545	545
MVP-MVT-MXP-MXT Feet height	mm	100	100	100
P - MXP-MXT-MVP-MVT Depth	mm	220	220	220
P - IVP-IXP-IVF Depth	mm	212	212	212
MXP-MXT-MVP-MVT Weight	kg	36	37	38
IVP-IXP-IVF Weight	kg	35,5	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.
- ❻ For room volume equal to 100 m<sup>3</sup> and reverberation time = 0.5 sec.
  - Wired speed in terminal block.
- E Eurovent certified performance.  
Yardy 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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