

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

Tax incentives*



Features

air'suite



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.

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

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.

Technical data

YARDY EV3 MVP-MVT-MXP-MXT-IVP-IVF-IXP			15	20	24	25
❶ Total cooling capacity [EN1397]	VI	kW	1,1	1,98	2,2	•E 2,5 •E
	V	kW	1,04	•E 1,76	•E 2,1	2,24
	IV	kW	0,96	1,54	1,87	•E 2,02 •E
	III	kW	0,89	•E 1,37	•E 1,68	1,69
	II	kW	0,76	1,18	1,45	•E 1,62 •E
	I	kW	0,64	•E 1,13	•E 1,35	1,38
❷ Heating capacity (45°C) [EN1397]	VI	kW	1,38	2,26	2,36	•E 2,97 •E
	V	kW	1,21	•E 1,97	•E 2,04	2,68
	IV	kW	1,08	1,62	1,73	•E 2,3 •E
	III	kW	1,06	•E 1,47	•E 1,52	1,94
	II	kW	0,92	1,26	1,44	•E 1,85 •E
	I	kW	0,7	•E 1,24	•E 1,27	1,57
❸ Heating capacity (50°C)	VI	kW	1,59	2,65	2,78	•E 3,47 •E
	V	kW	1,4	•E 2,31	•E 2,43	3,14
	IV	kW	1,25	1,91	2,06	•E 2,71 •E
	III	kW	1,23	•E 1,74	•E 1,83	2,28
	II	kW	1,07	1,49	1,72	•E 2,18 •E
	I	kW	0,82	•E 1,46	•E 1,53	1,84
❹ Heating capacity (70°C) [EN1397]	VI	kW	2,74	4,52	4,71	• 5,94 •
	V	kW	2,4	• 3,93	• 4,08	5,37
	IV	kW	2,13	3,23	3,45	• 4,61 •
	III	kW	2,11	• 2,95	• 3,06	3,88
	II	kW	1,84	2,54	2,89	• 3,71 •
	I	kW	1,4	• 2,5	• 2,57	3,15
❺ Heating capacity of additional coil (65°C) [EN1397]	VI	kW	1,37	2,09	1,78	•E 2,7 •E
	V	kW	1,14	•E 1,92	•E 1,69	2,61
	IV	kW	1,19	1,81	1,46	•E 2,28 •E
	III	kW	0,96	•E 1,51	•E 1,33	2
	II	kW	0,96	1,4	1,2	•E 1,84 •E
	I	kW	0,79	•E 1,29	•E 1,16	1,69
❻ Heating capacity of additional coil (70°C) [EN1397]	VI	kW	1,49	2,37	2,01	•E 3,06 •E
	V	kW	1,33	•E 2,2	•E 1,93	2,95
	IV	kW	1,29	2,09	1,7	•E 2,59 •E
	III	kW	1,12	•E 1,75	•E 1,56	2,27
	II	kW	1,04	1,63	1,4	•E 2,12 •E
	I	kW	0,91	•E 1,5	•E 1,34	1,92
Air flow speed	VI	m³/h	229	339	339	• 484 •
	V	m³/h	209	• 288	• 288	405
	IV	m³/h	183	238	238	• 339 •
	III	m³/h	163	• 207	• 207	281
	II	m³/h	138	177	177	• 252 •
	I	m³/h	100	• 155	• 155	217
Sound power	VI	dB(A)	46	48	48	•E 48 •E
	V	dB(A)	43	•E 44	•E 44	42
	IV	dB(A)	40	41	40	•E 38 •E
	III	dB(A)	37	•E 38	•E 35	33
	II	dB(A)	32	34	32	•E 30 •E
	I	dB(A)	29	•E 30	•E 31	26
❼ Sound pressure	VI	dB(A)	37	39	39	• 39 •
	V	dB(A)	34	• 35	• 35	33
	IV	dB(A)	31	32	31	• 29 •
	III	dB(A)	28	• 29	• 26	24
	II	dB(A)	23	25	23	• 21 •
	I	dB(A)	20	• 21	• 22	17
Absorbed power	VI	W	40	40	41	•E 56 •E
	V	W	39	•E 36	•E 32	42
	IV	W	31	25	25	•E 32 •E
	III	W	28	•E 23	•E 21	27
	II	W	23	17	16	•E 21 •E
	I	W	17	•E 15	•E 14	20
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							
❶ Total cooling capacity [EN1397]	VI	kW	3,21	3,28	•E 3,72	4,26	•E
	V	kW	2,8	•E 3,05	3,36	•E 3,84	
	IV	kW	2,57	2,81	•E 2,84	3,31	•E
	III	kW	2,46	•E 2,55	2,63	•E 2,99	
	II	kW	2,07	2,25	•E 2,47	2,81	
	I	kW	1,78	•E 1,98	2,06	•E 2,49	•E
❷ Heating capacity (45°C) [EN1397]	VI	kW	3,59	3,77	•E 4,37	4,68	•E
	V	kW	3,29	•E 3,45	3,79	•E 4,27	
	IV	kW	2,85	2,98	•E 3,22	3,47	•E
	III	kW	2,66	•E 2,79	2,98	•E 3,21	
	II	kW	2,26	2,35	•E 2,77	2,81	
	I	kW	2,02	•E 2,2	2,52	•E 2,59	•E
❸ Heating capacity (50°C)	VI	kW	4,21	4,42	•E 5,11	5,51	•E
	V	kW	3,85	•E 4,04	4,45	•E 5,03	
	IV	kW	3,36	3,53	•E 3,79	4,11	•E
	III	kW	3,14	•E 3,3	3,5	•E 3,79	
	II	kW	2,67	2,8	•E 3,26	3,35	
	I	kW	2,37	•E 2,59	2,93	•E 3,08	•E
❹ Heating capacity (70°C) [EN1397]	VI	kW	7,17	7,54	• 8,75	9,34	•
	V	kW	6,58	• 6,88	7,59	• 8,53	
	IV	kW	5,71	5,97	• 6,46	6,93	•
	III	kW	5,32	• 5,61	5,96	• 6,4	
	II	kW	4,53	4,76	• 5,57	5,63	
	I	kW	4,06	• 4,44	5,05	• 5,19	•
❺ Heating capacity of additional coil (65°C) [EN1397]	VI	kW	3,2	3,05	•E 3,68	3,5	•E
	V	kW	2,69	•E 2,56	2,94	•E 3,38	
	IV	kW	2,61	2,48	•E 2,9	2,96	•E
	III	kW	2,28	•E 2,17	2,81	•E 2,79	
	II	kW	2,15	2,04	•E 2,76	2,74	
	I	kW	1,93	•E 1,83	2,62	•E 2,21	•E
❻ Heating capacity of additional coil (70°C) [EN1397]	VI	kW	3,62	3,45	•E 4,18	3,98	•E
	V	kW	3,04	•E 2,9	3,46	•E 3,84	
	IV	kW	2,95	2,8	•E 3,36	3,46	•E
	III	kW	2,58	•E 2,46	3,33	•E 3,25	
	II	kW	2,43	2,31	•E 3,26	3,2	
	I	kW	2,19	•E 2,06	3,07	•E 2,59	•E
Air flow speed	VI	m³/h	547	547	• 676	681	•
	V	m³/h	483	• 483	587	• 627	
	IV	m³/h	434	434	• 472	474	•
	III	m³/h	383	• 383	419	• 431	
	II	m³/h	329	321	• 390	392	
	I	m³/h	281	• 281	365	• 338	•
Sound power	VI	dB(A)	50	50	•E 51	52	•E
	V	dB(A)	46	•E 47	48	•E 50	
	IV	dB(A)	43	43	•E 43	43	•E
	III	dB(A)	40	•E 40	40	•E 41	
	II	dB(A)	36	36	•E 38	38	
	I	dB(A)	35	•E 34	35	•E 35	•E
❼ Sound pressure	VI	dB(A)	41	41	• 42	43	•
	V	dB(A)	37	• 38	39	• 41	
	IV	dB(A)	34	34	• 34	34	•
	III	dB(A)	31	• 31	31	• 32	
	II	dB(A)	27	27	• 29	29	

	I	dB(A)	26	•	25	26	•	26	•
Absorbed power	VI	W	60		65	•E	72	70	•E
	V	W	54	•E	58		58	•E	61
	IV	W	36		39	•E	42	41	•E
	III	W	31	•E	33		34	•E	36
	II	W	27		27	•E	33	31	
	I	W	25	•E	25		28	•E	28
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]	VI	kW	4,76	•E	5,38	•E	5,9	•E	6,53
	V	kW	4,46		4,86		5,24		6,09
	IV	kW	3,57	•E	4,4	•E	4,76	•E	5,42
	III	kW	3,35		3,9		4,23		5,26
	II	kW	3,11		3,34	•E	3,57	•E	4,4
	I	kW	2,85	•E	2,69		3,03		4,22
❷ Heating capacity (45°C) [EN1397]	VI	kW	4,89	•E	6,13	•E	7,18	•E	7,53
	V	kW	4,45		5,46		6,74		7,04
	IV	kW	3,64	•E	4,89	•E	5,93	•E	6,2
	III	kW	3,34		4,13		5,81		6,02
	II	kW	2,93		3,57	•E	5,12	•E	5,29
	I	kW	2,69	•E	2,94		4,6		4,71
❸ Heating capacity (50°C)	VI	kW	5,79	•E	7,17	•E	8,34	•E	8,78
	V	kW	5,28		6,39		7,81		8,22
	IV	kW	4,32	•E	5,74	•E	6,89	•E	7,25
	III	kW	3,98		4,87		6,69		7,04
	II	kW	3,52		4,22	•E	5,85	•E	6,16
	I	kW	3,23	•E	3,47		5,24		5,52
❹ Heating capacity (70°C) [EN1397]	VI	kW	9,77	•	12,25	•	14,33	•	15,02
	V	kW	8,88		10,9		13,46		14,05
	IV	kW	7,27	•	9,78	•	11,84	•	12,38
	III	kW	6,69		8,26		11,61		12,02
	II	kW	5,89		7,17	•	10,25	•	10,56
	I	kW	5,42	•	5,97		9,27		9,45
❺ Heating capacity of additional coil (65°C) [EN1397]	VI	kW	3,34	•E	5,46	•E	5,13	•E	5,7
	V	kW	3,22		5,15		5		5,56
	IV	kW	2,82	•E	4,6	•E	4,68	•E	5,21
	III	kW	2,65		4,27		4,34		4,91
	II	kW	2,6		3,58	•E	3,72	•E	4,71
	I	kW	2,15	•E	3,16		3,25		4,22
❻ Heating capacity of additional coil (70°C) [EN1397]	VI	kW	3,79	•E	6,2	•E	5,81	•E	6,45
	V	kW	3,66		5,83		5,66		6,29
	IV	kW	3,27	•E	5,22	•E	5,3	•E	5,9
	III	kW	3,07		4,84		4,92		5,57
	II	kW	3,02		4,16	•E	4,25	•E	5,34
	I	kW	2,53	•E	3,63		3,73		4,78
Air flow speed	VI	m³/h	681	•	1077	•	1077	•	1235
	V	m³/h	627		916		916		1109
	IV	m³/h	474	•	802	•	802	•	948
	III	m³/h	431		662		662		882
	II	m³/h	392		537	•	537	•	757
	I	m³/h	338	•	420		420		672
Sound power	VI	dB(A)	52	•E	58	•E	58	•E	62
	V	dB(A)	50		56		56		60
	IV	dB(A)	43	•E	52	•E	54	•E	56

	V	m³/h	1109		1388		1388	
	IV	m³/h	948		1220		1220	•
	III	m³/h	882	•	1171	•	1171	
	II	m³/h	757		1031		1031	
	I	m³/h	672	•	994	•	994	•
Sound power	VI	dB(A)	62	•E	66	•E	66	•E
	V	dB(A)	60		65		65	
	IV	dB(A)	56		62		62	•E
	III	dB(A)	54	•E	61	•E	61	
	II	dB(A)	50		59		59	
	I	dB(A)	48	•E	57	•E	57	•E
⑥ Sound pressure	VI	dB(A)	53	•	57	•	57	•
	V	dB(A)	51		56		56	
	IV	dB(A)	47		53		53	•
	III	dB(A)	45	•	52	•	52	
	II	dB(A)	41		50		50	
	I	dB(A)	39	•	48	•	48	•
Absorbed power	VI	W	172	•E	184	•E	197	•E
	V	W	133		173		185	
	IV	W	125		142		152	•E
	III	W	117	•E	133	•E	142	
	II	W	102		124		133	
	I	W	98	•E	116	•E	124	•E
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:

- ① Air: 27°C D.B.; 19°C W.B. – Water: 7/12°C.
 - ② Air: 20°C – Water: 45/40°C.
 - ③ Air: 20°C – Water: 50°C, flow rate as in cooling.
 - ④ Air: 20°C – Water: 70/60°C.
 - ⑤ Air: 20°C – Water: 65/55°C.
 - ⑥ For room volume equal to 100 m³ 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.



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