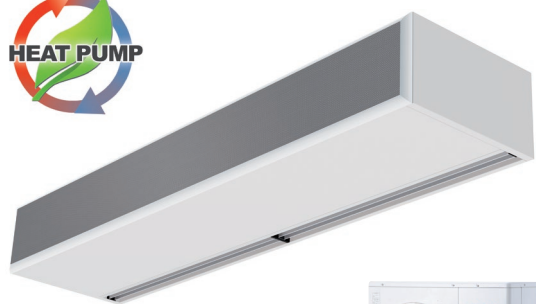




Characteristics



TOSHIBA



- Energy saving heat pump air curtains: Up to 70% reduction in costs and CO₂ emissions (heating mode).
- Self-supporting casing construction made of galvanized steel plate, finished in structural epoxy-polyester painting white colour RAL9016 as standard. Other colours or stainless steel are available on request.
- Micro-perforated inlet grille with filter functions and easy service. Internal prefilter included.
- Anodized aluminium outlet vanes, airfoil shaped, adjustable from 0 to 15° each side.
- EC Double-inlet centrifugal fans driven by an external rotor motor and low noise level, with very low consumption efficiency fans.
- Includes direct expansion coil with sensors. Optional condensate water pump.
- CS-5DX-NE Plug&Play control with 5 speeds and telephone cable 7m included.
- Requires TOSHIBA DX Interface KIT adapted for air curtain and programmable control, please consult.
- Ready to connect to TOSHIBA Inverter outdoor heat pump unit (R410A) with expansion valve, not included, the customer should purchase it.

Specifications

Model	Airflow m ³ /h	Outdoor Unit (*)		Power Fans	Current Fans	Noise Level	Weight kg
		230Vx1	400Vx3	230V-50Hz kW	230V-50Hz A	(5 m) dB(A)	
ECM 1500 DX11-TO	2460	RAV-SM1104ATP-E	RAV-SP1104AT8-E	0,198	1,71	57	53
ECM 2000 DX16-TO	3280	RAV-SM1603AT-E	RAV-SP1604AT8-E	0,264	2,28	58	69
ECM 2000 DX19-TO	3280	-	RAV-SM2244AT8-E	0,264	2,28	58	69
ECM 2500 DX21-TO	4100	-	RAV-SM2244AT8-E	0,330	2,85	59	86
ECM 2500 DX24-TO	4100	-	RAV-SM2804AT8-E	0,330	2,85	59	86
ECM 3000 DX26-TO	4920	-	RAV-SM2804AT8-E	0,396	3,42	60	103
ECG 1000 DX10-TO	2190	RAV-SM1104ATP-E	RAV-SP1104AT8-E	0,225	1,95	61	50
ECG 1500 DX13-TO	2920	RAV SM1404ATP-E	RAV SP1404AT8-E	0,300	2,60	62	59
ECG 1500 DX15-TO	2920	RAV-SM1603AT-E	RAV-SP1604AT8-E	0,300	2,60	62	59
ECG 2000 DX22-TO	4380	-	RAV-SM2244AT8-E	0,450	3,90	63	92
ECG 2000 DX24-TO	4380	-	RAV-SM2804AT8-E	0,450	3,90	63	92
ECG 2500 DX22-TO	5110	-	RAV-SM2244AT8-E	0,525	4,55	64	96
ECG 2500 DX27-TO	5110	-	RAV-SM2804AT8-E	0,525	4,55	64	96
ECG 3000 DX27-TO	5840	-	RAV-SM2804AT8-E	0,600	5,20	65	109

(*) Includes direct expansion valve.

Version available for models: ECM, ECG - Recessed Windbox, Smart, Dam, Recessed Dam
ECG - Zen, Rund, Invisair, Rotowind

TOSHIBA Inverter Outdoor Units	Heating Capacity kW	Heating Power kW	SCOP or COP	Cooling Capacity kW	Cooling Power kW	SEER or EER	Power Supply	Pipes Gas Liquid inch	Pipes Minimum Length m	Pipes Maximum Length m	Pipes Maximum Height m
RAV-SM1104ATP-E	11,2	2,93	3,54	10,0	3,11	5,58	230Vx1	5/8 3/8	5	50	30
RAV-SP1104AT8-E	11,2	2,42	4,28	10,0	2,37	6,57	400Vx3	5/8 3/8	3	75	30
RAV SM1404ATP-E	14,0	3,80	3,68	12,0	3,74	3,21	230Vx1	5/8 3/8	5	50	30
RAV SP1404AT8-E	14,0	3,42	4,09	12,5	3,46	3,61	400Vx3	5/8 3/8	3	75	30
RAV-SM1603AT-E	16,0	4,43	3,61	14,0	4,49	3,12	230Vx1	5/8 3/8	5	50	30
RAV-SP1604AT8-E	16,0	4,30	3,72	14,0	4,49	3,12	400Vx3	5/8 3/8	3	75	30
RAV-SM2244AT8-E	22,4	6,49	3,45	20,0	7,20	2,78	400Vx3	1"1/8 1/2"	7,5	70	30
RAV-SM2804AT8-E	27,0	8,15	3,31	23,0	8,75	2,63	400Vx3	1"1/8 1/2"	7,5	70	30

Energy efficiency: SCOP/SEER seasonal ≤12kW, COP/EER >12kW.

Outdoor unit capacities depending on standard conditions: heating 20°CDB indoor / 7°CDB and 6°CWB outdoor, cooling 27°CDB and 19°CWB indoor / 35°CDB outdoor.

When adverse weather conditions, the outdoor unit capacity can decrease. It is recommendable to oversize the units.