RT-AD 0257÷04248

58 kW÷252 kW

Double skin packaged roof top units with scroll compressors and radial fans or EC inverter plug-fans

BASIC VERSIONS

RT-AD	Cooling only with radial fans
RT-AD/H	Reversible Heat Pump with radial fans
RT-AD/EC	Cooling only with EC Inverter Plug-Fans
RT-AD/EC/H	Reversible Heat Pump with EC Inverter Plug-Fans

TECHNICAL FEATURES

- Compressors. Scroll with oil sight glass. They are fitted with internal overheat protection and crankcase heater, installed on rubber shock absorbers.
- Electric board. It includes: main switch with door lock system; fuses; overload protection for compressors; condensing unit section fan thermocontacts; contactors for fan motors in the air conditioning section; interface relay; clamps for external connections.
- Microprocessor. For automatic control of the unit. Allows the viewing and control of all the variables of the compressor and unit, control set and real water temperature and, in case of partial or total block of the unit, indication of security device that intervened.
- Condenser. Made up of one (0257÷03111) or two (03127÷04248) finned coils with copper pipes and aluminium fins. Circuits on the refrigerant side are made to create one circuit in models 0257÷03143 and two independent circuits in models 04166÷04248.
- Evaporator. Made up of one (0257÷04195) or two (04248) finned coils with copper pipes and aluminium fins. Circuits on the refrigerant side are made to create one circuit in models 0257÷03143 and two independent circuits in models 04166÷04248.
- Condensing section fans. Axial fans directly coupled to a three-phase electric motor with external rotor. A safety fan guard is fitted on the air flow discharge.
- Air tratment and intake section fans: Radial delivery fan with electrical motor complete of adjustable transmission mounted on elastic supports. Radial intake fan with electrical motor complete of adjustable transmission mounted on elastic supports (ECO versions only).
- Air tratment and intake section fans (EC versions): EC Inverter Plug-Fans delivery fans with high energy efficient reverse blades with external rotor motor and electronic speed adjustment for easy adaptation to plant features. EC Inverter Plug-Fan intake fans with high energy efficient reverse blades with external rotor motor and electronic speed adjustment for an easy adaptation to plant features (ECO versions only).
- RT-AD and RT-AD/EC refrigerant circuit versions. Made with copper pipes, including for all models the following components: thermostatic expansion valve with external equalisation; filter-drier; level and humidity indicator and high and low pressure switches (with fixed setting).
- RT-AD/H and RT-AD/EC/H refrigerant circuit versions. The unit in Heat Pump version, in addition to the components of the cooling only unit, includes for each circuit: 4-way inversion valve; liquid separator on the suction line (03111÷03143); liquid receiver; check valves.

AIR TREATMENT SECTIONS:

BASICSECTION It includes: delivery fans, flat filters with pleated cells (G4 efficiency); heat exchanger coil with copper pipes and aluminium fins placed on a stainless steel moisture drain pan.

MIX Mixing box. Further to the components of the basic section, it includes: two-wing profile aluminium dampers with spring return servomotors, the opposite movement is ensured by the transmissions of nylon gears.

ECO Economizer. Further to components of the basic section, it includes: intake air fans; motorized wing profile aluminium dampers with opposite movement. Supply, return and fresh air are controlled through the microprocessor fitted in the base unit; this microprocessor, according to the temperature of the return and fresh air, modulates the opening of the dampers and controls the refrigerant circuit capacity steps to ensure comfort conditions of the handled air. The adjustments of the ECO version are automatically controlled both in Free-Cooling and Free-Heating mode.

ECO/REC-FX Economizer and Cross Flow Heat Recovery. Further to the components of the ECO section, it includes: static recovery device made of aluminium with moisture drain pan, flat filters inspectable through hinged door and dampers with return spring servomotors (fresh air damper + return air damper + supply air damper + 2 Free-Cooling dampers). Also the adjustment of this section is included into the unit control.

ECO/REC-WH Economizer andWheel Heat Recovery. Further to the components of the ECO section, includes: high efficiency wheel-type recovery device made of aluminium with hygroscopic treatment, managed by a constant-speed electric motor, with moisture drain pan, flat filters with inspection possible through hinged door with spring return (external air damper + supply air damper + 2 Free-Cooling dampers). Also the adjustment of this section is included into the unit control.

COMPLEMENTARY SECTIONS:

UMI Section with preparation for Humidifier. It includes: steam room, stainless steel moisture drain pan and presetting for fitting the humidifying nozzles; hinged door in pressure for inspection.

UMI/EN Section humidifier with electrodes immersed. It includes: steam room, stainless steel moisture drain pan and plunged electrodes steam producer; hinged door for inspection. The system is controlled and monitorized directly by the unit control.

F/CD Condensing hot air generator with modulating gas burner. It includes: condensation furnace in stainless steel. The condensation thermal module is designed to fit the air handling sections and, taking advantage of the premixing and modulation technology, achieves a very high efficiency.The furnace is made of AISI 304L stainless steel to ensure a very high resistance to the moisture. The premixed gas burner grants the absence of CO and nitrogen emissions are less than 30 ppm. The electronic card modulates the heating capacity according to the parameters selected and detected by the control system of the unit.

RT-AD		0257	0265	0276	0286	0297	03111	RT-AD
(1) Pot. frigorifera / Cooling capacity / Puis. frigorifique	kW	57,9	65,8	77,6	87,4	98,6	113	Kühlleistung / Pot. frigorífica / Capacitate de racire (1)
(1) Pot. assorbita / Power input / Puiss. absorbée	kW	19,4	21,8	24,6	26,2	30,8	37,8	Leistungsaufnahme / Pot. absorbida / Putere absorbita (1)
(2) Pot. calorifica / Heating capacity / Puis. calorifique	kW	60,2	67,2	76,8	88,6	101	115	Heizleistung / Pot. calorífica / Capacitate de incalzire (2)
(2) Pot. assorbita / Power input / Puiss. absorbée	kW	16,8	17,9	20,2	22,8	25,2	32,2	Leistungsaufnahme / Pot. absorbida / Putere absorbita (2)
Sezione trattamento aria / Air treatment section / Section traitement air								Verflüssigungsektion / Secciòn tratamiento aire / Sectiune de tratare aer
Portata aria / Air flow / Débit d'air	m^3/s	2,67	3,30	4,05	4,05	4,84	5,49	Nennluftmenge / Caudal de aire / Debit aer
Ventilatori / Fans / Ventilateurs	n°	1						Ventilatoren / Ventiladores / Ventilatoare
Prevalenza utile / Ext. pressure / Pression utile (*)	Pa	250						Ext. Pressung / Prevalência útil / Presiune utila pompa / (*)
Filtri / Filters / Filtre		G4						Filter / Filtros / Filtre
Sezione trattamento aria / Air treatment section / Section traitement air EC VERSION								EC VERSION Verflüssigungsektion / Secciòn tratamiento aire / Sectiune de tratare aer
Portata aria / Air flow / Débit d'air	m^3/s	2,67	3,30	4,05	4,05	4,84	5,49	Nennluftmenge / Caudal de aire / Debit aer
Ventilatori / Fans / Ventilateurs	n°	1	1	2	2	2	2	Ventilatoren / Ventiladores / Ventilatoare
Prevalenza utile / Ext. pressure / Pression utile (*)	Pa	250						Ext. Pressung / Prevalência útil / Presiune utila pompa / (*)
Filtri / Filters / Filtre		G4						Filter / Filtros / Filtre
Sezione ripresa aria / Air intake section / Section reprise air								Luftansaug Sektion / Sección de entrada aire / Sectiune aspiratie aer
Portata aria / Air flow / Débit d'air	m^3/s	2,67	3,30	4,05	4,05	4,84	5,49	Nennluftmenge / Caudal de aire / Debit aer
Prevalenza utile / Ext. pressure / Pression utile (*)	Pa	100						Ext. Pressung / Prevalência útil / Presiune utila pompa / (*)
Ventilatori / Fans / Ventilateurs	n°	1						Ventilatoren / Ventiladores / Ventilatoare
Sezione ripresa aria / Air intake section / Section reprise air EC VERSION								EC VERSION Luftansaug Sektion / Sección de entrada aire / Sectiune aspiratie aer
Portata aria / Air flow / Débit d'air	m^3/s	2,67	3,30	4,05	4,05	4,84	5,49	Nennluftmenge / Caudal de aire / Debit aer
Prevalenza utile / Ext. pressure / Pression utile (*)	Pa	100						Ext. Pressung / Prevalência útil / Presiune utila pompa / (*)
Ventilatori / Fans / Ventilateurs	n°	1	1	1	1	2	2	Ventilatoren / Ventiladores / Ventilatoare
Sezione motocondensante / Condensing section / Section groupe condensant								Luftbehandlungsektion / Sección de trato aire / Sectiune de condensare
Compressori / Compressors / Compresseurs	n°	2					3	Verdichter / Compresores / Compresoare
Circ. frigoriferi / Refrigerant circuits / Circ. frigorifique	n°	1						Kältekreislauf / Circ. frigoríficos / Circuit frigorific
Portata aria / Air flow / Débit d'air	m^3/s	6,9	7,1	6,9	6,7	6,7	9,8	Nennluftmenge / Caudal de aire / Debit aer
Gradini di parzializz. / Capacity steps / Degrés de découpage	n°	2					3	Drosselung. / Grados de parcializ. / Grade de partializare
Ventilatori / Fans / Ventilateurs	n°	2	2	2	2	2	2	Ventilatoren / Ventiladores / Ventilatoare
Assorbimenti totali / Total electrical consumption								Absorptions totales / Consumos totales
Alimentazione / Power supply / Alimentation	V/Ph/Hz	400 / 3 / 50						Elektrische Einspeisung / Alimentación / Alimentare
Corr. max funz. / Max Running current / Cour. refr.	A	50	53	63	67	76	94	Strom Kühlfunktion / Corr. max función / Curent max in funct.
Corr. max spunto / Max inrush current / Cour. cha.	A	173	175	186	199	243	218	Strom Heizfunktion / Corr.máx. arranque / Curent max la pornire
Assorbimenti totali / Total electrical consumption EC VERSION								EC VERSION Absorptions totales / Consumos totales
Alimentazione / Power supply / Alimentation	V/Ph/Hz	400 / 3 / 50						Elektrische Einspeisung / Alimentación / Alimentare
Corr. max funz. / Max Running current / Cour. refr.	A	46	47	56	60	69	88	Strom Kühlfunktion / Corr. max función / Curent max in funct.
Corr. max spunto / Max inrush current / Cour. cha.	A	169	169	179	192	236	212	Strom Heizfunktion / Corr.máx. arranque / Curent max la pornire
(4) Pressione sonora / Sound pressure / Pres. sonore	dB(A)	57	57	57	57	57	58	Schalldruckpegel / Rumorosidade / Nivel de zgomot (4)
Batteria ad acqua calda / Hot water coil / Batterie eau chaude								Warmwasser Wärmetauscher / Batería a agua caliente / Baterie apa calda
(5) Resa termica / Heating capacity / Rendement thermique	kW	85	100	125	125	150	175	Wärmeleistung / Eficiencia térmica / Capacitate de incalzire (5)
Portata acqua / Water flow / Débit d'eau	l/s	2,03	2,39	2,99	2,99	3,58	4,18	Kaltewassermenge / Caudal de agua / Debit de apa
Batteria elettrica / Electric heating / Batterie électrique								Elektrischer Wärmetauscher / Batería eléctrica / Batería eléctrica
Pot. termica / Heating capacity / Puis. chauffage	kW	15	21	27	27	27	41	Wärmeleistung / Pot. calorífica / Capacitate de incalzire
Alimentazione / Power supply / Alimentation	V/Ph/Hz	400 / 3 / 50						Elektrische Einspeisung / Alimentación / Alimentare
Peso di trasporto / Transport weight / Poids de transport								Transportgewicht /Peso de transporte / Greutate transport
RT-AD	kg	1030	1085	1180	1280	1300	1540	RT-AD
RT-AD/H	kg	1130	1190	1300	1410	1430	1690	RT-AD/H
RT-AD/EC	kg	990	1050	1150	1250	1260	1450	RT-AD/EC
RT-AD/EC/H	kg	1090	1160	1270	1380	1390	1600	RT-AD/EC/H

(1) Temp. aria ingresso evaporatore 27 °C b.s. 19 °C b.u.; aria esterna 35 °C;
(2) Temp. aria ingresso condensatore 20 °C; aria esterna 7 °C b.s./6 °C b.u.
(3) Esclusa la potenza assorbita dai ventilatori centrifughi.
(4) Livello medio di pressione sonora rilevato in campo libero ad 1 m dall'unità (Q=2) secondo ISO 3744
(5) Temperatura aria ingresso 20 °C; temperatura acqua 70 / 60 °C.

(1) Evaporator inlet air temperature 27 °C d.b. 19 °C w.b.; air temperature 35 °C;
(2) Condensator inlet air temperature 20 °C; air temperature 7 °C d.b./6 °C w.b.
(3) Excluded the power absorbed by centrifugal fans.
(4) Sound pressure level measured in free field conditions at 1 m from the unit (Q=2) according to ISO 3744.
(5) Inlet air temperature 20 °C; water temperature 70 / 60 °C;

(1) Temp. eau entrée evaporateur 27 °C b.s. 19 °C b.h.; température air 35 °C;
(2) Temp. air entrée condenseur 20 °C; température air 7 °C b.s./6 °C b.h.
(3) Exclue la puissance absorbée par les ventilateurs centrifuges.
(4) Niveau de pression sonore relevé dans un champ libre à 1 m de l'unité (Q=2) selon ISO 3744.
(5) Température air entrée 20 °C; Température eau 70/60 °C

(1) Verdampfer eintritt Wassertemperatur 27 °C t.T. 19 °C f.T.; Umgebungstemp. 35 °C;
(2) Verflüssiger eintritt Umgebungstemp. 20 °C; Umgebungstemperatur 7 °C t.T./6 °C f.T.
(3) Leistungsaufnahme der Radialgebläse ausgeschlossen.
(4) Schalldruckpegel in freiem Feld 1 m von der Einheit (Q=2) Gemäß ISO 3744.
(5) Eintrittstemperatur Luft 20 °C; Wassere temperatur 70 / 60 °C;

(1) Temperatura aire ingreso evaporador 27 °C b.s. 19 °C b.u.; aire externo 35 °C;
(2) Temperatura aire ingreso condensador 20 °C; aire externo 7 °C b.s./6 °C b.u.
(3) Exclusión de la potencia absorbida por los ventiladores centrifugos.
(4) Nivel de presión sonora medido en campo libre a 1 m de la unidad (Q=2) según ISO 3744.
(5) Temperatura aire ingreso 20 °C; temperatura agua 70 / 60 °C.

(1) Temperatura aerului de intrare in evaporator 27 °C b.s. 19 °C b.u.; temperatura exterioara 35 °C;
(2) Temperatura aerului de intrare in condensator 20 °C; temperatura exterioara 7 °C b.s./6 °C b.u.
(3) Exclusa puterea absorbita de ventilatoarele centrifugale
(4) Temperatura aerului de intrare 20 °C; temperatura apei de intrare 70°C; temperatura apei la iesire 60 °C.
(5) Nivel mediu de zgomot masurat in camp liber la 1 m de unitate si conform ISO 3744.

(*) Valori riferiti all'unità base / Data referred to the base unit / Données rapportées à l'unité base / Auf den Grundmodell bezogene Werte / Valores correspondientes a la unidad base / Date aferente unitatii de baza

RT-AD		03127	03143	04166	04195	04248	RT-AD
(1) Pot. frigorifera / Cooling capacity / Puis. frigorifique	kW	129	145	168	198	252	Kühlleistung / Pot. frigorífica / Capacitate de racire (1)
(1) Pot. assorbita / Power input / Puiss. absorbée	kW	40,4	43,3	54,6	61,5	85,1	Leistungsaufnahme / Pot. absorbida / Putere absorbita (1)
(2) Pot. calorifica / Heating capacity / Puis. calorifique	kW	133	151	173	204	262	Heizleistung / Pot. calorífica / Capacitate de incalzire (2)
(2) Pot. assorbita / Power input / Puiss. absorbée	kW	34,0	40,0	45,7	50,4	70,5	Leistungsaufnahme / Pot. absorbida / Putere absorbita (2)
Sezione trattamento aria / Air treatment section / Section traitement air							Verflüssigungsektion / Secciòn tratamiento aire / Sectiune de tratare aer
Portata aria / Air flow / Débit d'air	m^3/s	6,32	6,32	8,20	9,79	12,31	Nennluftmenge / Caudal de aire / Debit aer
Ventilatori / Fans / Ventilateurs	n°			1			Ventilatoren / Ventiladores / Ventilatoare
Prevalenza utile / Ext. pressure / Pression utile (*)	Pa			250			Ext. Pressung / Prevalência útil / Presiune utila pompa / (*)
Filtri / Filters / Filtre				G4			Filter / Filtros / Filtre
Sezione trattamento aria / Air treatment section / Section traitement air EC VERSION							EC VERSION Verflüssigungsektion / Secciòn tratamiento aire / Sectiune de tratare aer
Portata aria / Air flow / Débit d'air	m^3/s	6,32	6,32	8,20	9,79	12,31	Nennluftmenge / Caudal de aire / Debit aer
Ventilatori / Fans / Ventilateurs	n°	2	2	4	4	4	Ventilatoren / Ventiladores / Ventilatoare
Prevalenza utile / Ext. pressure / Pression utile (*)	Pa			250			Ext. Pressung / Prevalência útil / Presiune utila pompa / (*)
Filtri / Filters / Filtre				G4			Filter / Filtros / Filtre
Sezione ripresa aria / Air intake section / Section reprise air							Luftansaug Sektion / Sección de entrada aire / Sectiune aspiratie aer
Portata aria / Air flow / Débit d'air	m^3/s	6,32	6,32	8,20	9,79	12,31	Nennluftmenge / Caudal de aire / Debit aer
Prevalenza utile / Ext. pressure / Pression utile (*)	Pa			100			Ext. Pressung / Prevalência útil / Presiune utila pompa / (*)
Ventilatori / Fans / Ventilateurs	n°			1			Ventilatoren / Ventiladores / Ventilatoare
Sezione ripresa aria / Air intake section / Section reprise air EC VERSION							EC VERSION Luftansaug Sektion / Sección de entrada aire / Sectiune aspiratie aer
Portata aria / Air flow / Débit d'air	m^3/s	6,32	6,32	8,20	9,79	12,31	Nennluftmenge / Caudal de aire / Debit aer
Prevalenza utile / Ext. pressure / Pression utile (*)	Pa			100			Ext. Pressung / Prevalência útil / Presiune utila pompa / (*)
Ventilatori / Fans / Ventilateurs	n°	2	2	2	4	4	Ventilatoren / Ventiladores / Ventilatoare
Sezione motocondensante / Condensing section / Section groupe condensant							Luftbehandlungsektion / Sección de trato aire / Sectiune de condensare
Compressori / Compressors / Compresseurs	n°	3	3	4	4	4	Verdichter / Compresores / Compresoare
Circ. frigoriferi / Refrigerant circuits / Circ. frigorifique	n°	1	1	2	2	2	Kältekreislauf / Circ. frigoríficos / Circuit frigorific
Portata aria / Air flow / Débit d'air	m^3/s	14,0	13,9	13,9	13,4	20,0	Nennluftmenge / Caudal de aire / Debit aer
Gradini di parzializz. / Capacity steps / Degrés de découpage	n°	3	3	4	4	4	Drosselung. / Grados de parcializ. / Grade de partializare
Ventilatori / Fans / Ventilateurs	n°	4	4	4	4	6	Ventilatoren / Ventiladores / Ventilatoare
Assorbimenti totali / Total electrical consumption							Absorptions totales / Consumos totales
Alimentazione / Power supply / Alimentation	V/Ph/Hz			400 / 3 / 50			Elektrische Einspeisung / Alimentación / Alimentare
Corr. max funz. / Max Running current / Cour. refr.	A	100	109	133	150	173	Strom Kühlfunktion / Corr. max función / Curent max in funct.
Corr. max spunto / Max inrush current / Cour. cha.	A	232	276	265	317	347	Strom Heizfunktion / Corr.máx. arranque / Curent max la pornire
Assorbimenti totali / Total electrical consumption EC VERSION							EC VERSION Absorptions totales / Consumos totales
Alimentazione / Power supply / Alimentation	V/Ph/Hz			400 / 3 / 50			Elektrische Einspeisung / Alimentación / Alimentare
Corr. max funz. / Max Running current / Cour. refr.	A	93	102	126	148	170	Strom Kühlfunktion / Corr. max función / Curent max in funct.
Corr. max spunto / Max inrush current / Cour. cha.	A	225	269	258	315	344	Strom Heizfunktion / Corr.máx. arranque / Curent max la pornire
(4) Pressione sonora / Sound pressure / Pres. sonore	dB(A)	59	59	60	60	61	Schalldruckpegel / Rumorosidade / Nivel de zgomot (4)
Batteria ad acqua calda / Hot water coil / Batterie eau chaude							Warmwasser Wärmetauscher / Batería a agua caliente / Baterie apa calda
(5) Resa termica / Heating capacity / Rendement thermique	kW	200	200	250	300	350	Wärmeleistung / Eficiencia térmica / Capacitate de incalzire (5)
Portata acqua / Water flow / Débit d'eau	l/s	4,78	4,78	5,97	7,17	8,36	Kaltewassermenge / Caudal de agua / Debit de apa
Batteria elettrica / Electric heating / Batterie électrique							Elektrischer Wärmetauscher / Batería eléctrica / Batería eléctrica
Pot. termica / Heating capacity / Puis. chauffage	kW	41	41	41	48	55	Wärmeleistung / Pot. calorífica / Capacitate de incalzire
Alimentazione / Power supply / Alimentation	V/Ph/Hz			400 / 3 / 50			Elektrische Einspeisung / Alimentación / Alimentare
Peso di trasporto / Transport weight / Poids de transport							Transportgewicht /Peso de transporte / Greutate transport
RT-AD	kg	1900	1950	2270	2480	3320	RT-AD
RT-AD/H	kg	2090	2150	2500	2730	3470	RT-AD/H
RT-AD/EC	kg	1810	1860	2230	2400	3180	RT-AD/EC
RT-AD/EC/H	kg	1990	2050	2450	2640	3500	RT-AD/EC/H

(1) Temp. aria ingresso evaporatore 27 °C b.s. 19 °C b.u.; aria esterna 35 °C;
(2) Temp. aria ingresso condensatore 20 °C; aria esterna 7 °C b.s./6 °C b.u.
(3) Esclusa la potenza assorbita dai ventilatori centrifughi.
(4) Livello medio di pressione sonora rilevato in campo libero ad 1 m dall'unità (Q=2) secondo ISO 3744
(5) Temperatura aria ingresso 20 °C; temperatura acqua 70 / 60 °C.

(1) Evaporator inlet air temperature 27 °C d.b. 19 °C w.b.; air temperature 35 °C;
(2) Condensator inlet air temperature 20 °C; air temperature 7 °C d.b./6 °C w.b.
(3) Excluded the power absorbed by centrifugal fans.
(4) Sound pressure level measured in free field conditions at 1 m from the unit (Q=2) according to ISO 3744.
(5) Inlet air temperature 20 °C; water temperature 70 / 60 °C;

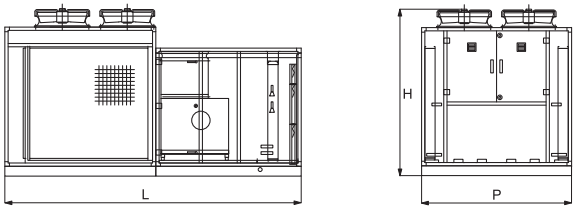
(1) Temp. eau entrée evaporateur 27 °C b.s. 19 °C b.h.; température air 35 °C;
(2) Temp. air entrée condenseur 20 °C; température air 7 °C b.s./6 °C b.h.
(3) Exclue la puissance absorbée par les ventilateurs centrifuges.
(4) Niveau de pression sonore relevé dans un champ libre à 1 m de l'unité (Q=2) selon ISO 3744.
(5) Température air entrée 20 °C; Température eau 70/60 °C

(1) Verdampfer eintritt Wassertemperatur 27 °C t.T. 19 °C f.T.; Umgebungstemp. 35 °C;
(2) Verflüssiger eintritt Umgebungstemp. 20 °C; Umgebungstemperatur 7 °C t.T./6 °C f.T.
(3) Leistungsaufnahme der Radialgebläse ausgeschlossen.
(4) Schalldruckpegel in freiem Feld 1 m von der Einheit (Q=2) Gemäß ISO 3744.
(5) Eintrittstemperatur Luft 20 °C; Wassere temperatur 70 / 60 °C;

(1) Temperatura aire ingreso evaporador 27 °C b.s. 19 °C b.u.; aire externo 35 °C;
(2) Temperatura aire ingreso condensador 20 °C; aire externo 7 °C b.s./6 °C b.u.
(3) Exclusión de la potencia absorbida por los ventiladores centrífugos.
(4) Nivel de presión sonora medido en campo libre a 1 m de la unidad (Q=2) según ISO 3744.
(5) Temperatura aire ingreso 20 °C; temperatura agua 70 / 60 °C.

(1) Temperatura aerului de intrare in evaporator 27 °C b.s. 19 °C b.u.; temperatura exterioara 35 °C;
(2) Temperatura aerului de intrare in condensator 20 °C; temperatura exterioara 7 °C b.s./6 °C b.u.
(3) Exclusa puterea absorbita de ventilatoarele centrifugale
(4) Temperatura aerului de intrare 20 °C; temperatura apei de intrare 70°C; temperatura apei la iesire 60 °C.
(5) Nivel mediu de zgomot masurat in camp liber la 1 m de unitate si conform ISO 3744.

(*) Valori riferiti all'unità base / Data referred to the base unit / Données rapportées à l'unité base / Auf den Grundmodell bezogene Werte / Valores correspondientes a la unidad base / Date aferente unitatii de baza



RT-AD - RT-AD/H RT-AD/EC - RT-AD/EC/H		0257	0265	0276	0286	0297	03111	03127	03143	04166	04195	04248
L mm	STD	2980	3080	3190	3190	3290	3770	4500	4500	5150	5300	7370
P mm	STD	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
H mm	STD	2100	2340	2340	2340	2340	2340	2340	2340	2340	2510	2510

RT-AD/MIX - RT-AD/H/MIX RT-AD/EC/MIX - RT-AD/EC/H/MIX		0257	0265	0276	0286	0297	03111	03127	03143	04166	04195	04248
L mm	STD	3430	3530	3640	3640	3740	4220	4950	4950	5600	5750	7850
P mm	STD	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
H mm	STD	2100	2340	2340	2340	2340	2340	2340	2340	2340	2510	2510

RT-AD/ECO - RT-AD/H/ECO RT-AD/EC/ECO - RT-AD/EC/H/ECO		0257	0265	0276	0286	0297	03111	03127	03143	04166	04195	04248
L mm	STD	5260	5480	5570	5570	5650	6170	6900	6900	8080	8470	11020
P mm	STD	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
H mm	STD	2100	2340	2340	2340	2340	2340	2340	2340	2340	2510	2510

FACTORY FITTED ACCESSORIES:

IM Automatic circuit breakers. Alternative to fuses and thermal relais.

SL Unit silencement. The compressors are equipped with sound-absorbing covering.

RFM Cooling circuit shut-off valve on discharge line.

RFL Cooling circuit shut-off valve on liquid line.

CT Condensing control down to 0 °C. For outside air temperatures down to 0 °C obtained by stop-ping some fans.

CC Condensing control down to -20 °C. Obtained by continuous adjustment of the fan rotation speed for outside air temperatures down to –20 °C.

TXC Condensing coil with pre-coated fins.

TXE Evaporating coil with pre-coated fins.

FT/M-M6 Soft bag filters efficiency M6.

FT/M-F7 Soft bag filters efficiency F7.

FT/M-F8 Soft bag filters efficiency F8.

FT/R-M6 Rigid bag filters efficiency M6.

FT/R-F7 Rigid bag filters efficiency F7.

FT/R-F8 Rigid bag filters efficiency F8.

AT Constant air flow regulation control. Allows to keep the air flow rate constant by adjusting fan speed, adapting to the plant pressure drops. The system also allows to compensate the progressive dirtying of the filters.

AT/P Constant available static pressure regulation control. Allows to keep the available static pressure constant by adjusting fan speed, adapting to the plant pressure drops.The system also allows to compensate the progressive dirtying of the filters.

WS2 2-Row hot water coil with 3-Way valve. It can be managed as post-heating or as integration to the capacity of the heat pump.

EHG Electrical heating coil with step regulation. It can be managed as post-heating or as integration to the capacity of the heat pump.

CH Enthalpic control (ECO only). Allows to have Free-Cooling managed with enthalpy logic instead of only temperature.

SQ Air quality probe. Allows to adjust the introduction of fresh air depending on the quality of the air, reducing waste caused by the conditioning of external air exceeding that effectively requested.

PF Filters control differential pressure switch. The device is installed and connected to the electric control board and allows to detect and display that the maximum dirt level of the filters has been reached.

IS Modbus RTU protocol, RS485 serial interface.

ISB BACnet MSTP protocol, RS485 serial interface.

ISBT BACnet TCP/IP protocol, Ethernet port

ISL LonWorks protocol, FFT-10 serial interface

CP Potential free contacts for remote alarm and control.

RP Coil protection metallic guards.

LOOSE ACCESSORIES:

MN High and low pressure gauges. One for each refrigerant circuit.

CR Remote control panel. To be installed in the room for remote control of the unit, with the same functions as that inserted in the machine.

AG Rubber shock absorbers.To be inserted at the bottom of the unit to dampen possible vibrations due to the type of floor where the machine is installed.