



Packaged Rooftop Unit



FEATURES

INTEGRAL DESIGN AND EASY INSTALLATION

The package rooftop has a integral design. It is supplied as a complete package ready for operation, with no extra controls or other items to be installed. The units have a single power point entry with simple connections.

Quick start-up is assured once installation is completed, as each rooftop unit is manufactured in an ISO9001:2000 listed facility to guarantee quality. All units are tested at the factory to provide reliable start up.

HIGHLY QUALITY COMPONENTS AND RELIABLE PERFORMANCE

All series rooftop packaged units use high-efficiency scroll compressor and high quality world known brand cooling parts, which ensures units' reliable performance.

STANDARD FEATURES

- Easily accessible system components
- Factory micro-programmed LED controller
- Heavy duty mounting chassis for unit and with lifting holes
- BMS
- Anti-vibration mounting compressor and centrifugal fan
- Weather-proof, polyester epoxy powder electrostatic paint

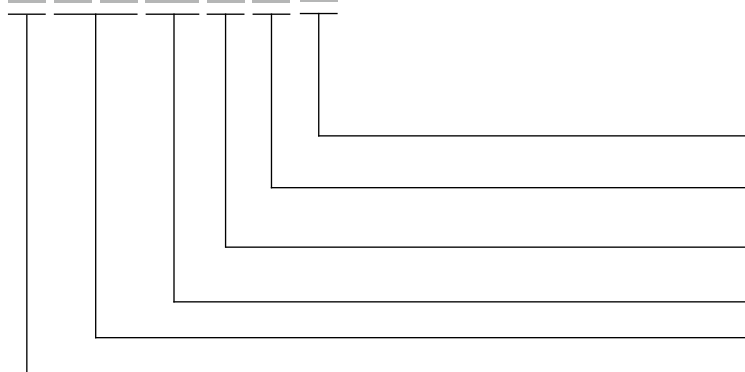
- oven-baked finish for sheet metal and base frame
- Compressor, fan motor inner protect
- Treated anti-corrosion protection for coils (blue fins) for copper/aluminum coils condensor and evaporator

OPTIONAL

- Optional supply/return air configurations, optional bottom supply and return type
- Copper fin condenser and evaporator for area need special anti-corrosion
- Blygold painting for condenser and evaporator for area need special anti-corrosion
- Stainless steel body cover and drain pan
- Economizer
- Control device for operation of outdoor units at low ambient temperatures
- BMS devices
- Tropical climate design
- Roof curb
- Pre-filter; secondary filter; hepa filter
- Hot water coil
- Electrical heater
- Gas burner function
- Free cooling
- Multiple power sources available

NOMENCLATURE

H D X 012 C A Z



- Z: Integrated type; F: Split type
- Refrigerant Type
- : R22; A: R410a; C: R407c
- C: Cooling only
- H: Heat pump
- Model (usRT)
- DX: Air to air direct expansion
- HYC series product

SPECIFICATION

R410a

Model		003	004	005	006	007	008	010	012	015	
Nominal cooling capacity	kW	10.1	14.2	17.4	20.2	24.4	29.2	34.8	41.2	52.4	
Nominal heating capacity	kW	10.4	15.0	18.0	20.8	24.8	30.4	36.0	42.5	53.2	
Rated power input	kW	3.49	5.11	5.83	7.23	8.35	10.33	12.27	13.52	19.04	
Power supply	/	380~415V / 3Ph / 50Hz									
Compressor	Quantity	Nr.	1	1	1	1	1	1	1	2	
	Input power	kW	2.69	4.04	4.66	5.38	6.5	8.08	9.32	10.58	13.74
	Input current	Amps	5.00	7.11	8.33	10	12.38	14.22	16.66	20.18	25.8
	Type	/	Scroll								
Evaporator section	Fan quantity	Nr.	1	1	1	1	1	1	1	1	
	Air flow	m3/h	2000	2800	3200	4000	5000	6000	7000	8000	10000
	Fan type	/	Centrifugal fan								
	Drive type	/	Direct drive/belt drive								
	ESP	Pa	100	100	100	150	150	150	200	200	200
Condensor section	Fan quantity	/	1	1	1	1	1	1	1	1	
	Fan type	/	Axial fan								
Unit dimension	Length	mm	1120	1120	1120	1630	1630	2170	2170	2230	2230
	Width	mm	750	750	750	1070	1070	1340	1340	1400	1830
	Height	mm	830	830	830	1070	1070	1005	1005	1250	1250
Net weight	kg	150	158	170	340	360	440	460	550	720	
Sound pressure levels	dB(A)	65	65	65	65	67	68	68	68	69	

The performance values refer to the following conditions:

- Cooling: room air temperature 27.0°C DB RH 50%, ambient air temperature 35°C.
- Heating: room air temperature 20.0°C DB, ambient air temperature 7°C DB / 6°C WB.
- HYC reserve the right to make changes for above parameters without prior notice.

SPECIFICATION

R410a

Model			020	025	030	035	040	045	070	095	
Nominal cooling capacity	kW		71.0	87.2	103.6	124.0	140.4	158.0	240.0	320.0	
Nominal heating capacity	kW		73.0	89.4	105.8	128.4	145.3	163.5	248.0	332.0	
Rated power input	kW		25.26	30.4	37.5	45.8	50.52	55.4	86.2	114.3	
Power supply	/	380~415V / 3Ph / 50Hz									
Compressor	Quantity	Nr.	2	2	2	2	2	2	3	4	
	Input power	kW	18.26	20.7	27.7	32.24	36.52	41.1	61.6	82.2	
	Input current	Amps	32.56	38.04	48.1	59.28	65.16	71.3	106.9	142.6	
	Type	/	Scroll								
Evaporator section	Fan quantity	Nr.	1	1	1	1	1	1	1	1	
	Air flow	m3/h	14000	16000	19000	23000	26000	29500	46000	60000	
	Fan type	/	Centrifugal fan								
	Drive type	/	Direct drive/belt drive								
	ESP	Pa	250	250	250	300	300	350	400	450	
Condensor section	Fan quantity	/	2	2	2	2	2	2	6	8	
	Fan type	/	Axial fan								
Unit dimension	Length	mm	2760	2760	2760	3800	3800	4200	5900	7500	
	Width	mm	2160	2160	2160	2160	2160	2200	2200	2200	
	Height	mm	1250	1680	1680	2050	2050	2400	2500	2500	
Net weight	kg	940	1100	1130	1720	1800	1930	2200	2200	3100	
Sound pressure levels	dB(A)	70	70	70	78	78	81	81	81	84	

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