

Specification (Cassette)

IDU		RCI-1.5TNE1NH	RCI-2.0TNE1NH	RCI-3.0TNE1NH	RCI-4.0TNE1NH	RCI-5.0TNE1NH	RCI-6.0TNE1NH	RCI-6.5TNE1NH
ODU		RAS-1.5TNE5NH	RAS-2.0TNE5NH	RAS-3.0TNE5NH	RAS-4.0TNE5NH	RAS-5.0TNE5NH	RAS-6.0TNE5NH	RAS-6.5TNE5NH
Power supply (Outdoor)		220-240V/50						
Max. input consumption	W	1,800	2,710	4,100	5,100	6,400	8,300	7,800
Max. input current	A	8.1	12.3	18.1	22.5	11.6	11.0	13.1
Average	Design	kW						
	SEER	W/W						
	Energy Efficiency Class	A++						
Cooling	Capacity	Btu/h						
	Input	kW						
	Current	A						
Indoor fan motor	Qty	1						
	Input	W						
	Capacitor	µF						
Indoor air flow Rate(Hi/Mod/La)	m³/h	575/484/400						
	CFM	330/285/235						
	Indoor noise level (Hi/Mod/La)	dB(A)						
Indoor unit	Dimension (WxHxD)	mm						
	Packing (WxHxD)	mm						
	Net/Gross weight	kg						
Drainage water pipe diameter	mm	mm						
	Remote controller							
	16-30							
Compressor	Type	Rotary						
	Rated current(FLA)	A						
	Refrigerant oil	ml						
Outdoor fan motor	Qty	1						
	Input	W						
	Speed (Hi)	r/min						
Outdoor noise level (Sound pressure) Hi	dB(A)	dB(A)						
	Outdoor noise level (Sound power)							
	dB(A)	dB(A)						
Throttle type	Dimension (WxHxD)	mm						
	Packing (WxHxD)	mm						
	Net/Gross weight	kg						
Refrigerant type/Quantity	Type	R410A						
	Charged volume	kg						
	Liquid side/ Gas side	mm(dia)						
Refrigerant piping	Max. pipe length	m						
	Max. difference in level	m						
	Annual energy consumption(cooling)	kWh/a						
Ambient temperature	Cooling °C							
Qty per 20' /40' /40'90 (Outdoor unit)	Set	Set						

Normal testing conditions: Cooling - Indoor 80°F DB / 63.2°F WB (27°C DB / 19°C WB) & Outdoor 95°F DB / 75.2°F WB (35°C DB / 24°C WB)

Specification (Floor Ceiling)

IDU		RPFC-2.0TNE1NH	RPFC-3.0TNE1NH	RPFC-4.0TNE1NH	RPFC-5.0TNE1NH	RPFC-6.0TNE1NH	RPFC-6.5TNE1NH	
ODU		RAS-2.0TNE5NH	RAS-3.0TNE5NH	RAS-4.0TNE5NH	RAS-5.0TNE5NH	RAS-6.0TNE5NH	RAS-6.5TNE5NH	
Power supply (Outdoor)		220-240V/50						
Max. input consumption	W	2,600	4,100	5,100	6,400	6,300	8,200	
Max. input current	A	11.0	18.1	22.5	11.4	11.0	13.5	
Average	Design	kW						
	SEER	W/W						
	Energy Efficiency Class	A++						
Cooling	Capacity	Btu/h						
	Input	kW						
	Current	A						
Indoor fan motor	Qty	1						
	Input	W						
	Speed(Hi/Mod/La)	r/min						
Indoor air flow Rate(Hi/Mod/La)	m³/h	800/700/610						
	CFM	470/400/340						
	Indoor noise level (Hi/Mod/La)	dB(A)						
Indoor unit	Dimension (WxHxD)	mm						
	Packing (WxHxD)	mm						
	Net/Gross weight	kg						
Drainage water pipe diameter	mm	mm						
	Remote controller							
	16-30							
Compressor	Type	Rotary						
	Rated current(FLA)	A						
	Refrigerant oil	ml						
Outdoor fan motor	Qty	1						
	Input	W						
	Speed (Hi)	r/min						
Outdoor noise level (Sound Pressure) Hi	dB(A)	dB(A)						
	Outdoor noise level (Sound Power)							
	dB(A)	dB(A)						
Throttle type	Dimension (WxHxD)	mm						
	Packing (WxHxD)	mm						
	Net/Gross weight	kg						
Refrigerant type/Quantity	Type	R410A						
	Charged volume	kg						
	Liquid side/ Gas side	mm(dia)						
Refrigerant piping	Max. pipe length	m						
	Max. difference in level	m						
	Annual energy consumption(cooling)	kWh/a						
Ambient temperature	Cooling °C							
Qty per 20' /40' /40'90 (Outdoor unit)	Set	Set						

Normal testing conditions: Cooling - Indoor 80°F DB / 63.2°F WB (27°C DB / 19°C WB) & Outdoor 95°F DB / 75.2°F WB (35°C DB / 24°C WB)

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TNESC(M)H1-L-1712-1

LIGHT COMMERCIAL SYSTEM

INVERTER A++ COOLING ONLY

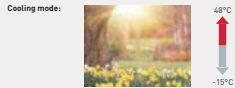




Product Features

General

Wide Ambient Temperature Range
High cooling performance at wide ambient temperature range.



Refrigerant Leakage Detection
Indoor unit will stop operation automatically and show error code when the refrigerant charging amount is lower than 30%, which can avoid the compressor being damaged by high temperature due to refrigerant leakage. When the refrigerant charging amount is between 30%~80%, the unit will judge itself if error code is necessary. This feature can also better ensure the heat transfer efficiency and the safety of the unit.

PRIMARY

IDU Features

Cassette Type

IR receiver for Remote Controller
Reserved port for Remote sensing which makes control more convenient.



Washable Filter
Washable filter allows for convenience service and maintenance.

4-Way Airflow
Front air deflectors are adjustable for horizontal or vertical airflow. Smooth airflow can be directed to air condition the whole room or even a particular point for better comfort.

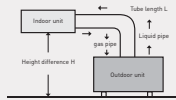


Fresh Air Inlet
Fresh air outside can be led into the room, which keeps room air fresh and ventilated. It's about 15m³/h.

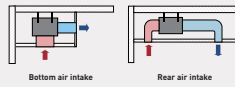


Ducted Type

Long piping and Large Height Difference
Up to 50m piping run and 30m height applications can be covered, high flexibility in installation configuration.



Flexible air return from bottom or rear
Depending on different installation circumstances, the installation will be highly flexible.



These two kinds of design (straight blow & external ducted), without changing equipment, just adjust the ESP setting.

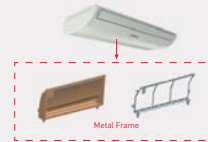
Built-in drain pan
Compared with outside drain pan design, the new built-in drain pan can reduce the dust adhesion, and avoid water leakage.



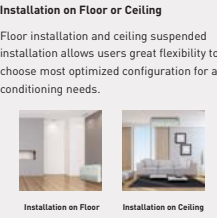
Wide ESP range
Optional wide static pressure range for long ducting and multi-zone applications, more flexible and convenient in installation.

Floor Ceiling Type

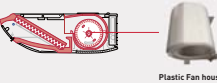
Metal frame of drain pan
The drain pan adopts integrated design with high strength of steel and foaming PS, which can effectively enhance the durability of drain pan and improve the thermal insulation and anti-condensation function of the unit.



Installation Flexibility
Fresh air inlet
Allow fresh air intake to improve indoor ventilation and air quality.



Plastic Fan housing
Plastic fan housing can reduce the noise level effectively.



Specification [Ducted]

IDU	RPIL-1.0TNEWH	RPIL-1.0TNEWH	RPIL-2.0TNEWH	RPIL-3.0TNEWH	RPIL-4.0TNEWH	RPIL-5.0TNEWH	RPIL-6.0TNEWH	RPIL-6.0TNEWH
IDU	RAS-1.0TNEWH	RAS-1.0TNEWH	RAS-2.0TNEWH	RAS-3.0TNEWH	RAS-4.0TNEWH	RAS-5.0TNEWH	RAS-6.0TNEWH	RAS-6.0TNEWH
Power supply (Outdoor)	V/Ph/Hz		220-240/1/50				380-415/2/50	
Max. input	W	1,140	1,800	2,640	4,100	5,100	6,400	7,000
Max. input current	A	7.8	8.1	11.1	18.1	22.5	11.4	12.0
Average	Refrigeric	kW	2.610	3.520	5.280	6.800	10.100	12.026
	SEER	WW	6.15	6.45	6.11	6.17	6.23	5.71
	Energy Efficiency Class	A+	A++	A+	A+	A++	A+	A+
Cooling	Capacity	kW/h	9,180	12,000	18,225	23,202	34,641	41,033
	Capacity	kW	2.7	3.5	5.3	6.8	10.1	12.0
	Input	W	780	999	1,653	2,239	3,311	4,295
	Current	A	3.4	4.4	7.4	9.7	14.5	17.4
	EER	WW	3.45	3.52	3.23	3.05	3.05	2.80
Indoor fan motor	Qty	1	1	1	1	1	1	1
	Input	W	40	40	40	95	250	250
	Capacitor	µF	/	/	2	/	/	/
	Speed(H/Med/L)	r/min	720/640/540	880/740/610	1120/950/850	890/790/690	800/700/600	910/810/710
Indoor air flow Rate(H/Med/L)	m ³ /h	500/400/320	575/464/400	900/840/730	1100/974/832	1450/1290/1050	1750/1500/1300	2400/2200/1900
Indoor air flow Rate(H/Med/L)	CFM	294/228/188	338/261/225	527/464/429	647/574/501	833/730/618	1029/882/745	1294/1200/1118
ESP	Rated	Pa	25	25	25	37	50	50
	Range	Pa	0-50	0-50	10/50	0-80	0-120	0-120
Indoor noise level [Sound power]	dBA	44	50	57	58	62	67	70
	Dimension [WxHxD]	mm	900×190×447	900×190×447	1170×190×447	900×270×720	1300×350×800	1300×350×800
Indoor unit	Packing [WxHxD]	mm	1070×236×580	1070×236×580	1340×236×580	1170×340×870	1550×410×940	1550×410×940
	Net/Gross weight	kg	19/23.5	19/23.5	24/29	32/37	51/60	51/60
Drainage water pipe diameter	mm	ØD632	ØD632	ØD632	ØD632	ØD632	ØD632	ØD632
Controller	Wired controller							
Operation temperature	16-30							
Qty per 20' /40' /40' W (Indoor unit)	Set	200/440/484	200/440/484	140/240/274	84/182/182	25/75/90	35/75/90	35/75/90
	Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
Compressor	Rated current (RLA)	A	2.95	5.70	8.10	8.90	5.10	13.20
	Refrigerant oil	ml	64RHS-H1220	63TER OIL V074/20	63TER OIL V074/20	POE V074/170	POE V074/170	POE V074/170
	Qty	1	1	1	1	1	1	2
Outdoor fan motor	Input	W	30	30	41	41	121	138
	Speed (H)	r/min	820	880	840	880	830	850
Outdoor noise level [Sound pressure]	dBA	52	48	53	53	55	58	53
Outdoor noise level [Sound power]	dBA	45	42	45	48	50	54	49
Throttle type	EEV	EEV	EEV	EEV	EEV	EEV	EEV	EEV
	Dimension [WxHxD]	mm	730×536×260	810×585×280	840×670×310	860×670×310	950×1050×340	950×1384×340
Outdoor unit	Packing [WxHxD]	mm	860×600×400	940×640×420	990×730×450	990×730×450	1110×1200×460	1110×1327×460
	Net/Gross weight	kg	31/24	34/28.5	45/49	51/57	70/80	85/95
Refrigerant type/Quantity	Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charged volume	kg	0.83	1.05	1.3	1.7	2.8	3.2
Refrigerant piping	Liquid side/Gas side	mm (inCh)	Ø6.35/Ø9.12 (1/2"/3/8")	Ø6.35/Ø9.12 (1/2"/3/8")	Ø6.35/Ø11.7 (1/2"/1/2")	Ø9.12/Ø11.8 (3/8"/3/8")	Ø9.12/Ø11.8 (3/8"/3/8")	Ø9.12/Ø11.8 (3/8"/3/8")
	Max. pipe length	m	25	25	30	30	50	50
	Max. difference in level	m	10	10	15	15	30	30
Annual energy	kWh/a	197	195	314	386	547	741	800
Ambient temperature	Cooling	°C	-15-48	-15-48	-15-48	-15-48	-15-48	-15-48
Qty per 20' /40' /40' W (Outdoor unit)	Set	102/213/292	102/204/272	90/184/186	90/184/186	52/151/166	24/53/53	24/53/53

Nominal testing condition:
Cooling: Indoor 8.0°C DB / 6.5°C WB (23°C DB / 19°C WB) & Outdoor 35°C DB / 24.5°C WB (24°C WB)