

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-1.5TNESNH1	RAS-2.0TNESNH1	RAS-3.0TNESNH1	RAS-4.0TNESNH1	RAS-5.0TNESMH1	RAS-6.0TNESMH1	RAS-6.5TNESMH1
Power supply (Outdoor)		V/Ph/Hz	220~240/1/50				380~415/3/50		
Max. input consumption		W	1,800	2,710	4,100	5,150	6,400	6,300	7,800
Max. input current		A	8.1	12.3	18.1	22.5	11.6	11.0	13.1
Average	Pdesignc	kW	3.520	5.100	7.070	10.300	12.068	13.400	14.500
	SEER	W/W	6.61	6.11	6.46	6.13	5.72	6.01	5.87
	Energy Efficiency Class		A++	A+	A++	A++	A+	A+	A+
	Capacity	Btu/h	12,310	18,088	24,123	35,144	41,176	45,721	49,474
Cooling	Capacity	kW	3.6	5.3	7.1	10.3	12.1	13.4	14.5
	Input	W	988	1,710	2,209	3,433	4,190	4,621	5,492
	Current	A	4.4	7.6	9.7	16.5	7.2	7.4	9.7
	EER	W/W	3.65	3.10	3.20	3.00	2.88	2.90	2.64
Indoor fan motor	Qty		1	1	1	1	1	1	1
	Input	W	30	28	35	80	124	124	124
	Capacitor	µF	/	2	/	/	/	/	/
	Speed(Hi/Med/Lo)	r/min	700/590/520	980/840/720	450/390/270	600/480/390	630/600/570	700/540/460	700/540/460
Indoor air flow Rated(Hi/Med/Lo)		m³/h	575/484/400	820/730/620	1100/976/852	1600/1300/1000	1850/1700/1550	2000/1900/1700	2000/1900/1700
Indoor air flow Rated(Hi/Med/Lo)		CFM	338/285/235	482/429/365	647/574/501	941/765/588	1088/1000/912	1180/1120/1000	1180/1120/1000
Indoor noise level (Hi/Med/Lo)		dB(A)	39/37/36	45/41/39	41/38/36	45/40/37	46/43/41	50/48/46	47/45/43
Indoor noise level (Sound power)		dB(A)	52	59	57	61	62	64	62
Indoor unit	Dimension (WxHxD)	mm	650×270×570	650×270×570	840×248×840	840×248×840	840×298×840	840×298×840	840×298×840
	Packing(WxHxD)	mm	770×310×750	770×310×750	996×370×956	996×370×956	996×420×956	996×420×956	996×420×956
	Net/Gross weight	kg	19/24	21/26	28/37	30/39	32/41	32/41	32/41
Drainage water pipe diameter		mm	IDΦ21	IDΦ21	IDΦ32	IDΦ32	IDΦ32	IDΦ32	IDΦ32
Controller			Remote controller						
Operation temperature		°C	16~30						
Qty'per 20' /40' /40'HQ (Indoor unit)		Set	147/315/384	147/315/384	72/144/168	60/120/144	60/120/144	60/120/144	60/120/144
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Rated current(RLA)	A	5.7	8.1	8.9	5.1	5.1	13.2	12
	Refrigerant oil	ml	ESTER OIL VG74/370	ESTEL OIL VG74/500	POE VG74/670	POE VG74/1000	POE VG74/1000	a 68HES-H or equivalent/1650	FV50S or PVE/1400
	Qty		1	1	1	1	1	2	2
Outdoor fan motor	Input	W	30	61	61	121	138	121	121
	Speed (Hi)	r/min	880	840	880	830	850	810	810
	Outdoor noise level (Sound pressure) Hi	dB(A)	48	53	53	55	58	53	58
Outdoor noise level (Sound power)		dB(A)	62	65	68	70	74	69	73
Throttle type			EEV	EEV	EEV	EEV	EEV	EEV	EEV
Outdoor unit	Dimension(WxHxD)	mm	810×585×280	860×670×310	860×670×310	950×840×340	950×1050×340	950×1386×340	950×1386×340
	Packing(WxHxD)	mm	940×640×420	990×730×450	990×730×450	1110×910×460	1110×1200×460	1110×1527×460	1110×1527×460
	Net/Gross weight	kg	34/38.5	45/49	51/57	70/80	85/95	103/109	103/109
	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant type/quantity	Charged volume	kg	1.05	1.30	1.70	2.80	3.20	3.78	3.95
	Liquid side/ Gas side	mm[inch]	Φ6.35/Φ9.52 [1/4/3/8]	Φ6.35/Φ12.7 [1/4/1/2]	Φ9.52/Φ15.88 [3/8/5/8]	Φ9.52/Φ19.05 [3/8/3/4]	Φ9.52/Φ19.05 [3/8/3/4]	Φ9.52/Φ19.05 [3/8/3/4]	Φ9.52/Φ19.05 [3/8/3/4]
	Max. pipe length	m	25	30	30	50	50	50	50
	Max. difference in level	m	10	15	15	30	30	30	30
Annual energy consumption(cooling)		kWh/a	185	303	405	599	676	857	933
Ambient temperature Cooling		°C	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48
Qty'per 20' /40' /40'HQ (Outdoor unit)		Set	102/204/272	90/186/186	90/186/186	52/106/106	26/53/106	26/53/53	26/53/53

Nominal testing conditions:
Cooling - Indoor 80.6°F DB / 66.2°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-2.0TNESNH1	RAS-3.0TNESNH1	RAS-4.0TNESNH1	RAS-5.0TNESMH1	RAS-6.0TNESMH1	RAS-6.5TNESMH1
Power supply (Outdoor)		V/Ph/Hz	220~240/1/50				380~415/3/50	
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	11.6	11.0	13.5
Average	Pdesignc	kW	5.200	6.750	10.230	12.050	12.868	14.420
	SEER	W/W	6.80	5.79	6.07	5.41	5.99	5.90
	Energy Efficiency Class		A++	A+	A+	A	A+	A+
	Capacity	Btu/h	17,870	23,031	34,905	41,115	43,906	49,201
Cooling	Capacity	kW	5.2	6.8	10.2	12.1	12.9	14.4
	Input	W	1,652	2,163	3,680	4,866	4,247	5,381
	Current	A	7.6	9.7	17.6	8.3	8.2	10.1
	EER	W/W	3.17	3.12	2.78	2.48	3.03	2.68
Indoor fan motor	Qty		1	1	1	1	1	1
	Input	W	100	100	140	181	181	181
	Speed(Hi/Med/Lo)	r/min	800/700/610	1280/1100/920	1220/1160/1080	1200/1100/1000	1250/1000/800	1250/1100/950
Indoor air flow Rated(Hi/Med/Lo)		m³/h	800/690/590	1100/950/800	1700/1500/1300	2000/1800/1600	2000/1600/1200	2000/1700/1500
Indoor air flow Rated(Hi/Med/Lo)		CFM	470/400/340	650/570/500	1000/882/765	1176/1059/941	1180/940/710	1180/1000/880
Indoor noise level (Hi/Med/Lo)		dB(A)	43/39/36	48/46/42	50/49/48	50/48/45	51/45/41	51/46/43
Indoor noise level (Sound Power)		dB(A)	57	63	64	66	67	66
Indoor unit	Dimension (WxHxD)	mm	990×230×680	990×230×680	1285×230×680	1580×230×680	1580×230×680	1580×230×680
	Packing(WxHxD)	mm	1100×350×820	1100×350×820	1400×350×820	1690×350×820	1690×350×820	1690×350×820
	Net/Gross weight	kg	29/34	30/35	37/44	48/56	48/56	50/58
Drainage water pipe diameter		mm	ODΦ25	ODΦ25	ODΦ25	ODΦ25	ODΦ25	ODΦ25
Controller			Remote controller					
Operation temperature		°C	16~30					
Qty'per 20' /40' /40'HQ (Indoor unit)		Set	84/168/196	84/168/196	42/84/98	42/84/98	42/84/98	42/84/98
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Rated current(RLA)	A	8.1	8.9	5.1	5.1	13.2	12.0
	Refrigerant oil	ml	ESTEL OIL VG74/500	POE VG74/670	POE VG74/1000	POE VG74/1000	a 68HES-H or equivalent/1650	FV50S or PVE/1400
	Qty		1	1	1	1	2	2
Outdoor fan motor	Input	W	61	61	121	138	121	121
	Speed (Hi)	r/min	840	880	830	850	810	810
	Outdoor noise level(Sound Pressure) Hi	dB(A)	53	53	55	58	53	58
Outdoor noise level(Sound Power)		dB(A)	65	68	70	74	69	73
Throttle type			EEV	EEV	EEV	EEV	EEV	EEV
Outdoor unit	Dimension(WxHxD)	mm	860×670×310	860×670×310	950×840×340	950×1050×340	950×1386×340	950×1386×340
	Packing(WxHxD)	mm	990×730×450	990×730×450	1110×910×460	1110×1200×460	1110×1527×460	1110×1527×460
	Net/Gross weight	kg	45/49	51/57	70/80	85/95	103/109	103/109
	Type		R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant Type/Quantity	Charged volume	kg	1.30	1.70	2.80	3.20	3.78	3.95
	Liquid side/ Gas side	mm[inch]	Φ6.35/Φ12.7 [1/4/1/2]	Φ9.52/Φ15.88 [3/8/5/8]	Φ9.52/Φ19.05 [3/8/3/4]	Φ9.52/Φ19.05 [3/8/3/4]	Φ9.52/Φ19.05 [3/8/3/4]	Φ9.52/Φ19.05 [3/8/3/4]
Refrigerant piping	Max. pipe length	m	30	30	50	50	50	50
	Max. difference in level	m	15	15	30	30	30	30
Annual energy consumption(cooling)		kWh/a	267	426	605	668	838	917
Ambient temperature Cooling		°C	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48
Qty'per 20' /40' /40'HQ (Outdoor unit)		Set	90/186/186	90/186/186	52/106/106	26/53/106	26/53/53	26/53/53

Nominal testing conditions:
Cooling - Indoor 80.6°F DB / 66.2°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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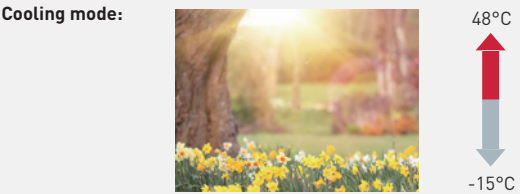


Product Features

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.

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.



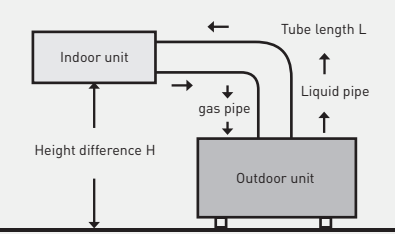
Fresh Air Inlet
Fresh air outside can be led into the room, which keeps room air fresh and ventilated. It's about 15m³/h.



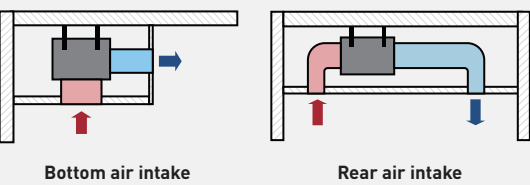
Ducted Type



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



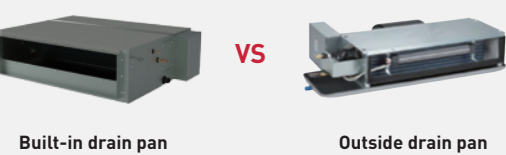
Flexible air return from bottom or rear
Depending on different installation circumstances, the installation will be highly flexible.



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.

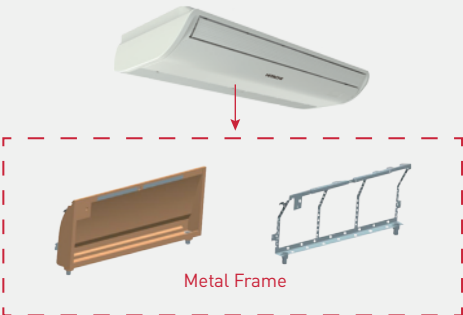


Wide ESP range
Optional wide static pressure range for long ducting and multi-zone applications, more flexible and convenient in installation.

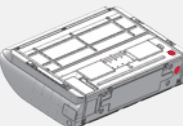
Floor Ceiling Type



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.

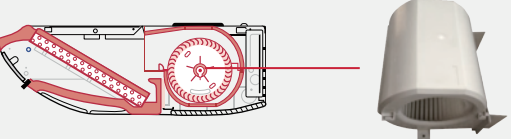


Installation on Floor or Ceiling

Floor installation and ceiling suspended installation allows users great flexibility to choose most optimized configuration for air conditioning needs.



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



Plastic Fan housing

Specification (Ducted)

IDU		RPIL-1.0TNE1NH	RPIL-1.5TNE1NH	RPIM-2.0TNE1NH	RPIM-3.0TNE1NH	RPIM-4.0TNE1NH	RPIH-5.0TNE1NH	RPIH-6.0TNE1NH	RPIH-6.5TNE1NH
ODU		RAS-1.0TNESNH1	RAS-1.5TNESNH1	RAS-2.0TNESNH1	RAS-3.0TNESNH1	RAS-4.0TNESNH1	RAS-5.0TNESMH1	RAS-6.0TNESMH1	RAS-6.5TNESMH1
Power supply (Outdoor)		220-240/1/50						380-415/3/50	
Max. input		W	1,140	1,800	2,460	4,100	5,100	6,400	7,800
Max. input current		A	7.8	8.1	11.1	18.1	22.5	11.6	13.1
Average	Pdesignc	kW	2.610	3.520	5.280	6.800	10.100	12.026	15.760
	SEER	W/W	6.15	6.45	6.11	6.17	6.23	5.71	6.08
	Energy Efficiency Class		A+	A++	A+	A++	A++	A+	A+
Cooling	Capacity	Btu/h	9,180	12,000	18,225	23,202	34,461	41,033	53,773
	Capacity	kW	2.7	3.5	5.3	6.8	10.1	12.0	15.8
	Input	W	780	999	1,653	2,230	3,311	4,295	6,062
	Current	A	3.6	4.4	7.6	9.7	16.5	7.4	7.5
	EER	W/W	3.45	3.52	3.23	3.05	3.05	2.80	3.02
Indoor fan motor	Qty		1	1	1	1	1	1	1
	Input	W	40	40	40	95	250	250	250
	Capacitor	µF	/	/	2	/	/	/	/
	Speed(Hi/Med/Lo)	r/min	770/640/540	880/740/610	1130/950/850	890/790/690	800/700/600	910/810/710	1100/1000/900
Indoor air flow Rated(Hi/Med/Lo)		m³/h	500/400/320	575/484/400	900/840/730	1100/976/852	1450/1250/1050	1750/1500/1300	2400/2200/1900
Indoor air flow Rated(Hi/Med/Lo)		CFM	294/235/188	338/285/235	529/494/429	647/574/501	853/735/618	1029/882/765	1294/1206/1118
ESP	Rated	Pa	25	25	25	25	37	50	50
	Range	Pa	0-50	0-50	10/30	0-80	0-120	0-120	0-120
Indoor noise level (Sound power)		dB(A)	46	50	57	58	62	67	72
Indoor unit	Dimension (WxHxD)	mm	900×190×447	900×190×447	1170×190×447	900×270×720	1300×350×800	1300×350×800	1300×350×800
	Packing(WxHxD)	mm	1070×236×580	1070×236×580	1340×236×580	1170×340×870	1550×410×940	1550×410×940	1550×410×940
	Net/Gross weight	kg	19/23.5	19/23.5	24/29	32/37	51/60	51/60	51/60
Drainage water pipe diameter		mm	ODΦ32	ODΦ32	ODΦ32	ODΦ32	ODΦ32	ODΦ32	ODΦ32
Controller		Wired controller							
Operation temperature		°C	16~30						
Qty/per 20' /40' /40'HQ (Indoor unit)		Set	200/440/484	200/440/484	160/340/374	84/182/182	35/75/90	35/75/90	35/75/90
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Rated current(RLA)	A	2.95	5.70	8.10	8.90	5.10	5.10	13.20
	Refrigerant oil	mL	α68HES-H/320	ESTER OIL VG74/370	ESTEL OIL VG74/500	POE VG74/470	POE VG74/1000	POE VG74/1000	α 68HES-H or equivalent /1650
Outdoor fan motor	Qty		1	1	1	1	1	1	2
	Input	W	30	30	61	61	121	138	121
	Speed (Hi)	r/min	820	880	840	880	830	850	810
Outdoor noise level (Sound pressure) Hi		dB(A)	52	48	53	53	55	58	53
Outdoor noise level (Sound power)		dB(A)	65	62	65	68	70	74	69
Throttle type			EEV	EEV	EEV	EEV	EEV	EEV	EEV
Outdoor unit	Dimension(WxHxD)	mm	730×536×260	810×585×280	860×670×310	860×670×310	950×840×340	950×1050×340	950×1386×340
	Packing(WxHxD)	mm	860×600×400	940×640×420	990×730×450	990×730×450	1110×910×460	1110×1200×460	1110×1527×460
	Net/Gross weight	kg	31/34	34/38.5	45/49	51/57	70/80	85/95	103/109
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	3.78
Refrigerant piping	Liquid side/Gas side	mm(inch)	Φ6.35/Φ9.52 (1/4/3/8)	Φ6.35/Φ9.52 (1/4/3/8)	Φ6.35/Φ12.7 (1/4/1/2)	Φ9.52/Φ15.88 (3/8/5/8)	Φ9.52/Φ19.05 (3/8/3/4)	Φ9.52/Φ19.05 (3/8/3/4)	Φ9.52/Φ19.05 (3/8/3/4)
	Max. pipe length	m	25	25	30	30	50	50	50
	Max. difference in level	m	10	10	15	15	30	30	30
Annual energy		kWh/a	157	195	316	412	587	694	831
Ambient temperature		°C	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48
Qty/per 20' /40' /40'HQ (Outdoor unit)		Set	102/213/292	102/204/272	90/186/186	90/186/186	52/106/106	26/53/106	26/53/53

Nominal testing conditions:
Cooling - Indoor 80.6°F DB / 66.2°F WB (27°C DB / 19°C WB) & Outdoor 95°F DB / 75.2°F WB (35°C DB / 24°C WB)