

# SPECIFICATIONS

## DUCTED

IDU		RPIL-1.0UNE1NH	RPIL-1.5UNE1NH	RPIL-2.0UNE1NH	RPIM-3.0UNE1NH	RPIH-4.0UNE1NH	RPIH-5.0UNE1NH	RPIH-6.0UNE1NH	RPIH-6.5UNE1NH	
ODU		RAS-1.0UNESNH1	RAS-1.5UNESNH1	RAS-2.0UNESNH1	RAS-3.0UNESNH1	RAS-4.0UNESNH1	RAS-5.0UNESMH1	RAS-6.0UNESMH1	RAS-6.5UNESMH1	
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
Max input consumption	W	1,140	1,800	2,460	4,100	5,100	6,400	7,000	7,800	
Max input current	A	7.8	8.1	11.1	18.1	22.5	11.6	12.0	13.1	
Average	Pdesignc	kW	2.610	3.520	5.280	6.800	10.100	12.026	13.480	
	SEER	W/W	5.89	6.33	5.84	6.17	6.23	5.71	6.08	
	Energy Efficiency Class		A+	A++	A+	A++	A++	A+	A+	
	Pdesignh	kW	2.200	3.520	4.800	5.680	8.650	9.930	12.400	
	SCOP	W/W	3.74	3.81	3.95	3.85	3.80	3.77	3.78	
	Energy Efficiency Class		A	A	A	A	A	A	A	
Cooling	Capacity	Btu/h	8,905	12,010	18,015	23,202	34,461	41,033	45,994	
	Capacity (Range)	kW	2.61(1.42-3.40)	3.52(1.72-3.85)	5.28(1.40-6.00)	6.80(2.70-7.85)	10.10(2.93-12.00)	12.03(3.30-13.20)	13.48(3.20-16.00)	15.76(4.98-18.00)
	Input	W	776.79	1008.60	1,619.63	2,230	3,311	4,295	4,464	
	Current	A	3.6	4.4	7.6	9.7	16.5	7.4	7.5	
	EER	W/W	3.36	3.49	3.26	3.05	3.05	2.80	3.02	
	Capacity	Btu/h	8,858	12,386	20,308	27,100	39,067	47,768	58,000	
Heating	Capacity (Range)	kW	2.60(1.27-3.60)	3.63(1.77-4.22)	5.95(1.70-6.80)	7.94(2.77-8.70)	11.45(3.32-13.00)	14.00(3.00-14.60)	17.00(3.40-18.50)	18.46(5.20-20.50)
	Input	W	683.16	950.26	1,750.59	2,296	3,400	4,100	4,970	
	Current	A	3.0	4.2	7.9	10.5	15.2	7.5	7.7	
	COP	W/W	3.80	3.82	3.40	3.46	3.38	3.41	3.42	
	Qty		1	1	1	1	1	1	1	
	Output	W	40	40	40	95	250	250	250	
Indoor fan motor	Capacitor	μF	/	/	2	/	/	/	/	
	Speed (Hi/Med/Lo)	r/min	770/640/540	880/740/610	1,130/950/850	890/790/690	800/700/600	910/810/710	1,100/1,000/900	
	Indoor air flow Rated (Hi/Med/Lo)	m <sup>3</sup> /h	500/400/320	575/484/400	900/840/730	1,100/976/852	1,450/1,250/1,050	1,750/1,500/1,300	2,400/2,200/1,900	
Indoor noise level	Sound pressure (Hi/Med/Lo)	dB(A)	33/29/26	34/30/27	35/33/31	39/36/34	41/39/35	46/43/40	46/43/40	
	Sound Power	dB(A)	46	50	57	60	62	68	72	
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 unit	Dimension (W×H×D)	mm	900×190×447	900×190×447	1,170×190×447	900×270×720	1,300×350×800	1,300×350×800	1,300×350×800	
	Packing (W×H×D)	mm	1,070×236×580	1,070×236×580	1,340×236×580	1,170×340×870	1,550×410×940	1,550×410×940	1,550×410×940	
	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	Wired controller	Wired controller	Wired controller	Wired controller	Wired controller	Wired controller		
Operation temperature	°C	16-30	16-30	16-30	16-30	16-30	16-30	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		
	Rated current (RLA)	A	2.95	5.70	8.10	8.90	5.10	5.10		
	Refrigerant oil	type/ml	α68HES-H/320	ESTER OIL VG74/370	ESTEL OIL VG74/500	POE VG74/670	PQE VG74/1,000	PQE VG74/1,000		
Outdoor fan motor	Qty	1	1	1	1	1	1	2		
	Output	W	30	30	61	61	121	138		
	Speed (Hi)	r/min	820	880	840	880	830	850		
Outdoor noise level	Sound pressure (Hi)	dB(A)	50	51	54	53	56	58		
	Sound power	dB(A)	65	62	65	69	70	75		
Throttle type		EEV	EEV	EEV	EEV	EEV	EEV	EEV		
Outdoor unit	Dimension (W×H×D)	mm	730×536×260	810×585×280	860×670×310	860×670×310	950×840×340	950×1,050×340		
	Packing (W×H×D)	mm	860×600×400	940×640×420	990×730×450	990×730×450	1,110×910×460	1,110×1,200×460		
	Net/Gross weight	kg	31/34	34/38.5	45/49	51/57	70/80	85/95		
Refrigerant	Type/Charge	kg	R410A/0.83	R410A/1.05	R410A/1.30	R410A/1.70	R410A/2.80	R410A/3.20		
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')		
	Max pipe length	m	25	25	30	50	50	50		
	Max difference in level	m	10	15	15	30	30	30		
Annual energy consumption	Cooling	kWh/a	157	195	316	386	567	761		
	Heating	kWh/a	824	1,295	1,660	2,065	3,174	3,674		
Ambient temperature	Cooling	°C	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48		
	Heating	°C	-15~+24	-15~+24	-15~+24	-15~+24	-15~+24	-15~+24		
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)  
 Heating - Indoor 68°F DB / 59°F WB (20°C DB / 15°C WB) & Outdoor 44.6°F DB / 42.8°F WB (7°C DB / 6°C WB)