

## Indoor Unit

		RCI-3.0UNE1NH	RCI-4.0UNE1NH	RCI-5.0UNE1NH	RCI-6.0UNE1NH	RCI-6.5UNE1NH	
<b>Power supply</b>	V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50	
<b>Max. input consumption</b>	W	4,100	5,150	6,400	6,300	7,800	
<b>Max. input current</b>	A	18.1	22.5	11.6	11.0	13.1	
<b>Average</b>	Pdesignc	kW	7.070	10.300	12.068	13.400	14.500
	SEER	W/W	6.46	6.13	5.72	6.01	5.87
	Energy Efficiency Class		A++	A++	A+	A+	A+
	Pdesignh	kW	5.680	9.600	10.000	13.500	11.000
	SCOP	W/W	4.08	3.90	3.80	3.87	3.80
	Energy Efficiency Class		A+	A	A	A	A
<b>Cooling</b>	Capacity	Btu/h	24,123	35,144	41,176	54,721	49,474
	Capacity	kW	7.1	10.3	12.1	13.4	14.5
	Input	W	2,209	3,433	4,190	4,621	5,492
	Current	A	9.7	16.5	7.2	7.4	9.7
	EER	W/W	3.20	3.00	2.88	2.90	2.64
<b>Heating</b>	Capacity	Btu/h	28,000	39,238	47,768	56,100	60,000
	Capacity	kW	8.2	11.5	14.0	16.4	17.6
	Input	W	2,372	3,605	3,900	4,850	5,709
	Current	A	10.5	16.0	7.3	7.4	9.1
	COP	W/W	3.46	3.19	3.59	3.39	3.08
<b>Indoor fan motor</b>	Qty		1	1	1	1	
	Input	W	35	80	124	124	124
	Speed (Hi/Med/Lo)	r/min	450/390/270	600/480/390	630/600/570	700/540/460	700/540/460
<b>Indoor air flow Rated (Hi/Med/Lo)</b>	m <sup>3</sup> /h	1100/976/852	1600/1300/1000	1850/1700/1550	2000/1900/1700	2000/1900/1700	
<b>Indoor air flow Rated (Hi/Med/Lo)</b>	CFM	647/574/501	941/765/588	1088/1000/912	1180/1120/1000	1180/1120/1000	
<b>Indoor noise level (Hi/Med/Lo)</b>	dB(A)	41/38/36	45/40/37	46/43/41	50/48/46	47/45/43	
<b>Indoor noise level (Sound Power)</b>	dB(A)	57	61	62	64	62	
<b>Indoor unit</b>	Dimension (WxHxD)	mm	840×248×840	840×248×840	840×298×840	840×298×840	840×298×840
	Packing (WxHxD)	mm	996×370×956	996×370×956	996×420×956	996×420×956	996×420×956
	Net/Gross weight	kg	25/34	27/36	32/41	32/41	32/41
<b>Drainage water pipe diameter (ID)</b>	mm	IDØ32	IDØ32	IDØ32	IDØ32	IDØ32	
<b>Controller</b>				Remote controller			
<b>Operation temperature</b>	°C			16 - 30			
<b>Qty' per 20' /40' /40'HQ (Indoor unit)</b>	Set	72/144/168	60/120/144	60/120/144	60/120/144	60/120/144	

## Outdoor Unit

		RAS-3.0UNESNH1	RAS-4.0UNESNH1	RAS-5.0UNESMH1	RAS-6.0UNESMH1	RAS-6.5UNESMH1	
<b>Power supply</b>	V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50	
<b>Compressor</b>	Type		ROTARY	ROTARY	ROTARY	ROTARY	
	Rated current (RLA)	A	8.9	5.1	5.1	13.2	12.0
	Refrigerant oil	ml	POE VG74/670	PQE VG74/1000	PQE VG74/1000	68HES-H or equivalent /1650	FV50S or PVE/1400
<b>Outdoor fan motor</b>	Qty		1	1	2	2	
	Input	W	61	121	138	121	121
	Speed	r/min	880	830	850	810	810
<b>Outdoor noise level (Sound Pressure)</b>	dB(A)	53	55	58	53	58	
<b>Outdoor noise level (Sound Power)</b>	dB(A)	68	70	74	69	73	
<b>Throttle type</b>		EEV	EEV	EEV	EEV	EEV	
<b>Outdoor unit</b>	Dimension (WxHxD)	mm	860×670×310	950×840×340	950×1050×340	950×1386×340	950×1386×340
	Packing (WxHxD)	mm	990×730×450	1110×910×460	1110×1200×460	1110×1527×460	1110×1527×460
	Net/Gross weight	kg	51/57	70/80	85/95	113/125	117/129
<b>Refrigerant</b>	Type		R410A	R410A	R410A	R410A	
	Charged volume	kg	1.70	2.80	3.20	3.78	3.95
<b>Refrigerant piping</b>	Liquid side/ Gas side	mm (inch)	Ø9.52/Ø15.88(3/8"/5/8")	Ø9.52/Ø19.05(3/8"/3/4")	Ø9.52/Ø19.05(3/8"/3/4")	Ø9.52/Ø19.05(3/8"/3/4")	Ø9.52/Ø19.05(3/8"/3/4")
	Max. pipe length	m	30	50	50	50	50
	Max. difference in level	m	15	30	30	30	30
<b>Annual energy consumption (cooling)</b>	kWh/a	383	588	757	806	883	
<b>Annual energy consumption (heating)</b>	kWh/a	1,927	3,450	3,675	4,877	4,037	
<b>Ambient temperature</b>	Cooling	°C	-15~48	-15~48	-15~48	-15~48	-15~48
	Heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24
<b>Qty' per 20' /40' /40'HQ (Outdoor unit)</b>	Set	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) &amp; 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) &amp; Outdoor 44.6°F DB / 42.8°F WB (7°C DB / 6°C WB)

## Indoor Unit

		RPIM-3.0UNE1NH	RPIH-4.0UNE1NH	RPIH-5.0UNE1NH	RPIH-6.0UNE1NH	RPIH-6.5UNE1NH	
<b>Power supply</b>	V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50	
<b>Max. input consumption</b>	W	4,100	5,100	6,400	7,000	7,800	
<b>Max. input current</b>	A	18.1	22.5	11.6	12.0	13.1	
<b>Average</b>	Pdesignc	kW	6.800	10.100	12.026	13.480	15.760
	SEER	W/W	6.17	6.23	5.71	6.08	5.99
	Energy Efficiency Class		A++	A++	A+	A+	A+
	Pdesignh	kW	5.680	8.650	9.930	12.400	11.120
	SCOP	W/W	3.85	3.80	3.77	3.78	3.68
	Energy Efficiency Class		A	A	A	A	A
<b>Cooling</b>	Capacity	Btu/h	23,202	34,461	41,033	45,994	53,773
	Capacity	kW	6.8	10.1	12.0	13.5	15.8
	Input	W	2,230	3,311	4,295	4,464	6,062
	Current	A	9.7	16.5	7.4	7.5	10.0
	EER	W/W	3.05	3.05	2.80	3.02	2.60
	<b>Heating</b>	Capacity	Btu/h	27,100	39,067	47,768	58,000
Capacity		kW	9.7	11.5	14.0	17.0	18.5
Input		W	2,370	3,400	4,100	4,900	5,600
Current		A	10.5	15.2	7.5	7.7	9.0
COP		W/W	3.46	3.38	3.41	3.42	3.23
<b>Indoor fan motor</b>		Qty		1	1	1	1
	Input	W	95	250	250	250	250
	Speed (Hi/Med/Lo)	r/min	890/790/690	800/700/600	910/810/710	1100/1000/900	1100/1000/900
<b>Indoor air flow Rated (Hi/Med/Lo)</b>	m <sup>3</sup> /h	1100/976/852	1450/1250/1050	1750/1500/1300	2400/2200/1900	2400/2200/1900	
<b>Indoor noise level (Hi/Med/Lo)</b>	dB(A)	44/41/38	46/42/49	51/47/44	55/52/50	56/53/50	
<b>Indoor noise level (Sound Power)</b>	dB(A)	58	62	67	70	72	
<b>ESP</b>	Rated	Pa	25	37	50	50	
	Range	Pa	0~80	0~120	0~120	0~120	0~120
<b>Indoor unit</b>	Dimension (WxHxD)	mm	900×270×720	1300×350×800	1300×350×800	1300×350×800	1300×350×800
	Packing (WxHxD)	mm	1170×340×870	1550×410×940	1550×410×940	1550×410×940	1550×410×940
	Net/Gross weight	kg	32/37	51/60	51/60	51/60	51/60
<b>Drainage water pipe diameter (ID)</b>	mm	IDØ32	IDØ32	IDØ32	IDØ32	IDØ32	
<b>Controller</b>		Wired controller					
<b>Operation temperature</b>	°C	16 - 30					
<b>Qty' per 20' /40' /40'HQ (Indoor unit)</b>	Set	84/182/182	35/75/90	35/75/90	35/75/90	35/75/90	

## Outdoor Unit

		RAS-3.0UNESNH1	RAS-4.0UNESNH1	RAS-5.0UNESMH1	RAS-6.0UNESMH1	RAS-6.5UNESMH1	
<b>Power supply</b>	V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50	
<b>Compressor</b>	Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
	Rated current (RLA)	A	8.9	5.1	5.1	13.2	12.0
	Refrigerant oil	ml	POE VG74/670	PQE VG74/1000	PQE VG74/1000	68HES-H or equivalent /1650	FV50S or PVE/1400
<b>Outdoor fan motor</b>	Qty		1	1	2	2	
	Input	W	61	121	138	121	121
	Speed	r/min	880	830	850	810	810
<b>Outdoor noise level (Sound Pressure)</b>	dB(A)	53	55	58	53	58	
<b>Outdoor noise level (Sound Power)</b>	dB(A)	68	70	74	69	73	
<b>Throttle type</b>		EEV	EEV	EEV	EEV	EEV	
<b>Outdoor unit</b>	Dimension (WxHxD)	mm	860×670×310	950×840×340	950×1050×340	950×1386×340	950×1386×340
	Packing (WxHxD)	mm	990×730×450	1110×910×460	1110×1200×460	1110×1527×460	1110×1527×460
	Net/Gross weight	kg	51/57	70/80	85/95	113/125	117/129
<b>Refrigerant</b>	Type		R410A	R410A	R410A	R410A	
	Charged volume	kg	1.70	2.80	3.20	3.78	3.95
<b>Refrigerant piping</b>	Liquid side/ Gas side	mm (inch)	Ø9.52/Ø15.88(3/8"/5/8")	Ø9.52/Ø19.05(3/8"/3/4")	Ø9.52/Ø19.05(3/8"/3/4")	Ø9.52/Ø19.05(3/8"/3/4")	Ø9.52/Ø19.05(3/8"/3/4")
	Max. pipe length	m	30	50	50	50	50
	Max. difference in level	m	15	30	30	30	30
<b>Annual energy consumption (cooling)</b>	kWh/a	386	567	761	800	943	
<b>Annual energy consumption (heating)</b>	kWh/a	2,065	3,174	3,674	4,586	4,205	
<b>Ambient temperature</b>	Cooling	°C	-15~48	-15~48	-15~48	-15~48	-15~48
	Heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24
<b>Qty' per 20' /40' /40'HQ (Outdoor unit)</b>	Set	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)

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)

## Indoor Unit

		RPFC-3.0UNE1NH	RPFC-4.0UNE1NH	RPFC-5.0UNE1NH	RPFC-6.0UNE1NH	RPFC-6.5UNE1NH	
<b>Power supply</b>	V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50	
<b>Max. input consumption</b>	W	4,100	5,100	6,400	6,300	8,200	
<b>Max. input current</b>	A	18.1	22.5	11.6	11.0	13.5	
<b>Average</b>	Pdesignc	kW	6.750	10.230	12.050	12.868	14.420
	SEER	W/W	5.79	6.07	5.41	5.99	5.90
	Energy Efficiency Class		A+	A+	A	A+	A+
	Pdesignh	kW	5.630	8.465	10.500	12.000	12.300
	SCOP	W/W	3.92	3.97	3.79	3.80	3.80
	Energy Efficiency Class		A	A	A	A	A
<b>Cooling</b>	Capacity	Btu/h	23,031	34,905	41,115	43,906	49,201
	Capacity	kW	6.8	10.2	12.1	12.9	14.4
	Input	W	2,163	3,680	4,866	4,247	5,381
	Current	A	9.7	17.6	8.3	8.2	10.1
	EER	W/W	3.12	2.78	2.48	3.03	2.68
<b>Heating</b>	Capacity	Btu/h	28,000	38,385	47,768	55,000	60,000
	Capacity	kW	8.2	11.3	14.0	16.1	17.6
	Input	W	2,393	3,750	4,502	5,150	6,395
	Current	A	10.5	16.3	8.2	8.2	9.3
	COP	W/W	3.43	3.00	3.11	3.13	2.75
<b>Indoor fan motor</b>	Qty		1	1	1	1	
	Input	W	100	140	181	181	181
	Speed (Hi/Med/Lo)	r/min	1280/1100/920	1220/1160/1080	1200/1100/1000	1250/1000/800	1250/1100/950
<b>Indoor air flow Rated (Hi/Med/Lo)</b>	m <sup>3</sup> /h	1100/950/800	1700/1500/1300	2000/1800/1600	2000/1600/1200	2000/1700/1500	
<b>Indoor air flow Rated (Hi/Med/Lo)</b>	CFM	650/570/500	1000/882/765	1176/1059/941	1180/940/710	1180/1000/880	
<b>Indoor noise level (Hi/Med/Lo)</b>	dB(A)	48/46/42	50/49/48	50/48/45	51/45/41	51/46/43	
<b>Indoor noise level (Sound Power)</b>	dB(A)	63	64	66	67	66	
<b>Indoor unit</b>	Dimension (WxHxD)	mm	990×230×680	1285×230×680	1580×230×680	1580×230×680	1580×230×680
	Packing (WxHxD)	mm	1100×350×820	1400×350×820	1690×350×820	1690×350×820	1690×350×820
	Net/Gross weight	kg	30/35	37/44	48/56	48/56	50/58
<b>Drainage water pipe diameter (ID)</b>	mm	IDØ25	IDØ25	IDØ25	IDØ25	IDØ25	
<b>Controller</b>				Remote controller			
<b>Operation temperature</b>	°C			16 - 30			
<b>Qty' per 20' /40' /40'HQ (Indoor unit)</b>	Set	84/168/196	42/84/98	42/84/98	42/84/98	42/84/98	

## Outdoor Unit

		RAS-3.0UNESNH1	RAS-4.0UNESNH1	RAS-5.0UNESMH1	RAS-6.0UNESMH1	RAS-6.5UNESMH1	
<b>Power supply</b>	V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50	
<b>Compressor</b>	Type		ROTARY	ROTARY	ROTARY	ROTARY	
	Rated current (RLA)	A	8.9	5.1	5.1	13.2	12.0
	Refrigerant oil	ml	POE VG74/670	PQE VG74/1000	PQE VG74/1000	68HES-H or equivalent /1650	FV50S or PVE/1400
<b>Outdoor fan motor</b>	Qty		1	1	2	2	
	Input	W	61	121	138	121	121
	Speed	r/min	880	830	850	810	810
<b>Outdoor noise level (Sound Pressure)</b>	dB(A)	53	54	58	53	58	
<b>Outdoor noise level (Sound Power)</b>	dB(A)	68	70	74	69	73	
<b>Throttle type</b>		EEV	EEV	EEV	EEV	EEV	
<b>Outdoor unit</b>	Dimension (WxHxD)	mm	860×670×310	950×840×340	950×1050×340	950×1386×340	950×1386×340
	Packing (WxHxD)	mm	990×730×450	1110×910×460	1110×1200×460	1110×1527×460	1110×1527×460
	Net/Gross weight	kg	51/57	70/80	85/95	113/125	117/129
<b>Refrigerant</b>	Type		R410A	R410A	R410A	R410A	
	Charged volume	kg	1.70	2.80	3.20	3.78	3.95
<b>Refrigerant piping</b>	Liquid side/ Gas side	mm (inch)	Ø9.52/Ø15.88(3/8"/5/8")	Ø9.52/Ø19.05(3/8"/3/4")	Ø9.52/Ø19.05(3/8"/3/4")	Ø9.52/Ø19.05(3/8"/3/4")	Ø9.52/Ø19.05(3/8"/3/4")
	Max. pipe length	m	30	50	50	50	50
	Max. difference in level	m	15	30	30	30	30
<b>Annual energy consumption (cooling)</b>	kWh/a	426	589	803	772	876	
<b>Annual energy consumption (heating)</b>	kWh/a	2,001	2,984	3,868	4,399	4,509	
<b>Ambient temperature</b>	Cooling	°C	-15~48	-15~48	-15~48	-15~48	-15~48
	Heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24
<b>Qty' per 20' /40' /40'HQ (Outdoor unit)</b>	Set	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) &amp; 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) &amp; Outdoor 44.6°F DB / 42.8°F WB (7°C DB / 6°C WB)

# SPECIFICATIONS

## CASSETTE

IDU		RCI-3.0UFE1NH	RCI-3.5UFE1NH	RCI-4.0UFE1NH	RCI-5.0UFE1NH	RCI-6.0UFE1NH	RCI-6.5UFE1NH	
ODU		RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESMH1	RAS-6.0UFESMH1	RAS-6.5UFESMH1	
Power supply (Indoor)	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	
Power supply (Outdoor)	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	
Max.input consumption	W	4,100	4,100	5,100	6,400	7,200	7,800	
Max.input current	A	18.1	18.0	22.5	11.6	12.6	13.1	
Average (Cooling)	Pdesignc	kW	7.00	8.70	10.10	12.10	13.89	
	SEER	W/W	6.73	6.10	6.10	6.05	5.64	
	ηs,c	100%	-	-	-	239%	223%	
	Energy Efficiency Class		A++	A++	A++	-	-	
	Annual energy consumption	kWh/a	388	511	580	757	894	
Average (Heating)	Pdesignh	kW	6.00	7.20	8.20	9.50	13.50	
	SCOP	W/W	4.33	4.20	3.92	3.98	3.81	
	ηs,c	100%	-	-	-	156%	149%	
	Energy Efficiency Class		A+	A+	A	-	-	
	Annual energy consumption	kWh/a	1,907	2,423	3,018	3,675	5,086	
Cooling	Capacity (Rated)	kW	7.00	8.70	10.10	12.10	13.89	
	Capacity (Range.Min-Max)	kW	2.40-7.85	4.00-9.50	3.50-11.00	3.30-13.20	3.40-16.20	
	Input	kW	1.91	2.71	3.72	4.24	4.81	
	Current	A	8.5	11.8	16.8	7.4	8.7	
	EER	W/W	3.66	3.21	2.72	2.85	2.89	
Heating	Capacity (Rated)	kW	8.25	9.00	11.20	13.50	16.53	
	Capacity (Range.Min-Max)	kW	2.10-8.80	3.50-9.50	3.32-12.00	3.00-14.60	3.70-18.00	
	Input	kW	2.03	2.25	3.50	3.70	4.71	
	Current	A	9.00	9.80	16.00	6.50	8.40	
	COP	W/W	4.06	4.00	3.20	3.65	3.51	
Indoor unit	Dimension (W×H×D)	mm	840×248×840	840×248×840	840×248×840	840×298×840	840×298×840	
	Weight (Net/Gross)	kg	25/34	27/36	27/36	32/41	32/41	
	Air Volume (Hi/Med/Lo)	m <sup>3</sup> /h	1,180/980/720	1,400/1,120/900	1,600/1,300/1,000	1,850/1,700/1,550	2,100/1,700/1,400	
	Sound Level (SPL)(Hi/Med/Lo)	dB(A)	45/42/37	48/46/42	50/45/42	51/49/47	51/45/42	
	Sound Level (PWL)(Hi)	dB(A)	59	62	65	64	65	
	Controller (Type/Model)		Wireless/H CRA31NEWH	Wireless/H CRA31NEWH	Wireless/H CRA31NEWH	Wireless/H CRA31NEWH	Wireless/H CRA31NEWH	
	Drain pump		Included	Included	Included	Included	Included	
	Air filter		Included	Included	Included	Included	Included	
	Panel	Dimension (W×H×D)	mm	950×37×950	950×37×950	950×37×950	950×37×950	950×37×950
		Weight (Net/Gross)	kg	6.0/10.0	6.0/10.0	6.0/10.0	6.0/10.0	6.0/10.0
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
Outdoor unit	Dimension (W×H×D)	mm	860×670×310	860×670×310	950×840×340	950×1,050×340	950×1,386×340	
	Weight (Net/Gross)	kg	49/53	49/53	70/75	85/95	101.5/114.5	
	Air Volume (Hi)	m <sup>3</sup> /h	3,150	3,150	3,800	5,800	6,300	
	Sound Level (SPL)(Hi)	dB(A)	54	54	58	62	67	
	Sound Level (PWL)(Hi)	dB(A)	69	70	70	76	80	
	Refrigerant (Type/Amount)	kg	R32/1.40	R32/1.45	R32/2.00	R32/2.50	R32/3.00	
Refrigerant piping	Liquid/Gas	mm(inch)	Φ9.52/Φ15.88 (3/8"/5/8")	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	30	50	50	50	50	
	Max.height difference (OD lower)	m	15	30	30	30	30	
	Max.height difference (OD higher)	m	15	30	30	30	30	
	Add Refrigerant Amount	g/m	28	28	28	28	28	
	Pipe Length for Additional Refrigerant	m	5	5	5	5	5	
	Ambient temperature	Cooling	°C	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48
Heating		°C	-15~+24	-15~+24	-15~+24	-15~+24	-15~+24	

Nominal testing conditions:  
Cooling - Indoor (27°C DB / 19°C WB) & Outdoor (35°C DB / 24°C WB)  
Heating - Indoor (20°C DB / 15°C WB) & Outdoor (7°C DB / 6°C WB)

# SPECIFICATIONS

## DUCTED

IDU		RPIL-3.0UFE1NH	RPIH-3.5UFE1NH	RPIH-4.0UFE1NH	RPIH-5.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.5UFE1NH		
ODU		RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESMH1	RAS-6.0UFESMH1	RAS-6.5UFESMH1		
Power supply (Indoor)	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		
Power supply (Outdoor)	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50		
Max.input consumption	W	4,100	4,100	5,100	6,400	7,200	7,800		
Max.input current	A	18.1	18.0	22.5	11.6	12.6	13.1		
Average (Cooling)	Pdesignc	kW	6.90	8.50	10.10	12.10	14.19	17.10	
	SEER	W/W	6.29	6.20	6.10	6.28	5.94	5.81	
	ηs,c	100%	-	-	-	248%	235%	229%	
	Energy Efficiency Class		A++	A++	A++	-	-	-	
	Annual energy consumption	kWh/a	395	499	577	761	849	943	
Average (Heating)	Pdesignh	kW	6.00	6.50	8.20	9.50	12.40	11.00	
	SCOP	W/W	4.05	4.00	3.92	3.70	3.70	3.72	
	ηs,c	100%	-	-	-	145%	145%	146%	
	Energy Efficiency Class		A+	A+	A	-	-	-	
	Annual energy consumption	kWh/a	2,007	2,313	2,926	3,674	4,694	4,205	
Cooling	Capacity (Rated)	kW	6.90	8.50	10.10	12.10	14.19	17.10	
	Capacity (Range.Min-Max)	kW	2.45-7.85	4.00-9.50	3.50-11.00	3.30-13.20	3.20-16.00	3.30-18.50	
	Input	kW	2.16	2.67	3.80	4.22	4.78	6.60	
	Current	A	9.5	11.6	17.1	7.4	8.7	6.6	
	EER	W/W	3.19	3.18	2.66	2.87	2.97	2.59	
Heating	Capacity (Rated)	kW	8.30	9.00	10.50	13.40	16.13	18.00	
	Capacity (Range.Min-Max)	kW	2.20-8.70	3.50-9.40	3.32-12.00	3.00-14.60	3.40-18.50	3.00-19.50	
	Input	kW	2.22	2.40	3.50	4.07	4.65	6.10	
	Current	A	10.3	10.5	16.0	7.3	8.4	11.6	
	COP	W/W	3.74	3.75	3.00	3.29	3.47	2.95	
Indoor unit	Dimension (W×H×D)	mm	1,180×190×445	1,140×268×720	1,140×268×720	1,300×350×800	1,300×350×800	1,300×350×800	
	Weight (Net/Gross)	kg	24/27.5	37.5/44.5	37.5/44.5	51/60	51/60	51/60	
	Air Volume (Hi/Med/Lo)	m <sup>3</sup> /h	1,000/700/490	1,450/1,120/900	1,800/1,600/1,400	1,750/1,500/1,300	2,400/2,200/1,900	2,400/2,200/1,900	
	Sound Level (SPL)(Hi/Med/Lo)	dB(A)	38/34/31	41/38/33	42/40/38	43/40/37	47/45/42	48/45/43	
	Sound Level (PWL)(Hi)	dB(A)	61	63	65	69	77	77	
	External Static Pressure (Rated)	Pa	25	37	37	50	50	50	
	External Static Pressure (Range)	Pa	0-40	0-120	0-120	0-120	0-120	0-120	
	Controller (Type/Model)		Wired/HCWA21NEWH	Wired/HCWA21NEWH	Wired/HCWA21NEWH	Wired/HCWA21NEWH	Wired/HCWA21NEWH	Wired/HCWA21NEWH	
	Drain pump		Included	Included	Included	Included	Included	Included	
	Air filter		Included	Included	Included	Included	Included	Included	
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY		
	Dimension (W×H×D)	mm	860×670×310	860×670×310	950×840×340	950×840×340	950×1,386×340	950×1,386×340	
Outdoor unit	Weight (Net/Gross)	kg	49/53	49/53	70/75	85/95	101.5/114.5	109/121	
	Air Volume (Hi)	m <sup>3</sup> /h	3,150	3,150	3,800	5,800	6,300	6,300	
	Sound Level (SPL)(Hi)	dB(A)	54	54	58	62	62	67	
	Sound Level (PWL)(Hi)	dB(A)	69	70	70	76	76	80	
	Refrigerant (Type/Amount)	kg	R32/1.40	R32/1.45	R32/2.00	R32/2.50	R32/3.00	R32/3.40	
	Refrigerant piping	Liquid/Gas	mm(inch)	Φ9.52/Φ15.88 (3/8"/5/8")	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	30	50	50	50	50	50
Max.height difference (OD lower)		m	15	30	30	30	30	30	
Max.height difference (OD higher)		m	15	30	30	30	30	30	
Add Refrigerant Amount		g/m	28	28	28	28	28	28	
Pipe Length for Additional Refrigerant		m	5	5	5	5	5	5	
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	

Nominal testing conditions:  
Cooling - Indoor (27°C DB / 19°C WB) & Outdoor (35°C DB / 24°C WB)  
Heating - Indoor (20°C DB / 15°C WB) & Outdoor (7°C DB / 6°C WB)

# SPECIFICATIONS

## FLOOR CEILING CONVERTIBLE

IDU		RPFC-3.0UFE1NH	RPFC-3.5UFE1NH	RPFC-4.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.5UFE1NH
ODU		RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESMH1	RAS-6.0UFESMH1	RAS-6.5UFESMH1
Power supply (Indoor)	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
Power supply (Outdoor)	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Max.input consumption	W	4,100	4,100	5,100	6,400	7,200	7,800
Max.input current	A	18.1	18.0	22.5	11.6	12.6	13.1
Average (Cooling)	Pdesignc	kW	6.50	8.60	9.80	12.10	13.60
	SEER	W/W	5.81	6.10	5.87	5.70	5.33
	ηs,c	100%	-	-	-	225%	210%
	Energy Efficiency Class	A+	A+	A+	-	-	-
	Annual energy consumption	kWh/a	391	509	585	803	940
Average (Heating)	Pdesignh	kW	6.00	6.50	7.90	9.50	12.20
	SCOP	W/W	4.01	4.10	3.82	3.78	3.55
	ηs,c	100%	-	-	-	148%	139%
	Energy Efficiency Class	A+	A+	A	-	-	-
	Annual energy consumption	kWh/a	2,168	2,192	2,825	3,868	5,015
Cooling	Capacity (Rated)	kW	6.50	8.60	9.80	12.10	13.76
	Capacity (Range.Min-Max)	kW	2.45-7.85	3.50-9.00	3.50-11.00	3.30-13.20	3.10-16.10
	Input	kW	1.94	2.95	3.75	4.40	5.00
	Current	A	9.1	12.7	16.9	7.5	8.5
	EER	W/W	3.35	2.92	2.61	2.75	2.75
Heating	Capacity (Rated)	kW	7.35	8.70	10.50	13.50	16.59
	Capacity (Range.Min-Max)	kW	2.20-8.70	3.00-9.20	3.32-12.00	3.00-14.60	3.60-18.00
	Input	kW	2.07	2.30	3.65	4.17	4.85
	Current	A	9.70	10.00	16.50	7.30	9.00
	COP	W/W	3.55	3.78	2.88	3.24	3.42
Indoor unit	Dimension (W×H×D)	mm	990×230×680	1,285×230×680	1,285×230×680	1,580×230×680	1,580×230×680
	Weight (Net/Gross)	kg	30/35	37/44	37/44	48/56	48/56
	Air Volume (Hi/Med/Lo)	m <sup>3</sup> /h	1,100/950/800	1,450/1,120/900	1,700/1,500/1,300	2,000/1,800/1,600	2,000/1,600/1,200
	Sound Level (SPL)(Hi/Med/Lo)	dB(A)	51/48/44	54/48/43	54/52/51	54/51/48	58/52/46
	Sound Level (PWL)(Hi)	dB(A)	65	65	65	68	75
	Controller (Type/Model)		Wireless/H CRA31NEWH	Wireless/H CRA31NEWH	Wireless/H CRA31NEWH	Wireless/H CRA31NEWH	Wireless/H CRA31NEWH
	Drain pump		Optional (for ceiling installation)	Optional (for ceiling installation)	Optional (for ceiling installation)	Optional (for ceiling installation)	Optional (for ceiling installation)
Air filter		Included	Included	Included	Included	Included	
Compressor	Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
Outdoor unit	Dimension (W×H×D)	mm	860×670×310	860×670×310	950×840×340	950×1,050×340	950×1,386×340
	Weight (Net/Gross)	kg	49/53	49/53	70/75	85/95	101.5/114.5
	Air Volume (Hi)	m <sup>3</sup> /h	3,150	3,150	3,800	5,800	6,300
	Sound Level (SPL)(Hi)	dB(A)	54	54	58	62	62
	Sound Level (PWL)(Hi)	dB(A)	69	70	70	76	76
	Refrigerant (Type/Amount)	kg	R32/1.40	R32/1.45	R32/2.00	R32/2.50	R32/3.00
Refrigerant piping	Liquid/Gas	mm(inch)	Φ9.52/Φ15.88 (3/8"/5/8")	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	30	30	50	50	50
	Max.height difference (OD lower)	m	15	30	30	30	30
	Max.height difference (OD higher)	m	15	30	30	30	30
	Add Refrigerant Amount	g/m	28	28	28	28	28
	Pipe Length for Additional Refrigerant	m	5	5	5	5	5
	Ambient temperature	Cooling	°C	-15~+48	-15~+48	-15~+48	-15~+48
Heating		°C	-15~+24	-15~+24	-15~+24	-15~+24	-15~+24

Nominal testing conditions:  
Cooling - Indoor (27°C DB / 19°C WB) & Outdoor (35°C DB / 24°C WB)  
Heating - Indoor (20°C DB / 15°C WB) & Outdoor (7°C DB / 6°C WB)