

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	876
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	4,509
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	3.30-18.00
	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 ³ /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 ³ /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	-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)

Indoor Unit

		RPFC-3.0UNE1NH	RPFC-4.0UNE1NH	RPFC-5.0UNE1NH	RPFC-6.0UNE1NH	RPFC-6.5UNE1NH	
Power supply	V/Ph/Hz	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	5,100	6,400	6,300	8,200	
Max. input current	A	18.1	22.5	11.6	11.0	13.5	
Average	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
Cooling	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
Heating	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
Indoor fan motor	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
Indoor air flow Rated (Hi/Med/Lo)	m ³ /h	1100/950/800	1700/1500/1300	2000/1800/1600	2000/1600/1200	2000/1700/1500	
Indoor air flow Rated (Hi/Med/Lo)	CFM	650/570/500	1000/882/765	1176/1059/941	1180/940/710	1180/1000/880	
Indoor noise level (Hi/Med/Lo)	dB(A)	48/46/42	50/49/48	50/48/45	51/45/41	51/46/43	
Indoor noise level (Sound Power)	dB(A)	63	64	66	67	66	
Indoor unit	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
Drainage water pipe diameter (ID)	mm	IDØ25	IDØ25	IDØ25	IDØ25	IDØ25	
Controller				Remote controller			
Operation temperature	°C			16 - 30			
Qty' per 20' /40' /40'HQ (Indoor unit)	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	
Power supply	V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50	
Compressor	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
Outdoor fan motor	Qty		1	1	2	2	
	Input	W	61	121	138	121	121
	Speed	r/min	880	830	850	810	810
Outdoor noise level (Sound Pressure)	dB(A)	53	54	58	53	58	
Outdoor noise level (Sound Power)	dB(A)	68	70	74	69	73	
Throttle type		EEV	EEV	EEV	EEV	EEV	
Outdoor unit	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
Refrigerant	Type		R410A	R410A	R410A	R410A	
	Charged volume	kg	1.70	2.80	3.20	3.78	3.95
Refrigerant piping	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
Annual energy consumption (cooling)	kWh/a	426	589	803	772	876	
Annual energy consumption (heating)	kWh/a	2,001	2,984	3,868	4,399	4,509	
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
Qty' per 20' /40' /40'HQ (Outdoor unit)	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)