

IDEAL SOLUTION
TO LIVE COMFORTABLY



IZER[®]



CONTENTS

PRODUCTS AVAILABLE

Product line	Type	Product	7k 1N	9k 1N	12k 1N	14k 1N	18k 1N	21k 1N	24k 1N	27k 1N
ERP R32 units Full DC inverter heat pump	Wall mounted unit		●	●	●		●	●		
	Compact cassette		●	●	●		●			
	Round flow cassette						●		●	
	Console			●	●		●			
	Floor-ceiling						●		●	
	Low ESP ducted		●	●	●		●		●	
	Medium ESP ducted									
	Constant air flow ducted								●	
	Mono outdoor unit						●		●	
	Multi split outdoor unit					●	●	●		●
R32 units DC inverter heat pump	Round flow cassette									
	Floor-ceiling									
	Medium ESP ducted									
	High ESP ducted									
	Outdoor unit									
R410A units DC inverter heat pump	Round flow cassette						●		●	
	Floor-ceiling						●		●	
	Low ESP ducted						●		●	
	Medium ESP ducted									
	High ESP ducted									
	Outdoor unit						●		●	

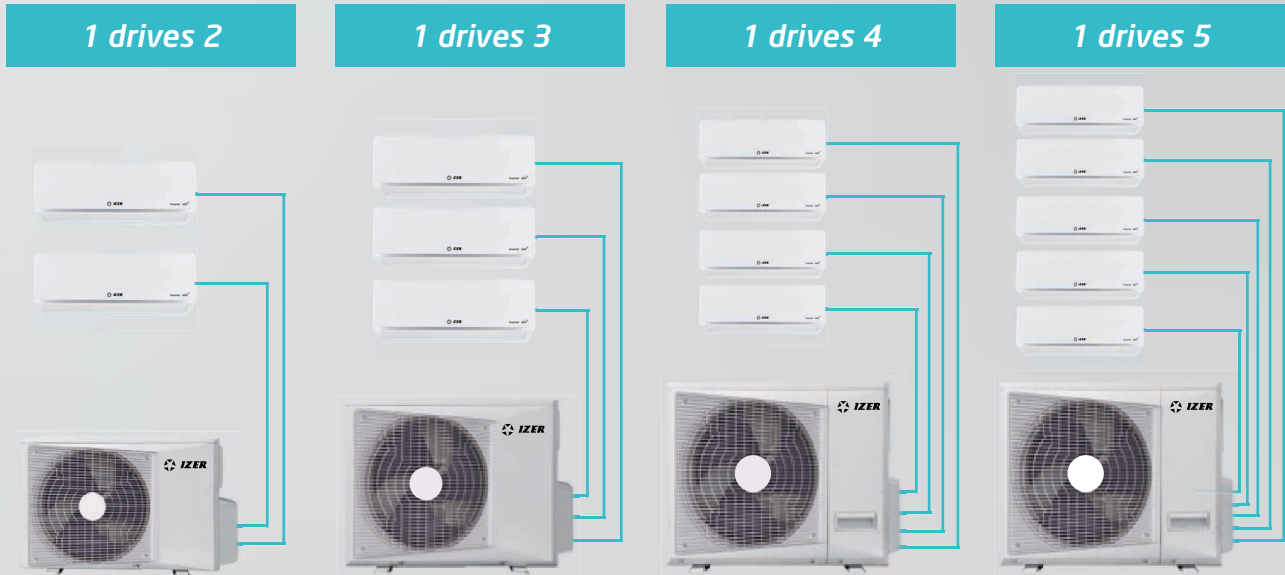
Product line	Type	Product	28k 1N	36k 1N	36k 3N	42k 1N	48k 1N	48k 3N	55k 3N	60k 3N
ERP R32 units Full DC inverter heat pump	Wall mounted unit									
	Compact cassette									
	Round flow cassette			●	●		●	●	●	
	Console									
	Floor-ceiling			●	●		●	●	●	
	Low ESP ducted									
	Medium ESP ducted			●	●		●	●	●	
	Constant air flow ducted			●	●		●	●	●	
	Mono outdoor unit			●	●		●	●	●	
	Multi split outdoor unit		●	●		●				
R32 units DC inverter heat pump	Round flow cassette							●	●	
	Floor-ceiling							●	●	
	Medium ESP ducted							●	●	
	High ESP ducted							●	●	
	Outdoor unit							●	●	
R410A units DC inverter heat pump	Round flow cassette			●	●		●	●		●
	Floor-ceiling			●	●		●	●		●
	Low ESP ducted									
	Medium ESP ducted			●	●		●	●		●
	High ESP ducted						●	●		●
	Outdoor unit			●	●		●	●		●

DC Inverter Multi



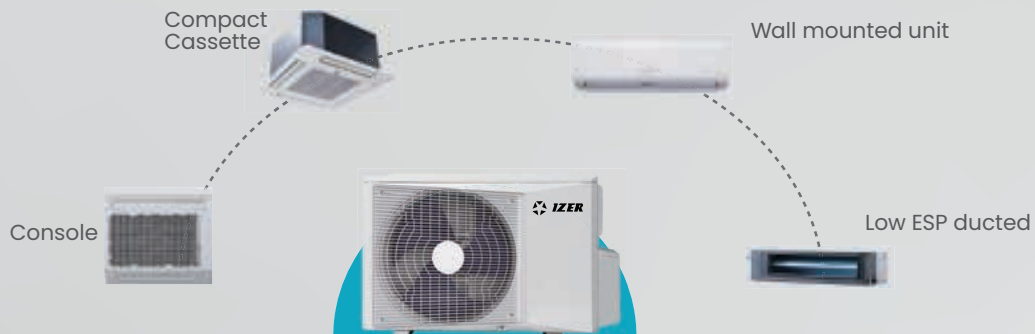
Matching mode

Multiple indoor units can be connected to 1 outdoor unit, which is friendly to small apartment and save installation space.



Various indoor units

Connecting different types of indoor units to meet different needs.



Flexible installation

The total max. pipe length is up to 75m and max. height difference is up to 10m, which allows to choose a suitable place to install the outdoor unit.



Specification

R32 Multi Split Outdoor Unit



Model

C20U-D14HR4-A01	C20U-D18HR4-A01	C30U-D21HR4-C01	C30U-D27HR4-C01	C40U-D28HR4-D01	C40U-D36HR4-D01	C50U-D42HR4-D01
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

Power supply			V/N/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
Capacity				▽	▽	▽	▽	▽	▽
Cooling	Capacity	Btu/h	7000-14000	7000-18000	7000-21000	7000-27000	7000-28000	7000-36000	7000-42000
	Input	W	1280	1650	1930	2472	2520	3400	3900
	Rated current	A	5.9	7.3	8.8	11.3	11.5	15.6	18.0
	EER	W/W	3.20	3.21	3.21	3.20	3.25	3.09	3.15
	SEER	W/W	6.2	6.1	6.3	6.2	6.4	6.6	6.1
Heating	Capacity	Btu/h	8000-16000	8000-20000	8000-24000	8000-30000	8000-30000	8000-38000	8000-44000
	Input	W	1350	1730	2150	2600	2450	3080	3650
	Rated current	A	6.4	7.9	9.8	11.8	11.2	14.1	16.7
	COP	W/W	3.48	3.41	3.26	3.38	3.59	3.60	3.53
	SCOP(Average)	W/W	4	4	4	4	4	4	4
	SCOP (Warmer)	W/W	5.1	5.1	5.1	5.1	5.1	5.1	5.1
	Energy efficiency class (Average)		A+	A+	A+	A+	A+	A+	A+
	Energy efficiency class (Warmer)		A+++	A+++	A+++	A+++	A+++	A+++	A+++
Physical data			▽	▽	▽	▽	▽	▽	
Outdoor air flow(High speed)		m³/h	2300	2300	3300	3300	4000	4000	4000
Sound pressure noise level		dB(A)	55	55	56	56	58	58	58
Sound power noise level		dB(A)	65	65	66	66	68	68	68
Net dimension(W×H×D)		mm	880×555×345	880×555×345	938×702×382	938×702×382	1035×808×445	1035×808×445	1035×808×445
Packing dimension(W×H×D)		mm	920×600×380	920×600×380	975×770×435	975×770×435	1075×875×495	1075×875×495	1075×875×495
Net/Gross weight		kg	32.4/35.1	33.2/36	46.3/49.5	51.3/54.5	61.5/66	65/70	67.4/72
Refrigerant type and quantity		g	R32/1100	R32/1350	R32/1600	R32/1800	R32/2600	R32/2800	R32/3400
Piping data			▽	▽	▽	▽	▽	▽	▽
Liquid side/Gas side		mm	2×(6.35/9.52)	2×(6.35/9.52)	3×(6.35/9.52)	3×(6.35/9.52)	4×(6.35/9.52)	4×(6.35/9.52)	5×(6.35/9.52)
Max. pipe length (total)		m	30	30	45	45	60	60	75
Max. height difference(ODU below)		m	10	10	10	10	10	10	10
Ambient temperature(Cooling)		℃	-15~52	-15~52	-15~52	-15~52	-15~52	-15~52	-15~52
Ambient temperature(Heating)		℃	-15~34	-15~34	-15~34	-15~34	-15~34	-15~34	-15~34
Application area		m²	2×(10~15)	2×(12~18)	3×(10~15)	3×(12~18)	4×(10~15)	4×(12~18)	5×(12~18)

Note

- 1.The cooling condition T1 condition: indoor side 27°C(80.6°F) DB, 19°C(60°F) WB, outdoor side 35°C(95°F) DB.
- 2.The heating condition: indoor side 20°C(68°F) DB, 15°C(44.6°F) WB, outdoor side 7°C(42.8°F) DB.
- 3.Sound level: measured at a point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- 4.The above data may be changed without notice for future improvement on quality and performance.

R32 Wall Mounted type



Wall mounted IDU				CCG-V07HR4-GSA-S40	CCG-V09HR4-GSA-S40	CCG-V12HR4-GSB-S40	CCG-D18HR4-GSC-S40	CCG-D24HR4-GSC-S40
Power supply			V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity				7000	9000	12000	18000	24000
Cooling	Capacity	Btu/h		35	35	45	55	65
	Input	W		0.3	0.3	0.4	0.5	0.6
	Rated current	A		8000	10000	13000	19000	25000
Heating	Capacity	Btu/h		35	35	45	55	65
	Input	W		0.3	0.3	0.4	0.5	0.6
	Rated current	A						
Physical data				450	450	550	850	1020
Indoor air flow			m³/h	30/27/24	33/28/24	36/30/25	44/40/36	45/42/38
Indoor noise level(Hi/Mi/Lo)			dB(A)	50	50	50	53	55
Sound power noise level(Hi)			dB(A)	715×295×198	715×295×198	864×300×200	972×320×215	972×320×215
Net dimension(W×H×D)			mm	785×370×285	785×370×285	950×380×290	1060×405×320	1060×405×320
packing dimension(W×H×D)			mm	8.5/10.5	8.5/10.5	9.5/11.5	11.5/14.5	11.5/14.5
Net/Gross weight			kg					
Piping data				6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	9.52/12.7
Liquid/Gas			mm	DN17	DN17	DN17	DN17	DN17
Drainage pipe			mm	10-15	12-18	16-23	23-34	34-51
Application area			m²					

Specification

R32 Cassette Type



CASSETTE IDU			CCB-D07HR4-Q402	CCB-D09HR4-Q402	CCB-D12HR4-Q402	CCB-D18HR4-Q402
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity			7000	9000	12000	18000
Cooling	Capacity	Btu/h	25	25	26	34
	Input	W	0.12	0.12	0.12	0.16
	Rated current	A	8000	10000	13000	19000
Heating	Capacity	Btu/h	25	25	26	34
	Input	W	0.12	0.12	0.12	0.16
	Rated current	A				
Physical data			540/490/410	540/490/410	560/500/420	650/580/500
Indoor air flow(Hi/Mi/Lo)		m³/h	39/36/33	39/36/33	40/37/34	44/41/38
Indoor noise level(Hi/Mi/Lo)		dB(A)	50	50	54	55
Sound power noise level(Hi)		dB(A)	580x267x580	580x267x580	580x267x580	580x267x580
Net dimension(WxHxD)		mm	755x375x680	755x375x680	755x375x680	755x375x680
packing dimension(WxHxD)		mm	16.5/21.5	16.5/21.5	16.5/21.5	16.5/21.5
Net/Gross weight		kg				
Piping data			6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Liquid/Gas		mm	DN25	DN25	DN25	DN25
Drainage pipe		mm	10-15	12-18	16-23	23-34
Application area		m²				

R32 Short Duct Type



DUCTED IDU			CTA-D07HR4-F101	CTA-D09HR4-F101	CTA-D12HR4-F101	CTA-D18HR4-F102
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity			7000	9000	12000	18000
Cooling	Capacity	Btu/h	20	20	30	55
	Input	W	0.1	0.1	0.15	0.2
	Rated current	A	8000	10000	13000	19000
Heating	Capacity	Btu/h	20	20	30	55
	Input	W	0.1	0.1	0.15	0.2
	Rated current	A				
Physical data			550/410/340	550/410/340	550/410/340	800/700/600
Indoor air flow(Hi/Mi/Lo)		m³/h	36/32/29	36/32/29	36/32/29	45/40/36
Indoor noise level(Hi/Mi/Lo)		dB(A)	47	47	47	58
Sound power noise level(Hi)		dB(A)	814x210x467	814x210x467	814x210x467	1010x210x467
Net dimension(WxHxD)		mm	910x240x510	910x240x510	910x240x510	1110x240x510
packing dimension(WxHxD)		mm	17/19.5	17/19.5	17/19.5	22.5/26
Net/Gross weight		kg				
Piping data			6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Liquid/Gas		mm	DN25	DN25	DN25	DN25
Drainage pipe		mm	10-15	12-18	16-23	23-34
Application area		m²				

R32 Console



Console IDU			CZA-D09HR4-ZA	CZA-D12HR4-ZA	CZA-D18HR4-ZA
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Capacity			9000	12000	18000
Cooling	Capacity	Btu/h	40	40	45
	Input	W	0.20	0.20	0.22
	Rated current	A	10000	13000	19000
Heating	Capacity	Btu/h	40	40	45
	Input	W	0.20	0.20	0.22
	Rated current	A			
Physical data			520/480/420	560/520/480	610/560/520
Indoor air flow(Hi/Mi/Lo)		m³/h	39/37/35	41/39/37	43/41/39
Indoor noise level(Hi/Mi/Lo)		dB(A)	50/48/46	52/50/48	54/52/50
Sound power noise level(Hi)		dB(A)	700x630x215	700x630x215	700x630x215
Net dimension(WxHxD)		mm	790x700x275	790x700x275	790x700x275
packing dimension(WxHxD)		mm	15/18	15/18	15/18
Net/Gross weight		kg			
Piping data			6.35/9.52	6.35/9.52	6.35/12.7
Liquid/Gas		mm	DN25	DN25	DN25
Drainage pipe		mm	12-18	16-23	23-34
Application area		m²			
Dehumidification		kg/h	0.6	0.84	1.27



Outdoor Unit

Outdoor Unit

ODU			C20U-D18HR4-A01	C30U-D21HR4-C01	C30U-D27HR4-C01	C40U-D28HR4-D01	C40U-D36HR4-D01	C50U-D42HR4-D01
			821039200007	821039400007	821039400008	821042000238	821042000237	821042000239
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
Capacity								
Cooling	Capacity	Btu/h	7000-18000	7000-21000	7000-27000	7000~28000	7000~36000	7000-42000
		kW	2.1-5.3		2.1-7.9	2.1~8.2	2.1-10.5	2.1-12.3
	Input	W	1650	1930	2472	2520	3400	3900
	Rated current	A	7,3	8,8	11,3	11,5	15,6	18
	EER	W/W	3,21	3,21	3,2	3,25	3,09	3,15
	SEER		6,1	6,3	6,2	6,4	6,6	6,1
Heating	Capacity	Btu/h	8000-20000	8000-24000	8000-30000	8000~30000	8000-38000	8000-44000
		kW	2.3-5.9	2.3-7.0	2.3-8.8	2.3~8.8	2.3-11.1	2.3-12.9
	Input	W	1730	2150	2600	2450	3080	3650
	Rated current	A	7,9	9,8	11,8	11,2	14,1	16,7
	COP	W/W	3,41	3,26	3,38	3,59	3,6	3,53
	SCOP		4	4	4	4	4	4
Max	Current	A	13,2	14,2	17,2	19	27	28
	Input	W	2500	2880	3500	3600	4900	5100
Physical data								
Compressor	Model		KSN140D21UFZ	KSN140D21UFZ	KTM240D43UMT	KTM240D43UMT	KTM240D43UMT	KTM310D85UMT
	Type		DC	DC	DC	DC	DC	DC
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	W	4370	4370	7760	7760	7760	9800
	Input	W	1135	1135	2055	2055	2055	2680
	Refrigerant oil	ml	VG74(440ml)	VG74(440ml)	VG74(620ml)	VG74(620ml)	VG74(620ml)	VG74(850ml)
Fan motor	Model		DRN-310-34-8	DRN-310-75-8	DRN-310-75-8	DRN-310-90-8	DRN-310-90-8	DRN-310-90-8
	Type		DC	DC	DC	DC	DC	DC
	Output	W	34	75	75	90	90	90
	Speed	r/min	860	860	860	850	850	850

ODU			C20U-D18HR4-A01	C30U-D21HR4-C01	C30U-D27HR4-C01	C40U-D28HR4-D01	C40U-D36HR4-D01	C50U-D42HR4-D01
Outdoor coil	Number of rows		2	2	3	2	2,5	2,5
	Tube pitch(a) x Row pitch(b)	mm	25*21.65	21*19.4	21*13.37	25*21.65	25*21.65	25*21.65
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Fin spacing	mm	1,6	1,5	1,6	1,6	1,6	1,6
	Tube outside dia. and type	mm	9,52	7	7	9,52	9,52	9,52
			Inner screw	Inner screw	Inner screw	Inner screw	Inner screw	Inner screw
	Coil length x height x width	mm	812*500*43.3	793*650*38.8	784*650*40.1	1003*750*43.3	1003*750*43.3+580*750*21.65	1003*750*43.3+580*750*21.65
Number of circuits		4	6	7	4	5	5	
Outdoor air flow(High speed)		m3/h	2300	3300	3300	4000	4000	4000
Sound pressure noise level		dB(A)	55	56	56	58	58	58
Sound power noise level		dB(A)	65	66	66	68	68	68
Net dimension (W×H×D)		mm	880×555×345	938×702×382	938×702×382	1035×808×445	1035×808×445	1035×808×445
Packing dimension (W×H×D)		mm	920×600×380	975×770×435	975×770×435	1075×875×495	1075×875×495	1075×875×495
Net/Gross weight		kg	33.2/36	46.3/49.5	51.3/54.5	61.5/66	65/70	67.4/72
Refrigerant	Refrigerant quantity	g	1350	1600	1800	2600	2800	3400
	Refrigerant		R32	R32	R32	R32	R32	R32
	Pipe length without additional charge	m	5	5	5	5	5	5
	Refrigerant charge (Pipe length>5m)	forφ6.35 (Pipe length-5)*15g/m, forφ9.52 (Pipe length-5) *20g/m Note: Piping length means that liquid side of each indoor unit.						
Piping data								
Liquid side/Gas side		mm	2×(6.35/9.52)	3×(6.35/9.52)	3×(6.35/9.52)	4×(6.35/9.52)	4×(6.35/9.52)	5×(6.35/9.52)
Max. pipe length (total)		m	30	45	45	60	60	75
Max. height difference between indoor unit and outdoor unit(ODU below)		m	10	10	10	10	10	10
Max. height difference between indoor unit and outdoor unit(ODU above)		m	10	10	10	10	10	10
Max. height difference between indoor unit and indoor unit		m	5	5	5	5	5	5
Main power of outdoor unit cable			3*2.5mm²	3*4mm²	3*4mm²	3*4mm²	3*4mm²	3*6mm²
Connecting wire of indoor unit&outdoor unit			4*1mm²	4*1mm²	4*1mm²	4*1mm²	4*1mm²	4*1mm²
Ambient temperature	Cooling	℃	-15~52	-15~52	-15~52	-15~52	-15~52	-15~52
	Heating	℃	-15~34	-15~34	-15~34	-15~34	-15~34	-15~34
Application area		m²	2* (12~18)	3* (10~15)	3* (12~18)	4* (10~15)	4* (12~18)	5* (12~18)



Cassette IDU

Cassette IDU

Cassette IDU			CCB-D07HR4-Q402	CCB-D09HR4-Q402	CCB-D12HR4-Q402	CCB-D18HR4-Q402
			821040000111	821040000112	821040000113	821040000114
Power supply		V/ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Capacity						
Cooling	Capacity	Btu/h	7000	9000	12000	18000
		kW	2,1	2,6	3,5	5,3
	Input	W	25	25	26	34
	Rated current	A	0,12	0,12	0,12	0,16
Heating	Capacity	Btu/h	8000	10000	13000	19000
		kW	2,3	2,9	3,8	5,6
	Input	W	25	25	26	34
	Rated current	A	0,12	0,12	0,12	
Physical data						
Fan motor	Model		DR-310-35Q-8-1	DR-310-35Q-8-1	DR-310-35Q-8-1	DR-310-35Q-8-1
	Type		DC	DC	DC	DC
	Input	W	21/16/12	21/16/12	23/18/13	30/24/18
	Speed(H/M/L)	r/min	670/590/500	670/590/500	690/610/520	790/710/610
Indoor coil	Number of rows		2	2	2	2
	Tube pitch(a)xrow pitch(b)	mm	21*13.37	21*13.37	21*13.37	21*13.37
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Fin spacing	mm		1,4	1,4	1,4
	Tube outside dia. and type	mm	7	7	7	7
			Inner screw	Inner screw	Inner screw	Inner screw
	Coil size (W*D*H)	mm	1313*26.74*210	1313*26.74*210	1313*26.74*210	1313*26.74*210
Number of circuits			4	4	4	4
Indoor air flow(Hi/Mi/Lo)		m³/h	540/490/410	540/490/410	560/500/420	650/580/500
Indoor noise(Hi/Mi/Lo)		dB(A)	39/36/33	39/36/33	40/37/34	44/41/38
Sound power noise level(Hi)		dB(A)	50	50	54	55
Net dimension(W×H×D)		mm	580x267x580	580x267x580	580x267x580	580x267x580
packing dimension(W×H×D)		mm	755×375×680	755×375×680	755×375×680	755×375×680
Net/Gross weight		kg	16.5/21.5	16.5/21.5	16.5/21.5	16.5/21.5
Piping data						
Liquid/Gas		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Drainage pipe		mm	DN25	DN25	DN25	DN25
Application area		m²	10~15	12~18	16~23	23~34
Dehumidication		kg/h	0,5	0,6	0,84	1,27



Ducted IDU

Ducted IDU

Ducted IDU			CTA-D07HR4-F101	CTA-D09HR4-F101	CTA-D12HR4-F101	CTA-D18HR4-F102	CTA-D24HR4-F103
			821039100048	821039100049	821039100050	821039100046	821039100045
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
Capacity							
Cooling	Capacity	Btu/h	7000	9000	12000	18000	24000
		kW	2,1	2,6	3,5	5,3	7
	Input	W	20	20	30	55	68
	Rated current	A	0,1	0,1	0,15	0,2	0,3
Heating	Capacity	Btu/h	8000	10000	13000	19000	26272
		kW	2,3	2,9	3,8	5,6	7,7
	Input	W	20	20	30	55	68
	Rated current	A	0,1	0,1	0,15	0,2	0,3
Physical data							
Fan motor	Model		DR-310-27F-8	DR-310-27F-8	DR-310-27F-8	DR-310-55F-8	DR-310-68F-8
	Type		DC	DC	DC	DC	DC
	Output	W	27	27	27	55	68
	Speed(H/M/L)	r/min	850/640/550	850/640/550	850/640/550	1080/980/800	1080/980/800
Indoor coil	Number of rows		2	2	2	2	3*2
	Tube pitch(a)xrow pitch(b)	mm	21*12.7	21*12.7	21*12.7	21*12.7	21*12.7
	Fin type		Hydrophilic	Hydrophilic		Hydrophilic	Hydrophilic
	Fin spacing	mm	1,4	1,4	1,4	1,4	1,4
	Tube outside dia. and type	mm	7	7	7	7	7
			Inner screw	Inner screw	Inner screw	Inner screw	inner grooved
	Coil size (W*D*H)		2*(515*27*146)	2*(515*27*146)	2*(515*27*146)	2*(715*38.1*147)	915*147*38.1
	Number of circuits		4	4	4	4	6
Indoor air flow(Hi/Mi/Lo)	m ³ /h		550/410/340	550/410/340	550/410/340	800/700/600	1050/950/750
Static Pressure	Pa		0-30	0-30	0-30	0-30	0-30
Indoor noise(Hi/Mi/Lo)	dB(A)		36/32/29	36/32/29	36/32/29	45/40/36	47/45/43
Sound power noise level(Hi)	dB(A)		47	47	47	58	63
Net dimension(W×H×D)	mm		814×210×467	814×210×467	814×210×467	1010×210×467	1214×210×467
packing dimension(W×H×D)	mm		910×240×510	910×240×510	910×240×510	1110×240×510	1310×240×510
Net/Gross weight	kg		17/19.5	17/19.5	17/19.5	22.5/26	25/28
Piping data							
Liquid/Gas	mm		6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	Φ9.52/Φ15.88
Drainage pipe	mm		DN25	DN25	DN25	DN25	DN25
Application area	m ²		10~15	12~18	16~23	23~34	28-50
Deumidication	kg/h		0,5	0,6	0,84	1,27	1,5



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