



PACKAGEUNIT

STANDARD EFFICIENCY | 50 & 60 HZ

7.5 to 30 Tons



- »» Wide cooling capacity range
- »» Convenient power connection
- »» Easily accessible drain connection
- »» Design flexibility
- »» Reliable scroll compressor
- »» Multiple system protections
- »» Durable construction
- »» External pressure gauge ports
- »» Self-diagnostics
- »» Easy access doors design
- »» Washable filter System
- »» Customized anti-corrosion treatment available

PACKAGE UNIT – R410A 50 HZ MODEL | 380/415 VOLTS

Nominal ton		(Ton)	7.5	10		15		20	
Model			CP41AS090AH9N1C	CP41AD120AH9N1C		CP41AD180AH9N1C		CP41AD240AH9N1C	
Power supply		\	380~415V, 3Ph, 50Hz	380~415V, 3Ph, 50Hz		380~415V, 3Ph, 50Hz		380~415V, 3Ph, 50Hz	
Cooling 1	Cooling capacity	Btu/h / KW	89000 / 26	120000 / 35		180000 / 53		240000 / 70	
	Power input	kW	7.9	10.7		16.7		22.6	
Cooling 2	Cooling capacity	Btu/h / KW	69600 / 20.4	100200 / 29.4		146000 / 42.8		199200 / 58.4	
	Power input	kW	9	12.6		18.7		25.1	
Max. input consumption		kW	13.6	18		25		33	
Max. current		A	27.2	34.1		48		66.9	
Performance	Indoor air flow	CFM	2,830	4,100		7,000		8,800	
	ESP	Pa	Default: 80; 0~250	Default: 90; 0~250		Default: 110; 0~325		Default: 120; 0~375	
	EER 1 / EER 2	Btu / KW	11.3 / 7.8	11.2 / 8		10.8 / 7.8		10.6 / 7.9	
Indoor coil	Number of rows	\	3	4		4+4		4	
	Fin spacing	mm	1.3	1.5		1.3+1.3		1.3	
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin		Hydrophilic aluminum fin		Hydrophilic aluminum fin	
	Tube diameter	mm	Φ7	Φ7		Φ7+Φ7		Φ7	
	Tube type	\	Inner grooved copper pipe	Inner grooved copper pipe		Inner grooved copper pipe		Inner grooved copper pipe	
	Type / Quantity	\	Centrifugal / 1	Centrifugal / 1		Centrifugal / 1		Centrifugal / 2	
Indoor fan	Drive type	\	Direct	Belt		Belt		Belt	
	Motor model	\	YDK750-4E	YE2-90L-4-1.5KW		YE2-112M-4-4KW		YE2-132S-4-5.5KW	
	Motor capacitor	\	25μF/450V	\		\		\	
	Motor input	W	1,600/1,350/1,150	\		\		\	
	Motor speed	RPM	1,090/985/895	1,400		1,440		1,440	
	Type	\	Scroll / 1	Scroll / 2		Scroll / 2		Scroll / 2	
Compressor	Model	\	HCJ106	E654DH-65D2G	E654DH-65D2G	ZP61KCE-TFD-522	ZP144KCE-TFD-522	ZP144KCE-TFD-522	ZP144KCE-TFD-522
	Capacity	W	26,100	17,100	17,100	14,700	35,400	35,400	35,400
	Input	W	8,080	5,700	5,700	4,750	10,800	10,800	10,800
	RLA	A	14.3	9.6	9.6	10.9	21.1	21.1	21.1
	LRA	A	121.2	66	66	64	144	144	144
	Refrigerant oil	ml	2,460	1,300	1,300	1,685	3,253	3,253	3,253
Outdoor coil	Number of rows	\	3	2.5		3.5		3	
	Fin spacing	mm	1.5	1.5		1.6		1.5+1.5	
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin		Hydrophilic aluminum fin		Hydrophilic aluminum fin	
	Tube diameter	mm	Φ7	Φ7		Φ8		Φ7+Φ7	
	Tube type	\	Inner grooved copper pipe	Inner grooved copper pipe		Inner grooved copper pipe		Inner grooved copper pipe	
Outdoor fan	Type	\	Axial	Axial		Axial		Axial	
	Quantity	\	1	1		1		2	
	Drive type	\	Direct	Direct		Direct		Direct	
	Motor quantity	\	1	1		1		2	
	Motor model	\	YDK580-6C	YS1100-6P		YS1100-6		YS1100-6-3	
	Motor capacitor	\	25μF/450V	\		\		\	
	Motor input	W	820/505	\		\		\	
	Fan speed	RPM	870/640	1,120/965		1,120/965		1,090/944	
Refrigerant	Type / Charge	kg	R410A / 3.7	R410A / 2.35+2.35		R410A / 4.9+2.25		R410A / 5.65+5.65	
	Control	\	Throttle valve	Throttle valve		Throttle valve		Throttle valve	
Sound pressure level		dB(A)	71.5	72.6		75.5		75.3	
Wired controller		\	KJR-25B	KJR-12B/dP(T)-E		KJR-12B/dP(T)-E		KJR-12B/dP(T)-E	
Centralized controller (Optional)		\	Yes	Yes		Yes		Yes	
Ambient temperature (Cooling)		°C	10~52	10~52		10~52		10~52	
System stage		\	1	2		2		2	
Dimensions / Weight	Net (W×H×D)	mm / kg	1,475×840×1,130 / 231	1,483×1,231×1,138 / 335		1,965×1,230×1,130 / 470		1,670×1,247×2,192 / 670	

See notes on page 4

PACKAGE UNIT – R410A 60 HZ MODEL | 220 VOLTS

Nominal ton		(Ton)	7.5	10	15	20	25	30
Model			CP41AS090AH5N2C	CP41AS120AH5N2C	CP41AD180AH5N2C	CP41AD240AH5N2C	CP41AD300AH5N2C	CP41AD360AH5N2C
Power supply		\	220V, 3Ph, 60Hz	220V, 3Ph, 60Hz	220V, 3Ph, 60Hz	220V, 3Ph, 60Hz	220V, 3Ph, 60Hz	220V, 3Ph, 60Hz
Cooling	Capacity	Btu/h	89,000	120,000	180,000	240,000	300,000	360,000
		kW	26.1	35.2	52.8	70.3	87.9	105.5
	Power input	kW	7.8	10.7	16.2	21.9	27.8	36
	EER	Btu/h.W	11.4	11.2	11.1	11	10.8	9.7
Max. input consumption		kW	11.3	17.5	25	36	45	50.1
Max. current		A	42.2	52.3	78.1	111.3	139.3	155.2
Indoor air flow		CFM	2,700	4,120	6,450	8,580	11,138	11,000
ESP		Pa	Default: 80, 0~250	Default: 90, 0~275	Default: 110; 0~325	Default: 120; 0~400	Default: 250; 125~450	Default: 270; 0~400
Indoor fan	Type / Quantity	\	Centrifugal / Direct	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt
Outdoor fan	Type / Drive type	\	Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct
Compressor	Type / Quantity	\	Scroll / 1	Scroll / 1	Scroll / 2	Scroll / 2	Scroll / 2	Scroll / 2
Refrigerant	Type	\	R410A	R410A	R410A	R410A	R410A	R410A
	Volume	kg	3.8	4.1	2.2+4.6	5.4+5.4	6.7+6.7	7.1+7.1
	Control	\	Throttle valve	Throttle valve	Throttle valve	Throttle valve	Capillary	Capillary
Sound pressure level		dB(A)	75.6	75.7	76.8	78.3	79.2	79.7
Wired controller		\	KJR-12B/dP(T)-E	KJR-25B	KJR-25B	KJR-25B	KJR-25B	KJR-25B
Centralized controller (Optional)		\	Yes	Yes	Yes	Yes	Yes	Yes
Ambient temperature (Cooling)		°C	10~52	10~52	10~52	10~52	10~52	10~52
System stage		\	1	1	2	2	2	2
Dimensions	Net (WxHxD)	mm	1,475x840x1,130	1,483x1,231x1,138	1,965x1,230x1,130	1,670x1,247x2,192	2,320x1,245x2,220	2,320x1,245x2,220
	Packing (WxHxD)	mm	1,495x870x1,150	1,500x1,255x1,155	1,995x1,255x1,160	1,695x1,284x2,212	2,330x1,275x2,230	2,330x1,275x2,230
Weight	Net	kg	235	325	470	670	895	940
	Gross	kg	240	335	485	700	925	970

See notes on page 4

PACKAGE UNIT – R410A 60 HZ MODEL | 460 VOLTS

Nominal ton		(Ton)	20	25	30
Model			CP41AD240AH6N1C	CP41AD300AH6N1C	CP41AD360AH6N1C
Power supply		\	460V, 3Ph, 60Hz	460V, 3Ph, 60Hz	460V, 3Ph, 60Hz
Cooling	Cooling capacity	Btu/h	240,000	300,000	360,000
		kW	70.3	87.9	105.5
	Power input	kW	23.6	33	37.9
	EER	Btu/h.W	10.2	9.1	9.5
Max. input consumption		kW	36	45	46.8
Max. current		A	60.8	66.2	74.5
Indoor air flow		CFM	8,300	11,500	11,000
ESP		Pa	Default: 120; 0~400	Default: 250; 125~450	Default: 270; 0~400
Indoor fan	Type / Quantity	\	Centrifugal / 2	Centrifugal / 2	Centrifugal / 2
	Drive type	\	Belt	Belt	Belt
	Motor quantity	\	1	1	1
Compressor	Type / Quantity	\	Scroll / 2	Scroll / 2	Scroll / 2
	Model	\	SH120A4ALC	SH140A4ALC	SH161A4ALC
Outdoor fan	Type	\	Axial	Axial	Axial
	Quantity	\	2	2	2
	Drive type	\	Direct	Direct	Direct
	Motor quantity	\	2	2	2
Refrigerant	Type	\	R410A	R410A	R410A
	Volume	kg	5.4+5.4	6.1+6.1	7.6+7.6
	Control	\	Throttle valve	Capillary	Capillary
Sound pressure level		dB(A)	78.3	79.2	77.9
Wired controller		\	KJR-12B	KJR-12B	KJR-12B
Centralized controller (Optional)		\	Yes	Yes	Yes
Ambient temperature (Cooling)		°C	10~52	10~52	10~52
System stage		\	2	2	2
Dimensions	Net (W×H×D)	mm	1,670×1,247×2,192	2,320×1,245×2,220	2,320×1,245×2,220
	Packing (W×H×D)	mm	1,695×1,284×2,212	2,330×1,275×2,230	2,330×1,275×2,230
Weight	Net	kg	670	895	940
	Gross	kg	700	925	970

Notes:

- Nominal ton only for reference. Cooling capacity as per specifications;
- Cooling capacity test condition: (1)
Outdoor ambient temperature: 35°C, indoor temperature: 26.7°CDB, 19.4°CWB;
Cooling capacity test condition: (2)
Outdoor ambient temperature: 46.1°C, indoor temperature: 26.7°CDB, 19.4°CWB;
- Units are suitable for operation to ±20% of nominal indoor air flow.
- ESP: external static pressure;
- Specifications are subject to change without prior notice for product improvement.

AUTHORIZED DEALER:

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