



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

60 Hz Model

Nominal ton		(Ton)	20	25	30
Model			CP41A-240DH6N1C	CP41A-300DH6N1C	CP41A-360DH6N1C
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/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E
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

PACKAGE UNIT - R410A 50 & 60 HZ

60 Hz Model

*wired controller included

Nominal ton		(Ton)	7.5	10	15	20	25	30
Model			CP41A-090SH5N1C	CP41A-120SH5N1C	CP41A-180DH5N1C	CP41A-240DH5N1C	CP41A-300DH5N1C	CP41A-360DH5N1C
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	45.8 (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	77.9 (79.7)
Wired controller		\	KJR-25B	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E
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 (W×H×D)	mm	1,475×840×1,130	1,483×1,231×1,138	1,965×1,230×1,130	1,670×1,247×2,192	2,320×1,245×2,220	2,320×1,245×2,220
	Packing (W×H×D)	mm	1,495×870×1,150	1,500×1,255×1,155	1,995×1,255×1,160	1,695×1,284×2,212	2,330×1,275×2,230	2,330×1,275×2,230
Weight	Net	kg	235	325	470	670	895	940
	Gross	kg	240	335	485	700	925	970

PACKAGE UNIT - R410A 50 & 60 HZ

50 Hz Model

*wired controller included

Nominal ton		(Ton)	CP41AS090AH9N1C	CP41AD120AH9N1C		CP41AD180AH9N1C		CP41AD240AH9N1C	
Model			CP41A-090SH9N1C	CP41A-120SH9N1C		CP41A-180DSH9N1C		CP41A-240DH9N1C	
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	
Indoor fan	Type / Quantity	\	Centrifugal / 1	Centrifugal / 1		Centrifugal / 1		Centrifugal / 2	
	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	
Compressor	Type	\	Scroll / 1	Scroll / 2		Scroll / 2		Scroll / 2	
	Model	\	H CJ106	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)		\	No	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	

- 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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