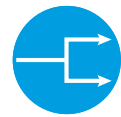


• Unique
solutions

CCD 

Twin application

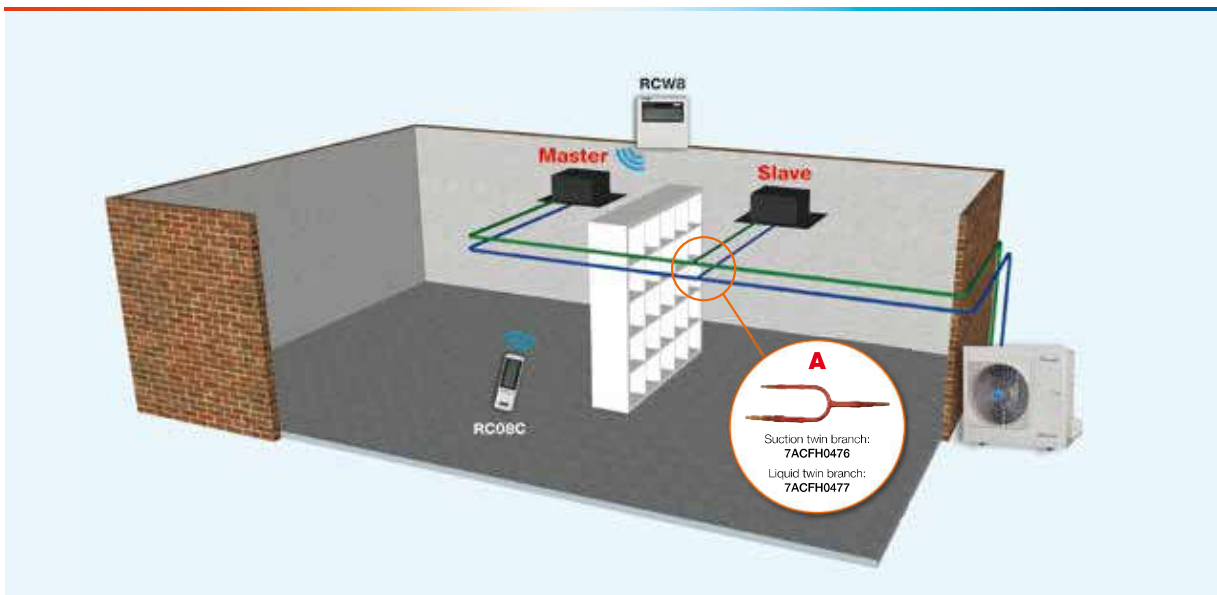


TWIN APPLICATION

The twin application is used mainly in big open space where the total space area is controlled by one controller only for 2 units. Airwell twin design allows to connect two similar indoor units to one common outdoor unit. The two indoor units are working in a same mode and set up only once, one indoor unit used as master.

The most cost saving solution for single-area spaces:

- Simple installation by having one refrigerant and control system.
- Space saving by using one outdoor unit instead of two.
- Low cost installation.
- Simple control, one control station for big space.
- Option to control by wireless or wired controller.
- Ducted or cassette application.



	Indoor units	Outdoor units
Twin system	CCD018 + CCD018	YMD036
	CCD024 + CCD024	YMD048

Tubeing & charge instructions	YMD036	YMD048
Pipe diameter (liquid-gas) (inches)	3/8"-5/8"	
Max. length (m)	30	50
Max. difference in branch length (m)	10	
Max. height drop between indoor units (m)	0.5	
Max. height drop between indoor and outdoor units (m)	20	
Max. branch length (m)	15	

MANDATORY ACCESSORIES

Accessory	Part number	Photo	Description	Function
Branch gas	7ACFH0476		Twin branch suction	Tube branch to collect all suction lines. Mandatory for Twin application.
Branch liquid	7ACFH0477		Twin branch liquid	Tube branch to collect all liquid lines. Mandatory for Twin application.

Monosplit DCI
Cooling & heating

CCD CASSETTE MONOSPLIT MULTISPLIT → Only sizes 9, 12 & 18



600x600 and 900x900

NEW **A++**  TWIN APPLICATION

+ PRODUCTS

- 360° flow.
- Auto swing.
- Twin application.
- Fresh air intake (for models 24 to 48).
- Water pump included.



FEATURES

 DC INVERTER	 R410A FLUID	 ELECTRONIC EXPANSION VALVE	 AIR FILTER
 FRESH AIR (CCD 24-48)	 I FEEL	 MULTIFLOW 360°	 SLEEP MODE
 DIGITAL DISPLAY	 24 H PROGRAMMABLE TIMER	 SELF DIAGNOSTIC	 LOW BATTERY INDICATION
 RESTART (MEMORY)	 REMOTE CONTROL LOCK	 AUTO MODE OPERATION	 AUTO FAN
 INTEGRATED WATER PUMP	 ALARM OUTPUT	 UNIT ON INPUT	 LOW AMBIENT COOLING
 LOW AMBIENT HEATING	 BMS COMPATIBLE	 WIFI	



CCD 009-012-018

CCD 024-036-048







- DC Inverter and sine wave compressor drive technology.
- “I Feel” function with precise room temperature control.
- Available in 3PH from 10 kW.
- Centralized controller up to 64 units (optional).
- Sizes 9X, 12 & 18X can also match to multisplit outdoor unit (see dedicated part number page 76).
- Integrated water pump.

360 DEGREE FLOW WITH ROUND CORNERS



OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW6 (except size 9)	7ACEL1704		Mode, fan speed, real time, timer, temperature, weekly timer, swing and “I Feel”.
Wired single control RCW8	7ACEL1706		Mode, fan speed, timer ON/OFF, temperature, swing and “I Feel”.
Central controller RCW16	7ACEL1707		Controls up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS gateway	7ACEL1708		Maximum 1024 units could be connected (16 gateways).








All sizes except CCD 009X and 048

CCD TECHNICAL DATA



ONLY MULTI CONFIGURATION

Indoor unit		AWSI-CCD009X-N11	AWSI-CCD012-N11	AWSI-CCD018-N11	AWSI-CCD024-N11	AWSI-CCD036-N11	AWSI-CCD036-N11	AWSI-CCD048-N11
Outdoor units 1~230V - 50 Hz		-	AWAU-YMD012-H11	AWAU-YMD018-H11	AWAU-YMD024-H11	AWAU-YMD036-H11	-	-
Outdoor units 3~400V - 50 Hz		-	-	-	-	-	AWAU-YMD036-H13	AWAU-YMD048-H13
COOLING								
Rated power	kW	2.6 (0.8-3.3)	3.5 (0.8-4.4)	5.1 (0.8-6.1)	6.8 (1.2-8.2)	10.5 (2.9-12.0)	10.5 (2.9-12.0)	14.0 (4.0-16.1)
Pdesignc	kW		3.5	5.1	6.8	10.5	10.5	14.0
Rated power input	kW		0.9	1.579	2.105	4.008	4.008	5.344
SEER/Energy label			6.8/A++	6.3/A++	6.1/A++	6.1/A++	6.1/A++	5.6/A+
Operating limits	°C	-15°/50° Dry bulb						
HEATING								
Rated power	kW	2.9 (0.85-3.7)	4.1 (0.85-5.1)	5.6 (0.9-7.0)	7.6 (1.2-8.6)	11.2 (2.6-13.2)	11.2 (2.6-13.2)	15.5 (4.2-17.6)
Pdesignh (average climate)	kW		3.5	4.8	5.8	9.8	10.0	11.5
Pdesignh (warmer climate)	kW		3.6	5	5.8	10.5	10.5	11.6
Rated power input	kW		0.995	1.509	2.049	3.216	3.216	4.532
SCOP/Energy label (average climate)			4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy Label (warmer climate)			5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++
Operating limits	°C	-15°/24° Dry bulb						
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	32/36/39	34/38/42	36/40/44	42/44/47	48/51/54	48/51/54	46/49/52
Sound power level	dB(A)	53	55	60	62	63	63	64
Airflow (LS/MS/HS)	m³/h	450/500/580	450/530/650	490/550/660	1300/1500/1700	1400/1600/1850	1400/1600/1850	1600/1800/2200
Dehumidification	l/h		1.5	2	2.5	3.8	3.8	4.5
Outline dimensions (WxHxD)	mm	570x270x570	570x270x570	570x270x570	840x245x840	840x245x840	840x245x840	840x287x840
Package dimensions (WxHxD)	mm	655x290x655	655x290x655	655x290x655	900x257x900	900x257x900	900x257x900	900x292x900
Net weight/Gross weight	kg	14.5/17.3	18.6/19	16.5/19	24/28	26.4/30.4	26.4/30.4	28/32.1
Part number		7SP042246X	7SP042247	7SP042248	7SP042249	7SP042250	7SP042250	7SP042251
FRAME								
Outline dimensions (WxHxD)	mm	647x50x647	647x50x647	647x50x647	950x55x950	950x55x950	950x55x950	950x55x950
Package dimensions (WxHxD)	mm	715x123x715	715x123x715	715x123x715	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5	5/8	5/8	5/8	5/8
Part number frame		7ACVF0566	7ACVF0566	7ACVF0566	7ACVF0564	7ACVF0564	7ACVF0564	7ACVF0564
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)		54	54	60	61	61	63
Sound power level	dB(A)		61	65	65	67	68	72
Airflow	m³/h		2000	2100	2700	4300	4300	6800
Compressor type			Rotary DCI	Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Refrigerant type/Ammount	kg		R410a/1.38	R410a/1.78	R410a/1.95	R410a/3.2	R410a/3.2	R410a/4.0
Outline dimensions (WxHxD)	mm		800x554x333	800x554x333	845x363x702	946x410x810	946x410x810	952x415x1333
Package dimensions (WxHxD)	mm		920x615x390	920x615x390	965x396x765	1090x500x865	1090x500x865	1095x500x1470
Net weight/Gross weight	kg		34.5/37.3	35.5/38.4	49/51.5	67.2/72.9	78.9/83.9	108.1/121.2
Part number 1~230V - 50 Hz			7SP062891	7SP062892	7SP062893	7SP062895	-	-
Part number 3~400V - 50 Hz			-	-	-	-	7SP062896	7SP062899
POWER SUPPLY 1~230V - 50 HZ								
Power supply side			Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	-	-
Power cable section	mm²		3x1.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	-	-
Fuse rating am	A		16	10+16	10+25	10+30	-	-
Electrical connections	mm²	4x1.0	4x1.0	2x0.5	2x0.5	2x0.5	-	-
POWER SUPPLY 3~400V - 50 HZ								
Power supply side		-	-	-	-	-	Ind. & Out.	Ind. & Out.
Power cable section	mm²	-	-	-	-	-	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am	A	-	-	-	-	-	10+20	10+25
Electrical connections	mm²	-	-	-	-	-	2x0.5	2x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"
Max. length	m		25	30	50	65	65	65
Max. height	m		10	20	25	30	30	30

COMBINATIONS

Indoor unit Cassette	Compatible with outdoor unit	
	Monosplit	Multisplit
CCD 9X & CBD 18X 		YCZ 
CCD 12 	YMD 	YCZ 

COMBINATIONS

Indoor unit Cassette	Compatible with outdoor unit
	Monosplit
CCD 18-24-36 	YMD 18-24-36 
CCD 48 	YMD 48 