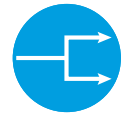


• Unique
solutions

DID 

Twin application

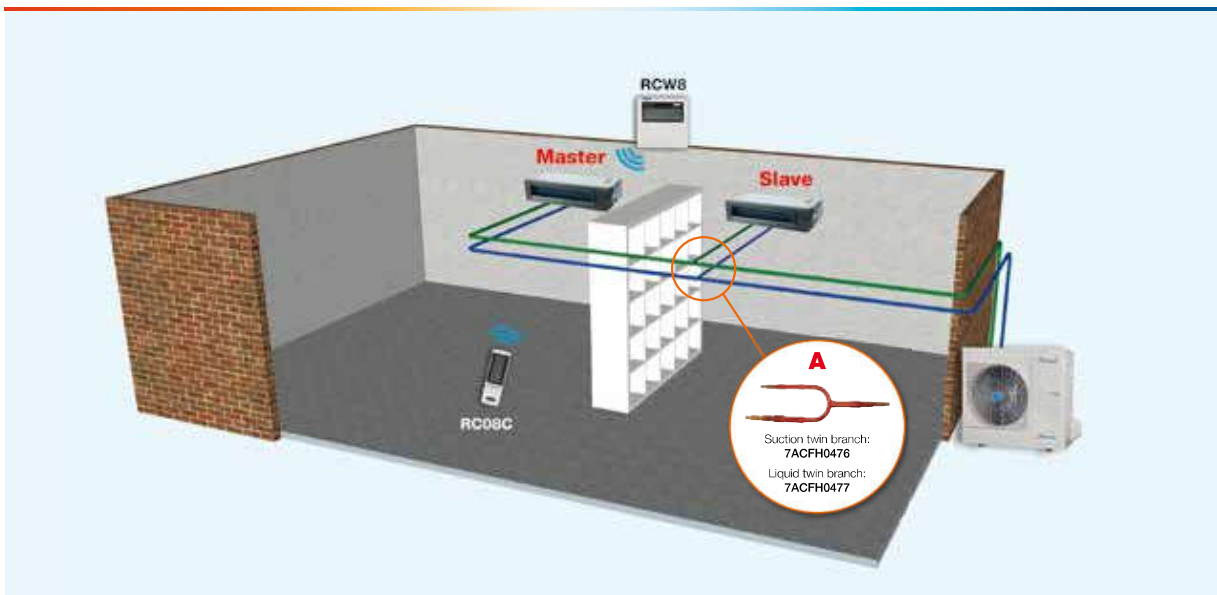


TWIN APPLICATION

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	DID018 + DID018	YMD036
	DID024 + DID024	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

DID DUCTED MEDIUM STATIC PRESSURE MONOSPLIT



NEW



+ PRODUCTS

- Twin application.
- Full range of accessories and controls.
- Possibility to wire a water pump.
- Air return option from rear or bottom side.



RCW8



RC08C
(optional)



RCW6
(optional)

FEATURES



FLEX MATCH



DC INVERTER



R410A FLUID



ELECTRONIC EXPANSION VALVE



FRESH AIR



I FEEL



SLEEP MODE



HOT KEEP



DIGITAL DISPLAY



PROGRAMMABLE TIMER



SELF DIAGNOSTIC



LOW BATTERY INDICATION



RESTART
AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK



AUTO MODE OPERATION



AUTO FAN



OUTDOOR MULTI FAN SPEED



INTEGRATED WATER PUMP



LEFT/RIGHT DRAIN CONNECTION



TWIN APPLICATION



STATIC PRESSURE CONTROL



ALARM OUTPUT



UNIT ON INPUT



LOW AMBIENT COOLING



LOW AMBIENT HEATING



BMS COMPATIBLE



WIFI

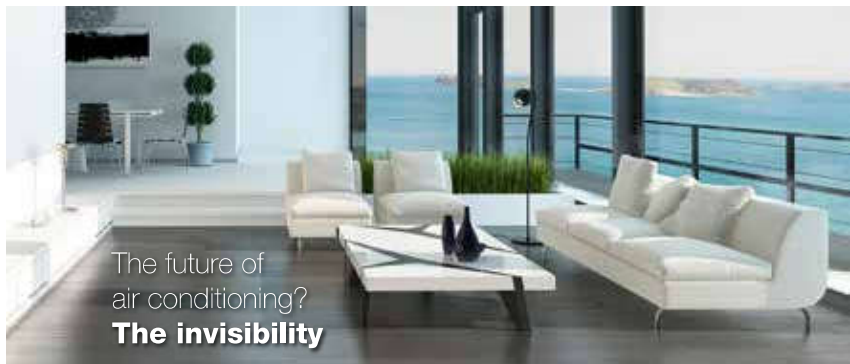


DID 012



DID 018-060

- DC Inverter and sine wave compressor drive technology.
- "I Feel" function with precise room temperature control.
- Option to connect to central controller or wireless remote control.
- Air filter is included.
- Easy maintenance: access to electronic box, filters.



OPTIONS

Accessory	Part number	Description	Photo	Function
Wireless controller RC08C	7ACEL1740			Timer, eco mode, "Follow me" option, swing, technician mode.
Wired single control RCW6	7ACEL1704			Mode, fan speed, real time, timer, temperature, weekly timer, 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).
	7ACVF0136	2 ducts DN160		For DID 12
	7ACVF0137	3 ducts DN 160		For DID 18
Insulated air duct plenum	7ACVF0138	3 ducts DN 160		For DID 24
	7ACVF0139	3 ducts DN 160		For DID 30
	7ACVF0140	3 ducts DN 160		For DID 36/42/48/60

DID TECHNICAL DATA

Indoor unit		AWSI-DID012-N11	AWSI-DID018-N11	AWSI-DID024-N11	AWSI-DID036-N11	AWSI-DID036-N11	AWSI-DID048-N11	AWSI-DID060-N11
Outdoor unit 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	AWAU-YMD060-H13
COOLING								
Rated power	kW	3.5 (0.6-4.4)	5.1 (0.8-6.1)	7 (1.2-8.2)	10.0 (2.9-12.0)	10.0 (2.9-12.0)	14.0 (4.1-16.4)	16 (5.0-18.1)
Pdesignc	kW	3.5	5.1	7	10.0	10.0	14.0	16
Rated power input	kW	1.023	1.579	2.167	3.817	3.817	4.965	6.612
SEER/Energy label		6.1/A++	6.3/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	5.6/A+
Operating limits	°C	-15°/50° Dry bulb						
HEATING								
Rated power	kW	3.8 (0.6-5.0)	5.8 (0.9-7.0)	7.3 (1.2-8.6)	11.5 (2.6-13.2)	11.5 (2.6-13.2)	16 (4.3-18.1)	18.0 (5.3-20.5)
Pdesignh (average climate)	kW	3.2	4.7	6	10.2	10.0	12	12.2
Pdesignh (warmer climate)	kW	3.6	5	6	10.5	10.5	12.2	12.4
Rated power input	kW	0.995	1.518	1.911	3.091	3.091	4.301	5.263
SCOP/Energy label (average climate)		4.0/A+	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+++	5.1/A+++
Operating limits	°C	-15°/24° Dry bulb						
Power @ -10°C	kW	3.2	4.8	7.6	9.8	9.5	12.9	14.1
Power @ -15°C	kW	2.7	3.8	6.2	7.6	7.6	10.1	12.3
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	27/31/35	38/40/42	38/40/42	38/40/42	42/44/46	48/50/52	54/56/58
Sound power level	dB(A)	57	59	62	63	63	69	74
Airflow (LS/MS/HS)	m³/h	450/580/680	690/850/980	780/1000/1200	920/1100/1400	920/1100/1400	1450/1740/2100	1800/2150/2500
External static pressure Range	Pa	25 (0-45)	25 (0-100)	25 (0-100)	37 (0-120)	37 (0-120)	50 (0-160)	50 (0-160)
Dehumidification	l/h	1.5	2	2.5	3.8	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	700x210x635	880x210x674	1100x774x249	1360x249x774	1360x249x774	1200x300x874	1200x300x874
Package dimensions (WxHxD)	mm	915x290x655	1070x270x725	130x305x805	1570x305x805	1570x305x805	1405x355x915	1405x355x915
Net weight/Gross weight	kg	18.4/22.7	25.4/31	31.7/39.1	40.2/48.4	40.2/48.4	46/55.2	46/55.2
Part number		7SP032165	7SP032166	7SP032167	7SP032168	7SP032168	7SP032169	7SP032170
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	54	54	60	61	61	63	63
Sound power level	dB(A)	61	65	65	67	68	72	75
Airflow	m³/h	2000	2100	2700	4300	4300	6800	7200
Compressor type		Rotary DCI	Rotary DCI	Twin 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	R410a/4.3
Outline dimensions (WxHxD)	mm	800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x615x390	920x615x390	965x765x396	1090x865x500	1090x865x500	1095x1470x500	1095x1470x500
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	112.8/126
Part number 1~230V - 50 Hz		7SP062891	7SP062892	7SP062893	7SP062895	-	-	-
Part number 3~400V - 50 Hz		-	-	-	-	7SP062896	7SP062899	7SP062900
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	2x0.5	2x0.5	2x0.5	-	-	-
POWER SUPPLY 3~400V - 50 HZ								
Power supply side		-	-	-	-	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	-	-	-	-	3x1.0+5x2.5	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am	A	-	-	-	-	10+20	10+25	10+25
Electrical connections	mm²	-	-	-	-	2x0.5	2x0.5	2x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m	25	30	50	65	65	65	65
Max. height	m	10	20	25	30	30	30	30

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
	Monosplit	Multisplit
DID 12 	YMD 	YCZ
DID 18 to 36 	YMD 	
DID 48 & 60 	YMD 	