

DBD/CAD/FAD -
YUD

DC INVERTER

LIGHT COMMERCIAL
MONOSPLIT



Airwell



The YUD serie is major designed for light commercial air-conditioning needs.

PRODUCT ADVANTAGES

- Auto mode / Cooling / Heating / Dehumidification
- Sleep mode (from remote control)
- ON/OFF Timer
- Vertical auto swing (Floor/Ceiling only)
- 4-dimension swing (Cassette only)
- Intelligent Deicing
- Auto restart memory (after power failure)
- Cold air prevention in heating
- Self diagnostic (Error indications) for ease of maintenance
- Available in 1 or 3 phases (depend of models)
- Remote control RC8
 - Low power battery indication
 - I FEEL function
- Wired Remote control
- Centralized control up to 16 units including weekly timer (Optional)
- Optional Water pump for ducted unit (Only DBD-24,36,48)

CAD - YUD

Light Commercial Monosplit - DC Inverter Line

Available matching with CAD



CAD024 to 042



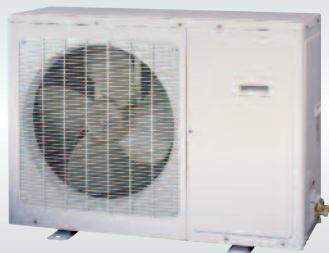
IR remote control



Wired control

		Cassette configuration CAD024 AWSI-CAD024-N11 AWAU-YUD024-H11	Cassette configuration CAD030 AWSI-CAD030-N11 AWAU-YUD030-H11	Cassette configuration CAD036 AWSI-CAD036-N11 AWAU-YUD036-H11	Cassette configuration CAD036 AWSI-CAD036-N11 AWAU-YUD036-H13	Cassette configuration CAD042 AWSI-CAD042-N11 AWAU-YUD042-H13	
Indoor units	Power Supply	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	380-415V-50Hz	380-415V-50Hz	
	COOLING						
	Total Capacity	W 7000(2400-8000)	8600(3000-9100)	9600(3000-11500)	9600(3000-11500)	10800(3500-13000)	
	Power Input	W 2180	2600	3200	3200	3440	
	HEATING						
	Total Capacity	W 8200(3100-9400)	9000(2500-9900)	10500(3500-12800)	10500(3500-12800)	11800(3800-14500)	
	Power Input	W 2400	2490	3150	3150	3450	
	Air Flow Volume (H/M/L)	m³/h 1400/1270/1170	1660/1570/1500	1660/1570/1500	1650/1570/1500	1650/1570/1500	
	External Static Pressure	Pa 0	0	0	0	0	
	Dehumidifying Volume	l/h 2.5	3	3.8	3.8	4.2	
	EER / C.O.P	W 3.21/3.42	3.31/3.61	3.00/3.33	3.00/3.33	3.14/3.42	
	Energy Class	A/B	A/A	B/C	B/C	B/B	
	Fan Motor Speed (H/M/L) Cooling	r/min 670/620/570	710/660/610	710/660/610	710/660/610	710/660/610	
	Heating	r/min 670/620/570	710/660/610	710/660/610	710/660/610	710/660/610	
	Fan Type-Piece	Centrifugal fan -1	Centrifugal fan -1	Centrifugal fan -1	Centrifugal fan -1	Centrifugal fan -1	
Sound Pressure Level (H/M/L) ⁽¹⁾	dB(A) 51/49/48	53/51/48	53/51/48	53/51/48	53/51/48		
Sound Power Level (H/M/L)	dB(A) 61/59/58	63/61/58	63/61/58	63/61/58	63/61/58		
Dimension (W/H/D)	mm 840×240×840	840×320×840	840×320×840	840×320×840	840×320×840		
Dimension of Package (W/H/D)	mm 960×310×960	960×394×960	960×394×960	960×394×960	960×394×960		
Net Weight /Gross Weight	kg 28/36	32/43	32/43	32/43	38/46		
Part number	7SP042214+7ACVF0548	7SP042215+7ACVF0548	7SP042216+7ACVF0548	7SP042216+7ACVF0548	7SP042217+7ACVF0548		
Outdoor units	Compressor Type	Twin ROTARY	Twin ROTARY	Twin ROTARY	Twin ROTARY	Twin ROTARY	
	Refrigerant Control	EEV	EEV	EEV	EEV	EEV	
	Working Temp Range-Cooling	°C 18-48	18-48	18-48	18-48	18-48	
	Working Temp Range-Heating	°C -7-24	-7-24	-7-24	-7-24	-7-24	
	Fan Motor Speed (rpm)	780	780	820	820	820	
	Air Flow Volume of Outdoor Unit	m³/h 4200	4200	6000	6000	6000	
	Fan Type-Piece	Axial fan-1	Axial fan-1	Axial fan-1	Axial fan-1	Axial fan-1	
	Sound Pressure Level (H/M/L) ⁽¹⁾	dB(A) 59	59	61	61	61	
	Sound Power Level (H/M/L)	dB(A) 69	69	70	70	70	
	Dimension (W/H/D)	mm 980×790×427	980×790×427	1107×1100×440	1107×1100×440	1107×1100×440	
	Dimension of Package (L/W/H)	mm 1080×840×485	1080×840×485	1155×1220×490	1155×1220×490	1155×1220×490	
	Net Weight /Gross Weight	kg 65/70	68/74	86/97	95/100	98/103	
	Refrigerant Charge	kg 2.4	2.6	3.5	3.5	3.8	
	Part number	7SP061787	7SP061788	7SP061789	7SP061790	7SP61806	
	Connection pipe	Length of free charge	m 5	5	5	5	5
Gas additional charge		g/m 60	60	60	60	60	
Liquid Pipe		inch 3/8"	3/8"	3/8"	3/8"	3/8"	
Gas Pipe		inch 5/8"	5/8"	5/8"	5/8"	5/8"	
Maximum vertical Height		m 15	15	15	15	30	
Maximum Pipe Length		m 30	30	30	30	50	
Loading quantity	40' Container	64	49	46	46	46	
	40' High Cube Container	71	69	49	49	69	
Electrical data	Power supply side (Indoor/Outdoor)	Indoor & outdoor	Indoor & outdoor	Indoor & outdoor	Indoor & outdoor	Indoor & outdoor	
	Power cable section - Outdoor	mm² 3x4.0	3x4.0	3x4.0	5x2.5	5x2.5	
	Power cable section - Indoor	mm² 3x1.5	3x1.5	3x1.5	3x1.5	3x1.5	
	Fuse rating am (Indoor / Outdoor)	A 10A/20A	10A/25A	10A/32A	10A/16A	10A/20A	
	Electrical connections IDU-ODU	mm² 2x0.75	2x0.75	2x0.75	2x0.75	2x0.75	

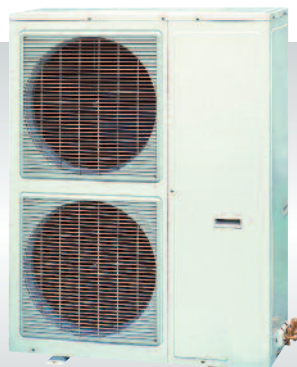
(1) Sound pressure level measured at 1.0-meter distance from unit.
 Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).
Conditions: Nominal cooling capacity: ID/OD (27/19/35/24)
 Nominal heating capacity: ID/OD(20/15/7/6)



YUD024-030



YUD042



YUD048-060

DBD - YUD

Light Commercial Monosplit - DC Inverter Line

Available matching with DBD



DBD024 to 060



IR remote control



Wired control

		Ducted conf. DBD024 AWSI-DBD024-N11 AWAU-YUD024-H11	Ducted conf. DBD030 AWSI-DBD030-N11 AWAU-YUD030-H11	Ducted conf. DBD036 AWSI-DBD036-N11 AWAU-YUD036-H11	Ducted conf. DBD036 AWSI-DBD036-N11 AWAU-YUD036-H13	Ducted conf. DBD048 AWSI-DBD048-N11 AWAU-YUD048-H13	Ducted conf. DBD060 AWSI-DBD060-N11 AWAU-YUD060-H13
Indoor units	Power Supply	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	380-415V~50Hz	380-415V~50Hz	380-415V~50Hz
Outdoor units	COOLING						
	Total Capacity	W 6600(2000-7700)	7800(2700-8300)	9900(3500-11500)	9900(3500-11500)	13200(4900-14100)	15000(6000-17500)
	Power Input	W 2050	2600	3300	3300	4400	5170
	HEATING						
	Total Capacity	W 7200(2400-8000)	8200(2000-9300)	11100(3800-12800)	11000(3800-12800)	15500(5300-18300)	17300(6000-18800)
	Power Input	W 2100	2400	3050	3050	4290	5120
	Air Flow Volume (H/M/L)	m ³ /h 1500/1400/1250	1500/1400/1250	2300/2110/1850	2300/2110/1850	2600/2200/1800	3150/2800/2200
	External Static Pressure	Pa 50(0-100)	50(0-100)	50(0-150)	50(0-150)	50(0-150)	50(0-150)
	Dehumidifying Volume	l/h 2.3	2.5	3.5	3.5	4.5	5
	EER / C.O.P	W 3.21/3.41	3.00/3.42	3.00/3.61	3.00/3.61	3.00/3.61	2.90/3.38
	Energy Class	A/B	B/B	B/A	B/A	B/A	C/C
	Fan Motor Speed (H/M/L) Cooling	r/min 1250/1220/1060	1250/1220/1060	1320/1090/910	1320/1090/910	1320/1090/910	930/830/650
	Heating	r/min 1250/1220/1060	1250/1220/1060	1320/1090/910	1320/1090/910	1320/1090/910	930/830/650
	Fan Type-Piece	Centrifugal fan-2	Centrifugal fan-2	centrifugal fan-2	centrifugal fan-2	Centrifugal fan-2	Centrifugal fan-2
	Sound Pressure Level (H/M/L) ⁽¹⁾	dB(A) 47/44/42	47/44/52	53/50/46	53/50/46	56/53/49	57/54/51
	Sound Power Level (H/M/L)	dB(A) 57/54/52	57/54/52	63/60/56	63/60/56	66/63/59	67/64/61
	Dimension (W/H/D)	mm 1270x268x530	1270x268x530	1226x290x775	1226x290x775	1226x330x815	1226x330x788
	Dimension of Package (W/H/D)	mm 1345x283x594	1345x283x594	1335x305x834	1335x305x834	1335x345x882	1335x345x882
	Net Weight /Gross Weight	kg 36/43	40/46	57/67	57/67	66/76	66/76
	Part number	7SP032122	7SP032123	7SP032124	7SP032125	7SP032125	7SP032126
Outdoor units	Compressor Type	Twin ROTARY	Twin ROTARY	Twin ROTARY	Twin ROTARY	Twin ROTARY	SCROLL
	Refrigerant Control	EEV	EEV	EEV	EEV	EEV	EEV
	Working Temp Range-Cooling	°C 18-48	18-48	18-48	18-48	18-48	18-48
	Working Temp Range-Heating	°C -7-24	-7-24	-7-24	-7-24	-7-24	-7-24
	Fan Motor Speed (rpm)	780	780	820	820	690	800
	Air Flow Volume of Outdoor Unit	m ³ /h 4200	4200	6000	6000	7200	7200
	Fan Type-Piece	Axial fan-1	Axial fan-1	Axial fan-1	Axial fan-1	Axial fan-2	Axial fan-2
	Sound Pressure Level (H/M/L) ⁽¹⁾	dB(A) 59	59	61	61	65	65
	Sound Power Level (H/M/L)	dB(A) 69	69	70	70	75	75
	Dimension (W/H/D)	mm 980x790x427	980x790x427	1107x1100x440	1107x1100x440	1085x1365x427	1085x1365x427
	Dimension of Package (L/W/H)	mm 1080x840x485	1080x840x485	1155x1220x490	1155x1220x490	1140x1490x475	1140x1490x475
	Net Weight /Gross Weight	kg 65/70	68/74	86/97	86/97	122/128	138/150
	Refrigerant Charge	kg 2.4	2.6	3.5	3.5	4.3	5.5
	Part number	7SP061787	7SP061788	7SP061789	7SP061790	7SP061791	7SP061792
Connection pipe	Length of free charge	m 5	5	5	5	5	5
	Gas additional charge	g/m 60	60	60	60	120	60
	Liquid Pipe	inch 3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe	inch 5/8"	5/8"	5/8"	5/8"	5/8"	3/4"
	Maximum vertical Height	m 15	15	15	15	30	30
	Maximum Pipe Length	m 30	30	30	30	50	50
Loading quantity	40' Container	73	76	46	46	46	40
	40' High Cube Container	85	89	49	49	49	48
Electrical data	Power supply side (Indoor/Outdoor)	Indoor & outdoor	Indoor & outdoor	Indoor & outdoor	Indoor & outdoor	Indoor & outdoor	Indoor & outdoor
	Power cable section - Outdoor	mm ² 3x4.0	3x4.0	3x4.0	5x2.5	5x4.0	5x4.0
	Power cable section - Indoor	mm ² 3x1.5	3x1.5	3x1.5	3x1.5	3x1.5	3x1.5
	Fuse rating am (Indoor / Outdoor)	A 10A/20A	10A/25A	10A/32A	10A/16A	10A/25A	10A/25A
	Electrical connections IDU-ODU	mm ² 2x0.75	2x0.75	2x0.75	2x0.75	2x0.75	2x0.75

(1) Sound pressure level measured at 1.0-meter distance from unit.

Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

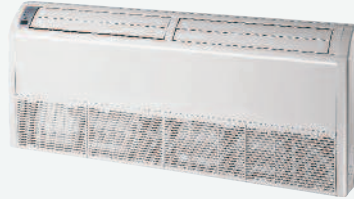
Conditions: Nominal cooling capacity: ID/OD (27/19/35/24)

Nominal heating capacity: ID/OD(20/15/7/6)

FAD - YUD

Light Commercial Monosplit - DC Inverter Line

Available matching with FAD



FAD024 to 048



IR remote control



Wired control

		Floor-Ceiling conf. FAD024 AWSI-FAD024-N11 AWAU-YUD024-H11	Floor-Ceiling conf. FAD030 AWSI-FAD030-N11 AWAU-YUD030-H11	Floor-Ceiling conf. FAD036 AWSI-FAD036-N11 AWAU-YUD036-H11	Floor-Ceiling conf. FAD036 AWSI-FAD036-N11 AWAU-YUD036-H13	Floor-Ceiling conf. FAD048 AWSI-FAD048-N11 AWAU-YUD048-H13	
Indoor units	Power Supply	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	380-415V-50Hz	380-415V-50Hz	
	COOLING						
	Total Capacity	W 6600(3000-7800)	8600(3100-9490)	10000(3500-13000)	10000(3500-13000)	13200(5000-14300)	
	Power Input	W 2050	2600	3320	3220	4110	
	HEATING						
	Total Capacity	W 7600(2400-8500)	9000(2700-9900)	11000(3500-12500)	11000(3500-12500)	15500(5300-18400)	
	Power Input	W 2200	2490	3050	3050	4290	
	Air Flow Volume (H/M/L)	m ³ /h 1200/1000/880	1600/1400/1200	2000/1630/1520	2000/1630/1520	2000/1800/1600	
	External Static Pressure	Pa 0	0	0	0	0	
	Dehumidifying Volume	l/h 2.5	3	3.8	3.8	5	
	EER / C.O.P	W 3.22/3.45	3.31/3.61	3.01/3.61	3.01/3.61	3.21/3.61	
	Energy Class	A/B	A/A	B/A	B/A	A/A	
	Fan Motor Speed (H/M/L) Cooling	r/min 1200/1000/880	1000/920/820	1280/1140/980/920	1280/1140/980/920	1500/1350/1190/1050	
	Heating	r/min 1200/1000/880	1000/920/820	1280/1140/980/920	1280/1140/980/920	1500/1350/1190/1050	
	Fan Type-Piece	Centrifugal fan-4	Centrifugal fan-4	Centrifugal fan-4	Centrifugal fan-4	Centrifugal fan-4	
Sound Pressure Level (H/M/L) ⁽¹⁾	dB(A) 52/49/46	50/48/46	54/51/48	54/51/48	58/55/52		
Sound Power Level (H/M/L)	dB(A) 62/59/56	60/58/56	64/61/58	64/61/58	68/65/62		
Dimension (W/H/D)	mm 980x266x721	1420x245x700	1420x245x700	1420x245x700	1700x245x700		
Dimension of Package (W/H/D)	mm 1120x323x795	1545x330x825	1545x330x825	1545x330x825	1825x330x825		
Net Weight /Gross Weight	kg 43/51	51/58	53/61	53/61	65/73		
Part number	7SP012188	7SP012189	7SP012190	7SP012190	7SP012191		
Outdoor units	Compressor Type	Twin ROTARY	Twin ROTARY	Twin ROTARY	Twin ROTARY	SCROLL	
	Refrigerant Control	EEV	EEV	EEV	EEV	EEV	
	Working Temp Range-Cooling	°C 18-48	18-48	18-48	18-48	18-48	
	Working Temp Range-Heating	°C -7-24	-7-24	-7-24	-7-24	-7-24	
	Fan Motor Speed (rpm)	780	780	820	820	690	
	Air Flow Volume of Outdoor Unit	m ³ /h 4200	4200	6000	6000	7200	
	Fan Type-Piece	Axial fan-1	Axial fan-1	Axial fan-1	Axial fan-1	Axial fan-2	
	Sound Pressure Level (H/M/L) ⁽¹⁾	dB(A) 59	59	61	60	65	
	Sound Power Level (H/M/L)	dB(A) 69	69	70	70	75	
	Dimension (W/H/D)	mm 980x790x427	980x790x427	1107x1100x440	1107x1100x440	1085x1365x427	
	Dimension of Package (L/W/H)	mm 1080x840x485	1080x840x485	1155x1220x490	1155x1220x490	1140x1490x475	
	Net Weight /Gross Weight	kg 65/70	68/74	86/97	95/100	122/128	
	Refrigerant Charge	kg 2.4	2.6	3.5	3.5	4.3	
	Part number	7SP061787	7SP061788	7SP061789	7SP061790	7SP061791	
	Connection pipe	Length of free charge	m 5	5	5	5	5
Gas additional charge		g/m 60	60	60	60	60	
Liquid Pipe		inch 3/8"	3/8"	3/8"	3/8"	3/8"	
Gas Pipe		inch 5/8"	5/8"	5/8"	5/8"	5/8"	
Maximum vertical Height		m 15	15	15	15	30	
Maximum Pipe Length	m 30	30	30	30	50		
Loading quantity	40' Container	70	57	46	46	46	
	40' High Cube Container	86	67	49	49	50	
Electrical data	Power supply side (Indoor/Outdoor)	Indoor & outdoor	Indoor & outdoor	Indoor & outdoor	Indoor & outdoor	Indoor & outdoor	
	Power cable section - Outdoor	mm ² 3x2.5	3x4.0	3x4.0	5x2.5	5x4.0	
	Power cable section - Indoor	mm ² 3x1.5	3x1.5	3x1.5	3x1.5	3x1.5	
	Fuse rating am (Indoor / Outdoor)	A 10A/20A	10A/25A	10A/32A	10A/16A	10A/25A	
	Electrical connections IDU-ODU	mm ² 2x0.75	2x0.75	2x0.75	2x0.75	2x0.75	

(1) Sound pressure level measured at 1.0-meter distance from unit.
Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).
Conditions: Nominal cooling capacity: ID/OD (27/19//35/24)
Nominal heating capacity: ID/OD(20/15//7/6)

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