DBDE

DUCTED MEDIUM STATIC PRESSURE MONO

- Ducted line available in capacities from 7 up to 17 kW.
- Cooling & heating operation mode.
- DC Inverter and sine wave compressor drive technology.
- “I feel” function with precise room temperature control.
- Available in 3PH from 10 kW.

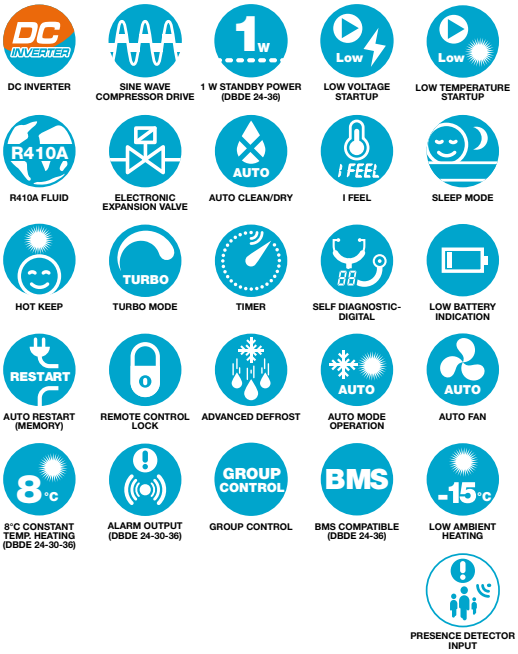
RC08A

RCWE for DBDE024-036
RCW3 for DBD048-060

RCW4
(optional)

PRODUCT ADVANTAGES

- Wired and wireless remote controls provided as standard.
- Self diagnostic (error indications) for ease of maintenance.
- Operating in ambient temperature, up to -15°C in heating and -15°C in cooling.
- Centralized controller up to 16 units including weekly timer (optional).



ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Additional accessory required	Function
RCW-4	7ACEL1613		Wired group control.		- Control up to 16 indoor unit as a group or individualy. - Option to set in each indoor unit ON/OFF, set temperature, timer (daily and weekly), mode, fan speed and swing. - Indicating failure code.

DBDE TECHNICAL DATA

Indoor units		AWSI-DBDE024-N11	AWSI-DBDE030-N11	AWSI-DBDE036-N11	AWSI-DBD048-N11	AWSI-DBD060-N11
Outdoor units 1~230V - 50 Hz		AWAU-YUDE024-H11	AWAU-YUDE030-H11	AWAU-YUDE036-H11		
Outdoor units 3~400V - 50 Hz				AWAU-YUDE036-H13	AWAU-YUD048-H13	AWAU-YUD060-H13
COOLING						
Capacity	**kW**	**7.0**	**8.5**	**10.0**	**14.0 (4.9-14.1)**	**17.0 (4.0-17.5)**
Pdesignc	**kW**	**7.0**	**8.5**	**10.0**		
Input power	kW	2.05	2.60	3.30	4.37	5.30
SEER/Energy Label		5.1/A	5.1/A	5.1/A	3.20/A	3.21/A
Operating limits	°C	-15°/48° Dry bulb				
HEATING						
Capacity	**kW**	**7.6**	**9.0**	**11.0**	**16.5 (5.3-18.3)**	**18.0 (5.0-18.8)**
Pdesignh	**kW**	**7.2**	**7.5**	**9.0**		
Input power	kW	2.30	2.50	3.50	4.58	5.00
SCOP/Energy Label		3.8/A	3.8/A	3.8/A	3.60/A	3.60/A
Operating limits	°C	-15°/24° Dry bulb				
INDOOR UNIT						
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	42/44/47	42/44/47	46/50/53	49/53/56	51/54/57
Sound power level (LS/MS/HS)	dB(A)	52/54/57	52/54/57	56/60/63	59/63/66	61/64/67
Airflow (LS/MS/HS)	m^3/h	1200/1400/1500	1200/1400/1500	1800/1900/2000	1800/2200/2600	2200/2800/3150
External static pressure Range	Pa	25 (0-100)	37 (0-100)	37 (0-150)	50 (0-150)	50 (0-150)
Dehumidification	l/h	2.3	2.5	3.5	4.5	5
Outline Dimensions (WxHxD)	mm	1270x530x268	1270x530x268	1226x775x290	1226x788x330	1463x799x385
Package Dimensions (WxHxD)	mm	1348x597x283	1348x597x283	1338x877x305	1338×925×345	1543×883×470
Net Weight/Gross Weight	kg	34/41	36/41	57/67	64/73	87/115
Part number		**7SP032141**	**7SP032140**	**7SP032139**	**7SP032125**	**7SP032126**
OUTDOOR UNIT						
Sound pressure level to 1 m	dB(A)	59	59	61	61	63
Sound power level	dB(A)	69	69	71	71	73
Airflow	m^3/h	4000	4000	5300	7200	7200
Compressor type		Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline Dimensions (WxHxD)	mm	980x790x427	980x790x427	1107x1100x440	1085x1365x427	1085x1365x427
Package Dimensions (WxHxD)	mm	1083x855x488	1083x855x488	1158x1235x493	1143×1505×478	1143×1505×478
Net Weight/Gross Weight	kg	65/70	68/74	95/105	116/128	118/130
Part number 1~230V - 50 Hz		**7SP062807**	**7SP062808**	**7SP062809**		
Part number 3~400V - 50 Hz				**7SP062810**	**7SP062791**	**7SP062792**
POWER SUPPLY 1~230V - 50 HZ						
Power supply side		Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor		
Power cable section	mm^2	3x1.5 - 3x4.0	3x1.5 - 3x4.0	3x1.5 - 3x4.0		
Fuse rating am	A	10 - 20	10 - 25	10 - 32		
Electrical connections	mm^2	2x0.75	2x0.75	2x0.75		
POWER SUPPLY 3~400V - 50 HZ						
Power supply side				Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm^2			3x1.5 - 5x2.5	3x1.5 - 5x4.0	3x1.5 - 5x4.0
Fuse rating am	A			10 - 16	10 - 25	10 - 25
Electrical connections	mm^2			2x0.75	2x0.75	2x0.75
PIPE LINE						
Suction pipe diameter	inches	5/8”	5/8”	5/8”	5/8”	3/4”
Liquid pipe diameter	inches	3/8”	3/8”	3/8”	3/8”	3/8”
Max length	m	30	30	30	50	50
Max height	m	15	15	15	30	30

AIRWELL SOLUTIONS