

Airwell

■ Just feel well

DLS [ECODESIGN]
DLS+VAV

Ducted medium static pressure mono & premium multi / DC Inverter



[EC COMPLY]



For DLS 18-24-30-36



RC7

[EC COMPLY] Comply with ECO Design regulation

Airwell Residential

AIRWELL ■ ELECTRA ■ JOHNSON

[PRODUCT RANGE]



- Flexy Match DLS ducted 5/7/8/10/12KW.
- Most advanced ducted unique line with comprehensive horizontal fan design.
- Two options of VAV dampers rectangular or round type.
- Motorized damper with DC step motor for accurate damper position.



[ENERGY AND COST SAVING]



- Simple application cost compare to Multi or mini VRF.
- Two levels of energy saving:
Level A- By the inverter system follow the area load.
Level B- By adjusting the air flow and eliminate load from non used rooms.

[EASY INSTALLATION]



- Simple wiring connection by connectors and set up. ⁽¹⁾
- Pre charge system with tubing up to 70M.
- Standard indoor unit.
- Option to locate the control box beside the unit.
- Water pump and over flow switch build in

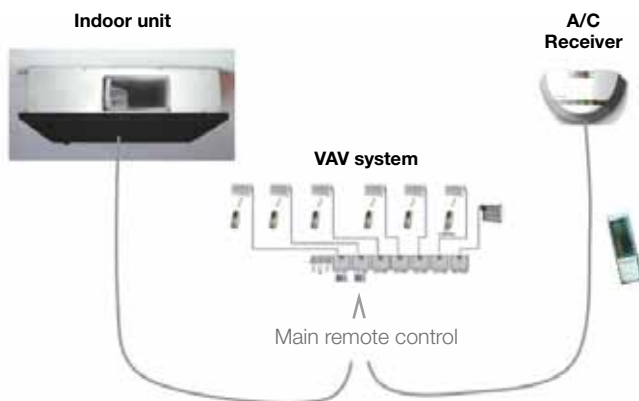
[ZONE CONTROL FUNCTION]



- Each zone has a stand alone remote control, to control temperature, I Feel and ON/OFF
- Option to define automatic damper movement or manually to keep max opening position.
- I Feel function to measure local temperature.
- Stop the system while all rooms reach the set temperatures and change the motor speed to low load ⁽²⁾
- By pass damper operate according to system load, the damper position logic has an option to set up a different logic formula.
- Auto deducting of operating mode cooling or heating for damper control logic

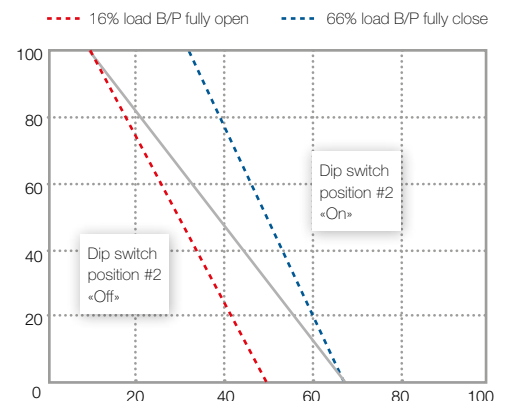
(1)

[VERY SIMPLE INSTALLATION]



(2)

[BY PASS DAMPER OPERATION]



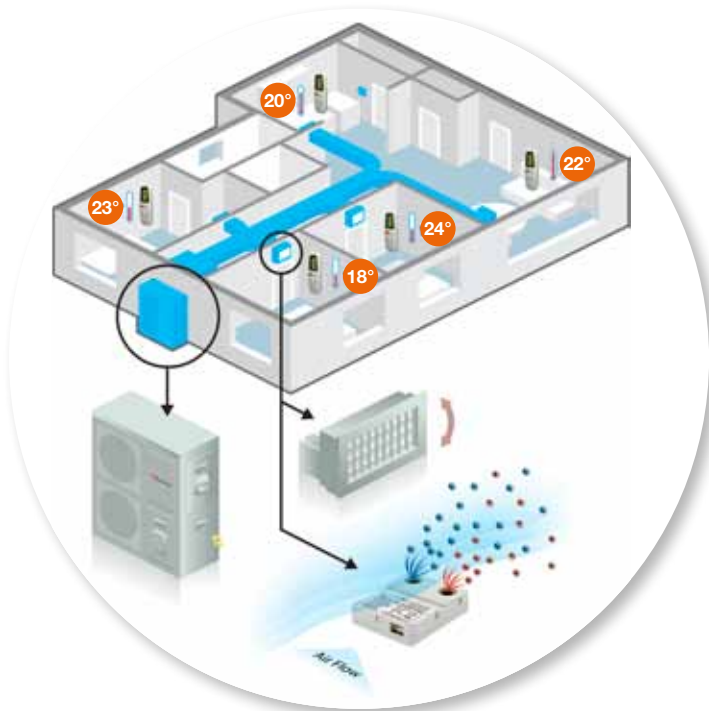
DLS

Ducted medium static pressure mono & premium multi / DC Inverter

[EC COMPLY]

FUNCTIONS

- > Ducted line available in capacities from 5 up to 12.5 kW.
- > Cooling & heating operation mode.
- > Wireless remote control included with option of wired control.
- > "I feel" function with precise room temperature control.



PRODUCT ADVANTAGES

- > Quiet operation by using special aerodynamic centrifugal fan.
- > Unit is equipped with water pump and overflow switch protector.
- > Space saving due to low unit height and compact dimensions.
- > Tubing length up to 50 m and different height of 25 m.
- > External static pressure up to 100 Pa.

FLEXY MATCH	AA CLASS EFFICIENCY	DC INVERTER	SINE WAVE COMPRESSOR DRIVE	LOW VOLTAGE STARTUP
LOW TEMPERATURE STARTUP	R410A FLUID	VAV COMPATIBILITY	ELECTRONIC EXPANSION VALVE	I FEEL
SLEEP MODE	SUPER QUIET	HOT KEEP	TURBO MODE	24 H PROGRAMMABLE TIMER
TIMER	SELF DIAGNOSTIC-LED	SELF DIAGNOSTIC-DIGITAL	LOW BATTERY INDICATION	AUTO RESTART (MEMORY)
REMOTE CONTROL LOCK	COMPACT DESIGN	ADVANCED DEFROST	AUTO MODE OPERATION	AUTO FAN
WIRED CONTROL OPTION	ALARM OUTPUT	PRESENCE DETECTOR INPUT	GROUP CONTROL	BMS COMPATIBLE
SERVICE MONITOR TOOL	POWER CONSUMPTION CONTROL	WIRED REMOTE CONTROL DIAGNOSTIC	OUTDOOR UNIT DIGITAL DIAGNOSTIC	OUTDOOR UNIT NIGHT MODE DRY CONTACT (DLS 24-30-36)
OUTDOOR UNIT STAND-BY (DLS 24-30-36)	OUTDOOR UNIT ALARM OUTPUT (DLS 24-30-36)	TECHNICIAN TEST MODE	LOW AMBIENT COOLING	LOW AMBIENT HEATING

DLS

Ducted medium static pressure
mono & premium multi / DC Inverter



RCW2
(optional)

[EC COMPLY]



[TECHNICAL DATA]

Indoor units		DLS 18 DCI R410A AW	DLS 24 DCI R410A AW	DLS 30 DCI R410A AW	DLS 36 DCI R410 AW		DLS 43 DCI R410 AW	
Outdoor units		AWAU- YBDE018-H11	AWAU- YBDE024-H11	AWAU- YBDE030-H11	AWAU- YBD036-H11	AWAU- YAD036-H13	AWAU- YBD042-H11	AWAU- YAD042-H13
COOLING								
Rated Capacity	kW	5.0 (2.3-5.9)	6.8 (1.7-7.4)	7.5 (2.8-8.4)	8.5 (2.8-11.2)	10.0 (4.8-12.5)	12.5 (4.5-14.5)	12.5 (4.5-14.5)
Pdesignc	kW	5.0	6.8	7.5	8.5	10.0	-	-
Input power	kW	1.39	1.87	2.29	2.49	2.84	3.73	3.56
SEER/Energy Label		4.25/C	4.75/C	4.48/C	4.21/C	3.99/C	3.35/A	3.51/A
Operating limits	°C	-10°/46° Dry bulb						
HEATING								
Rated Capacity	kW	5.6 (1.9-7.5)	7.6 (1.8-8.5)	8.6 (2.8-9.4)	10.5 (2.7-12.5)	11.6 (4.9-12.5)	14.0 (4.5-16.0)	14.0 (4.5-16.0)
Pdesignh		5.5	7.5	8.6	10.2	11.2	-	-
Input power	kW	1.59	2.08	2.52	2.64	3.10	4.1	3.99
SCOP/Energy Label		3.40/A	3.49/A	3.58/A	3.50/A	3.54/A	3.41/B	3.51/B
Operating limits	°C	-15°/24° Dry bulb						
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	34/37/42	38/43/47	40/44/48	47/49/52	47/49/52	47/49/52	47/49/52
Sound power level (LS/MS/HS)	dB(A)	50/53/55	55/60/65	54/60/63	55/60/65	55/60/65	55/660/65	55/60/65
Airflow (LS/MS/HS)	m³/h	720/920/1145	870/1115/1310	935/1150/1320	1210/1500/1750	1210/1500/1750	1250/1450/2025	1250/1450/2025
Dehumidification	l/h	1.5	1.5	1.8	3.3	3.5	3.3	3.8
Outline Dimensions (WxHxD)	mm	790x256x749	790x256x749	790x256x749	854x297x816	854x297x816	854x297x816	854x297x816
Package Dimensions (WxHxD)	mm	960x300x855	960x300x855	960x300x855	1005x345x915	1005x345x915	1005x345x915	1005x345x915
Net Weight/Gross Weight	kg	29/31.5	31/33.5	31/33.5	33/35.5	33/35.5	33/35.5	33/35.5
Part number		7SP022403	7SP022405	7SP022406	7SP032086	7SP032086	7SP032087	7SP032087
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	53	55	56	58	58	58	58
Sound power level	dB(A)	65	67	68	69	70	70	70
Airflow	m³/h	2500	2750	3400	4150	5200	5700	5700
Compressor type		Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Scroll DC Inverter	Twin Rotary DC Inverter
Outline Dimensions (WxHxD)	mm	900x700x340	900x700x340	900x860x340	900x970x340	900x1250x340	900x1250x340	900x1250x340
Package Dimensions (WxHxD)	mm	985x730x435	985x730x435	985x905x435	985x1020x435	980x1400x420	980x1400x420	980x1400x420
Net Weight/Gross Weight	kg	56/58.5	61/63.5	66/68.5	85/87.8	110/121	110/121	110/121
Part number 1~230V - 50 Hz		7SP061886	7SP061887	7SP061888	7SP061811		7SP061815	
Part number 3~400V - 50 Hz						7SP061756		7SP061757
POWER SUPPLY 1~230V - 50 HZ								
Power supply side		Indoor/Outdoor	Outdoor	Outdoor	Outdoor		Outdoor	
Power cable section	mm²	3x2.5	3x2.5	3x2.5	3x4.0		3x6.0	
Fuse rating	A	20	20	20	25		32	
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	3x1.5 + 2x0.75		3x1.5 + 2x0.75	
POWER SUPPLY 3~400V - 50 HZ								
Power supply side						Outdoor		Outdoor
Power cable section	mm²					5x2.5		5x2.5
Fuse rating am	A					3x16		3x16
Electrical connections	mm²					3x1.5 + 2x0.75		3x1.5 + 2x0.75
PIPE LINE								
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	30	30	30	70	70	70	70
Max height	m	15	15	15	30	30	30	30