

Airwell

■ *Just feel well*

DLSE [ECODESIGN]
DLSE+VAV

Ducted medium static pressure mono & premium multi / DC Inverter

UPGRADE



New DC motor with high efficiency.



For DLSE 18-24-30-36



RC7

[ECODESIGN] Comply with ECO Design regulation



[PRODUCT RANGE]

- Flexy Match DLSE 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 compared 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 airflow 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 70 m.
- Standard indoor unit.
- Option to locate the control box besides the unit.
- Water pump and over flow switch built in.

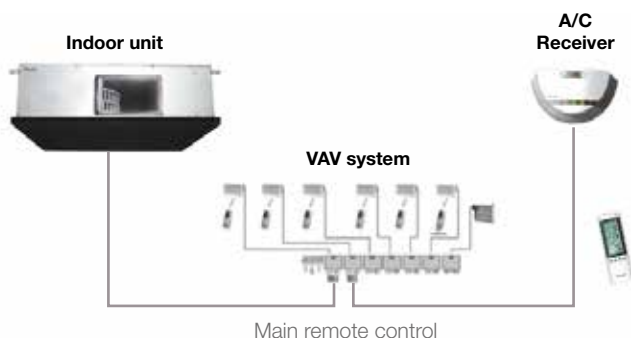
[ZONE CONTROL FUNCTION]



- 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.

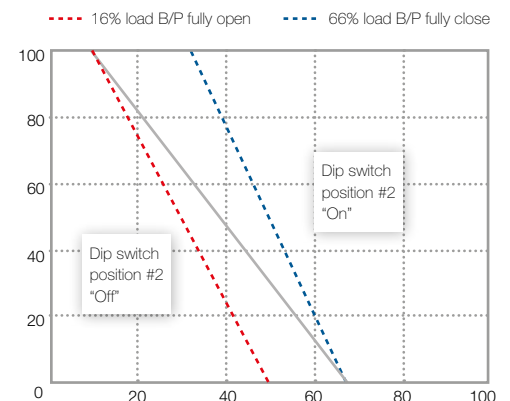
(1)

[VERY SIMPLE INSTALLATION]



(2)

[BY-PASS DAMPER OPERATION]

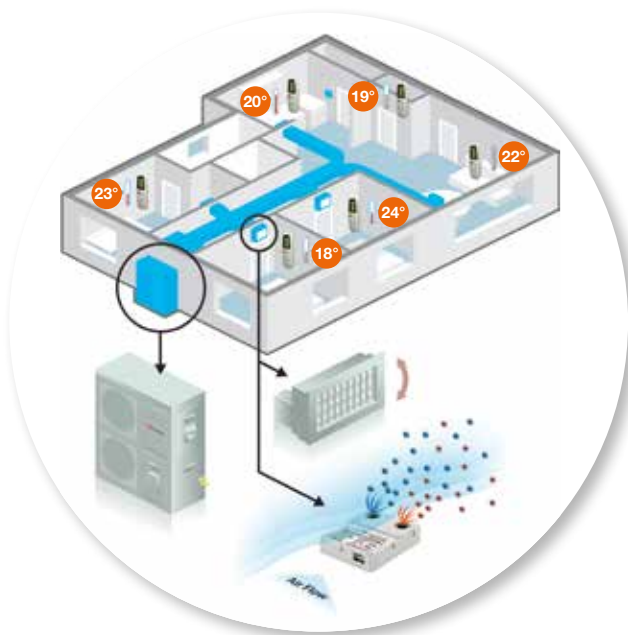


DLSE

Ducted medium static pressure mono & premium multisplit / DC Inverter

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 aerodynamic centrifugal fan.
- > Unit 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.
- > Treatment of corrosion on outdoor units and electronic cards.
- > Possibility to reverse dry contact: normally open / normally closed.

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

DLSE

Ducted medium static pressure
mono & premium multisplit / DC Inverter



RCW2
(optional)



[TECHNICAL DATA]

Indoor units		AWSI-DLSE018-N11	AWSI-DLSE024-N11	AWSI-DLSE030-N11	AWSI-DLSE036-N11		DLSE 43 DCI R410 AW	
Outdoor units		AWAU-YBDE018-H11	AWAU-YBDE024-H11	AWAU-YBDE030-H11	AWAU-YBD036-H11	AWAU-YBD036-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)	9.5 (4.8-12.5)	9.5 (4.8-12.5)	12.5 (4.5-14.5)	12.5 (4.5-14.5)
Pdesignnc	kW	5.0	6.8	7.5	9.5	9.5	-	-
Input power	kW	1.22	1.93	2.46	3.31	3.04	3.73	3.56
SEER/Energy label		5.8/A+	5.4/A	5.5/A	5.6/A+	4.7/B	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)
Pdesignnh		5.5	7.5	8.6	9.5	10.5	-	-
Input power	kW	1.35	1.88	2.31	2.80	3.00	4.1	3.99
SCOP/Energy label (average climate)		3.9/A	3.8/A	3.9/A	3.8/A	3.9/A	3.41/B	3.51/B
SCOP/Energy label (warmer climate)		4.6/A+	4.9/A++	4.3/A+	4.6/A+	4.7/A++	-	-
Operating limits	°C	-15°/24° Dry bulb						
Capacity @ -10°C	kW	5.3	5.8	7.1	6.9	8.9	9.3	9.3
Capacity @ -15°C	kW	4.7	5.2	6.3	6.2	8.0	8.3	8.3
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	35/38/41/43	38/42/45/48	39/43/46/48	41/45/46/48	41/45/46/48	42/46/53	42/46/53
Sound power level (LS/MS/HS/SS)	dB(A)	52/55/58/60	55/59/62/65	56/60/63/65	56/61/63/65	56/61/63/65	57/61/70	57/61/70
Airflow (LS/MS/HS/SS)	m³/h	740/875/1060/1150	870/1090/1220/1410	950/1140/1290/1410	1290/1550/1670/1750	1290/1550/1670/1750	1315/1530/2025	1315/1530/2025
External static pressure Range	Pa	25 (25-60)	25 (25-80)	25 (25-80)	37 (37-100)	37 (37-100)	50 (50-100)	50 (50-100)
Dehumidification	l/h	1.5	2.3	2.7	3.5	4.6	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	30/32.5	31/33.5	33/35.5	33/35.5	33/35.5	33/35.5
Part number		7SP032154	7SP032155	7SP032156	7SP032157	7SP032157	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	69	70	70
Airflow	m³/h	2500	2750	3400	4150	4150	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	900x970x340	900x1250x340	900x1250x340
Package dimensions (WxHxD)	mm	985x730x435	985x730x435	985x905x435	985x1020x435	985x1020x435	980x1400x420	980x1400x420
Net weight/Gross weight	kg	56/58.5	61/63.5	66/68.5	80/82.8	85/87.8	110/121	110/121
Part number 1-230V - 50 Hz		7SP061886	7SP061887	7SP061888	7SP061811	-	7SP061815	-
Part number 3-400V - 50 Hz		-	-	-	-	7SP061900	-	7SP061757
POWER SUPPLY 1-230V - 50 HZ								
Power supply side		Ind. & Out.	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	50	70	70	70	70
Max height	m	15	15	25	30	30	30	30