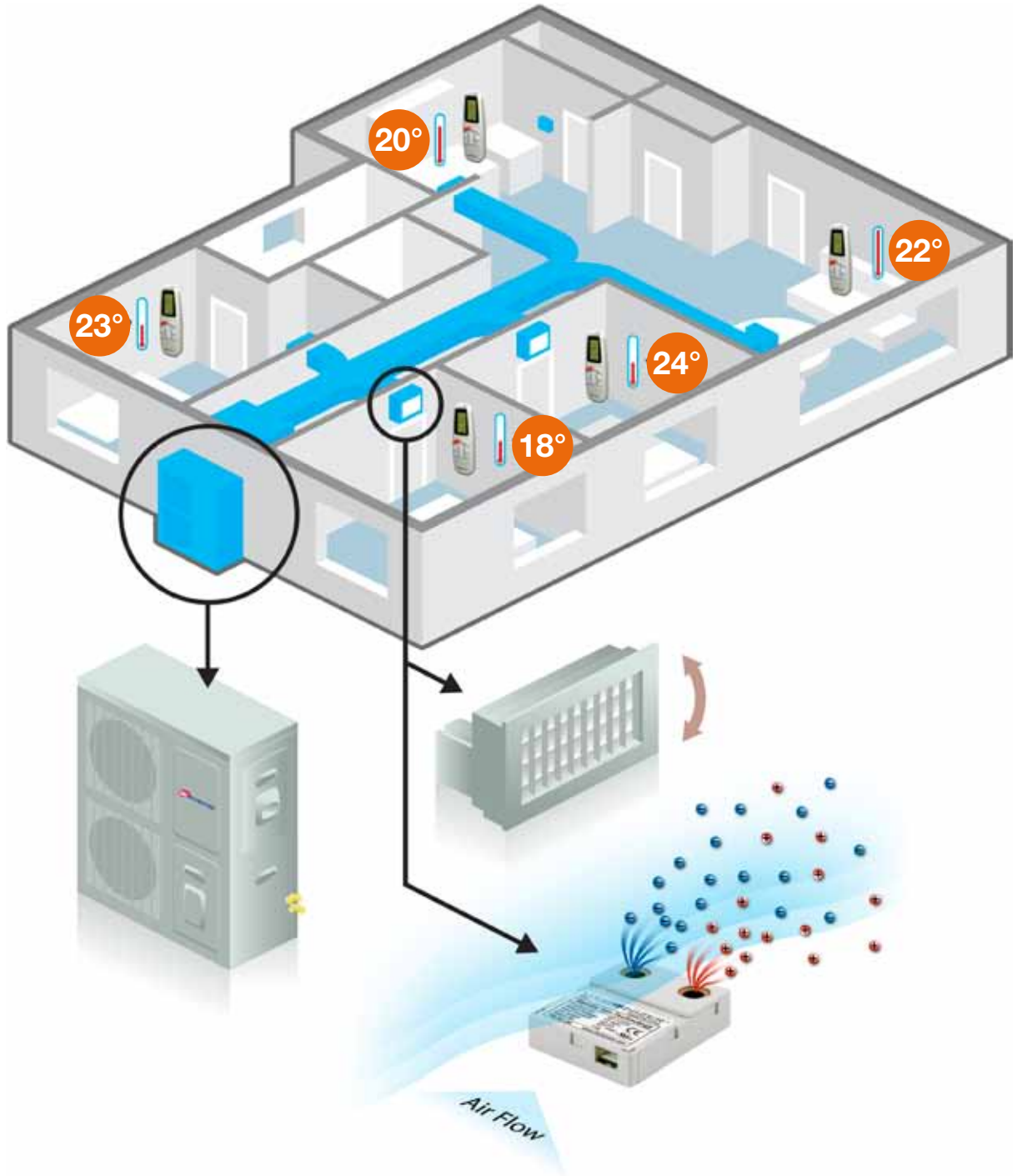




• Unique
• solutions

DLS Plus VAV







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

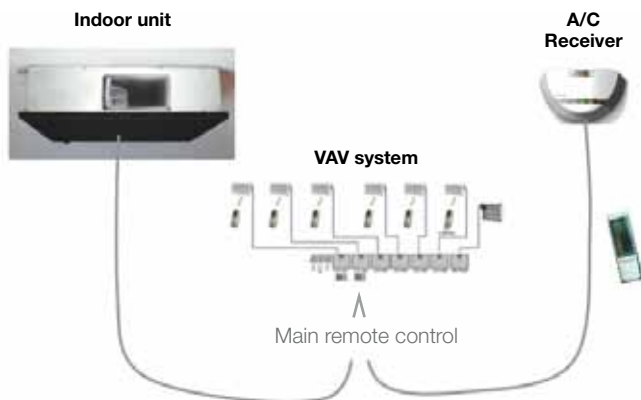


Zone control function

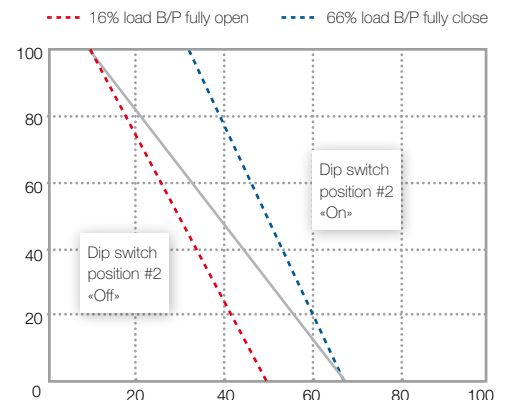
- Each zone has a stand alone remote control, to control temperature, I Feel and ON/OFF
- Option to define automatic damper movement or manually to keep max opening position.
- I Feel function to measure local temperature.
- Stop the system while all rooms reach the set temperatures and change the motor 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

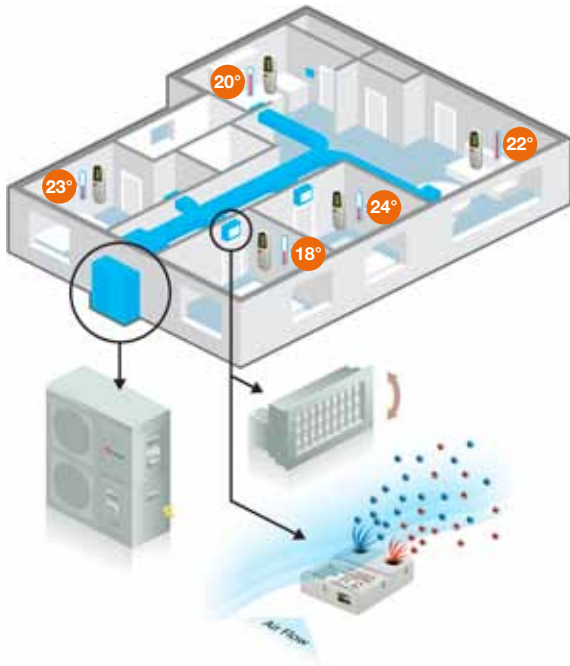


(1) [VERY SIMPLE INSTALLATION]



(2) [BY PASS DAMPER OPERATION]





How to order

- The indoor and outdoor unit are standards Flexy Match.
- For each installation need to select first the damper type, round or rectangular.
- The main controller is identical except the set up that done during the installation.
- Possibility to mix round and rectangular damper.
- Once damper type selected order the grills, by pass damper and the controller follow the below tables.

ROUND TYPE ACCESSORIES

Part Description	Product Code
Main Controller VAV Kit	7ACEL1641
Motorized Round Damper (D=150mm) Kit	7ACEL1648
Motorized Round Damper (D=200mm) Kit	7ACEL1649
Motorized Round Damper (D=250mm) Kit	7ACEL1650
Motorized ByPass Round Damper (D=200mm) Kit	7ACEL1651
Motorized ByPass Round Damper (D=250mm) Kit	7ACEL1652

RECTANGULAR TYPE ACCESSORIES

Part Description	Product Code
Main Controller VAV Kit	7ACEL1641
Motorized Grill (30cm x 15cm) Kit	7ACEL1642
Motorized Grill (40cm x 15cm) Kit	7ACEL1643
Motorized Grill (50cm x 15cm) Kit	7ACEL1644
Motorized Bypass damper (40cm x 15cm) Kit	7ACEL1645
Motorized Bypass damper (50cm x 15cm) Kit	7ACEL1646
Duct Frame profile for grille 150mm	7ACVF0551
Duct Frame profile for grille 300mm	7ACVF0552
Duct Frame profile for grille 400mm	7ACVF0553
Duct Frame profile for grille 500mm	7ACVF0554



DLS
DLS+VAV

Unique solutions



DUCTED MEDIUM STATIC PRESSURE
MONO & PREMIUM MULTI

- 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.



RC7



RCW2 (optional)

- FLEXY MATCH
- A/A 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
- 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)
- STBY ODU
- 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

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Additional accessory required	Function
RCW2	7ACEL1212		Wired group control.		- Control up to 32 Indoor unit as a group or individually. - Option to set up to 15 group zones. - Option to set timer (daily and weekly), mode, fan speed and swing.
RCL	7ACEL1447		Simple wired remote control.	CBI-B P/N7ACEL1616	Simple functions as: ON/OFF, operating MODE, temperature UP and DOWN, fan speed selection and room temperature.
CBI-B	7ACEL1616		Communication interface board Heating model only option.	Kit is including cables.	- RS485, RCW2, RCL remote controls. - 1 dry contact input (selecting by dip switches). - Alarm status output (12V DC). - ON/OFF status output (12V DC).

DLS 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	55/66/65	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

AIRWELL SOLUTIONS

