

MFL-R410

FLOW LOGIC 2 PIPES i-410

21 Heat Pump models
From 8 to 48 HP

OUTDOOR UNIT **MFL 80-100-120-140-160 R**



Airwell proposes a new generation of outdoor units with increased performance. Composed of 5 x 8, 10, 12, 14 or 16 HP DC Inverter models, this range enables a capacity range of 48 HP to be covered, by intermixing up to 3 units.

The heat performance has been significantly improved:

- Average COP 3.9 as opposed to 3.4 for the previous range.
- Average EER 3.5 as opposed to 3.1 for the previous range.

The new range proposes sound levels that vary between 55 and 61 dB(A) without a silence mode, making it the quietest on the market.

Finally, the new 2 way Flow Logic can be perfectly inserted into the Airwell VRF range, offering 3 mono-phased 2 way DCI units from 4-6 DV and 5 x 3 way DCI units from 8 - 16CV.

PRODUCT ADVANTAGES

- The whole range is DC Inverter.
- Capacity range from 8 to 48 HP.
- COP can reach 4.1.
- COP average 3.9.
- 15% increase in COP in relation to the previous range.
- 12% increase in EER in relation to the previous range.
- 40 indoor units connectable from 24 HP to only 2 outdoor units.
- Minimum outdoor temperature for heating mode operating -20°C.
- DC Inverter fan.
- Noise levels: 51.5 dB(A)*.
- Power ratio 130%
- Indoor Units Identical to the FLOW LOGIC 3 way and Mini FLOW LOGIC R410A ranges.
- Control device identical to the 3 way FLOW LOGIC and Mini FLOW LOGIC R410A ranges.
- High yield R410A fluid.
- Unit dimensions optimised.
- De-icing between outdoor units.
- Lead lag operating to maintain equal operating time.
- Total connection length 300 meters.
- Wide range of control systems (Wireless control devices, centralised, simplified, intelligent controller, GTC gateway.)



MFL-R410 - 2 pipes

			MFL 80R-3R410	MFL 100R-3R410	MFL 120R-3R410	MFL 140R-3R410	MFL 160R-3R410
Cooling	Capacity	kW	22,4	28	33,5	40	45
	Input power	kW	6,0	7,9	9,6	11,6	13,3
	EER		3,74	3,54	3,5	3,4	3,4
	Outdoor temperature operating limits	°C	-10°C/+43°C Dry Bulb	-10°C/+43°C Dry Bulb	-10°C/+43°C Dry Bulb	-10°C/+43°C Dry Bulb	-10°C/+43°C Dry Bulb
Heating	Capacity	kW	25	31,5	37,5	45	50
	Input power	kW	6,2	7,8	9,6	11,5	13,2
	COP		4	4	3,9	3,9	3,8
	Outdoor temperature operating limits	°C	-20°C/+15°C Wet Bulb	-20°C/+15°C Wet Bulb	-20°C/+15°C Wet Bulb	-20°C/+15°C Wet Bulb	-20°C/+15°C Wet Bulb
Outdoor unit	Sound pressure level to 1 m (max)	dB(A)	54,5	55	56	60	62
	Acoustic pressure in silent mode	dB(A)	51,5	52	53	58	59
	Air flow	m ³ /h	9000	9600	10800	12000	13200
	Height	mm	1887	1887	1887	1887	1887
	Width	mm	890	890	890	890	890
	Depth	mm	890	890	890	890	890
	Weight	kg	290	295	295	345	345
	Part number 3~400V - 50Hz		7SP14R012	7SP14R013	7SP14R014	7SP14R029	7SP14R030
	Power supply 3~400V-50Hz	Suction pipe diameter	inches	3/4"	7/8"	1"	1"
Liquid pipe diameter		inches	3/8"	3/8"	1/2"	1/2"	1/2"

Outdoor units combinations FLOW LOGIC i-410

Presentation	HP	Models			Part number		
	8		MFL 80R -3R410		7SP14R012		
	10		MFL 100R -3R410		7SP14R013		
	12		MFL 120R -3R410		7SP14R014		
	14		MFL 140R-3R410		7SP14R029		
	16		MFL 160R-3R410		7SP14R030		
	18 (8+10)	MFL 80R -3R410	MFL 100R -3R410		7SP14R012	7SP14R013	
	20 (10+10)	MFL 100R -3R410	MFL 100R -3R410		7SP14R013	7SP14R013	
	22 (10+12)	MFL 100R -3R410	MFL 120R -3R410		7SP14R013	7SP14R014	
	24 (10+14)	MFL 100R -3R410	MFL 140R-3R410		7SP14R013	7SP14R029	
	26 (10+16)	MFL 100R -3R410	MFL 160R-3R410		7SP14R013	7SP14R030	
	28 (12+16)	MFL 120R -3R410	MFL 160R-3R410		7SP14R014	7SP14R030	
	30 (14+16)	MFL 140R-3R410	MFL 160R-3R410		7SP14R029	7SP14R030	
	32 (16+16)	MFL 160R-3R410	MFL 160R-3R410		7SP14R030	7SP14R030	
	34 (10+10+14)	MFL 100R -3R410	MFL 100R -3R410	MFL 140R-3R410	7SP14R013	7SP14R013	7SP14R029
	36 (10+10+16)	MFL 100R -3R410	MFL 100R -3R410	MFL 160R-3R410	7SP14R013	7SP14R013	7SP14R030
	38 (10+12+16)	MFL 100R -3R410	MFL 120R -3R410	MFL 160R-3R410	7SP14R013	7SP14R014	7SP14R030
	40 (10+14+16)	MFL 100R -3R410	MFL 140R-3R410	MFL 160R-3R410	7SP14R013	7SP14R029	7SP14R030
	42 (10+16+16)	MFL 100R -3R410	MFL 160R-3R410	MFL 160R-3R410	7SP14R013	7SP14R030	7SP14R030
	44 (12+16+16)	MFL 120R -3R410	MFL 160R-3R410	MFL 160R-3R410	7SP14R014	7SP14R030	7SP14R030
	46 (14+16+16)	MFL 140R-3R410	MFL 160R-3R410	MFL 160R-3R410	7SP14R029	7SP14R030	7SP14R030
	48 (16+16+16)	MFL 160R-3R410	MFL 160R-3R410	MFL 160R-3R410	7SP14R030	7SP14R030	7SP14R030