

## EFL-3R410

### FLOW LOGIC 3 PIPES 3i-410

21 Heat Pump models  
From 8 to 48 HP

OUTDOOR UNIT EFL 80-100-120-140-160 R



**FLOW LOGIC 3i-410** is a range of variable refrigerant flow solutions for 3 way heating and air-conditioning using the high performance **R410A** fluid. This range is unmatched by anything on the market and can independently pilot up to **40 indoor units** in cooling and heating mode.

The DC Inverter technology means that these systems achieve a **COP of 4** whilst offering ultra silent operation, and a compact footprint.

### PRODUCT ADVANTAGES

- Simultaneous heating and cooling.
- High performance R410A fluid.
- Average COP : 3.88.
- Average EER : 3.44.
- Heat reclaim system.
- DCI Inverter technology on all units (compressor and fan).
- 40 indoor units connectable from 24HP.
- Compact footprint (0.79m<sup>2</sup>).
- Low sound levels up to 5dB (A) in silent mode.
- Innovative defrosting (between outdoor units).
- All units are identical in size.
- Total piping length 300m.
- Power ratio 130%.
- Lead lag operation to maintain equal compressor operating time.
- A single unit for up to 16HP (45kW).



## EFL-3R410 - 3 pipes

			EFL 80R-3R410	EFL 100R-3R410	EFL 120R-3R410	EFL 140R-3R410	EFL 160R-3R410
<b>Cooling</b>	Capacity	kW	22,4	28,0	33,5	40	45
	Input power	kW	5,93	8,12	9,82	11,6	13,3
	EER		3,80	3,50	3,40	3,50	3,4
	Outdoor temperature operating limits	°C	-10°/ 43° Dry Bulb	-10°/ 43° Dry Bulb	-10°/ 43° Dry Bulb	-10°/ 43° Dry Bulb	-10°/ 43° Dry Bulb
<b>Heating</b>	Capacity	kW	25	31,5	37,5	45	50
	Input power	kW	6,11	7,97	9,84	11,5	13,2
	COP		4,10	3,95	3,80	3,90	3,8
	Outdoor temperature operating limits	°C	-20°/ 15° Wet Bulb	-20°/ 15° Wet Bulb	-20°/ 15° Wet Bulb	-20°/ 15° Wet Bulb	-20°/ 15° Wet Bulb
<b>Outdoor unit</b>	Sound pressure level to 1 m (max)	dB(A)	9000	9600	0800	12000	13200
	Acoustic pressure in silent mode	dB(A)	54,5	55	56	60	61
	Air flow	m³/h	51,5	52	53	57	58
	Height	mm	1887	1887	1887	1887	1887
	Width	mm	890	890	890	890	890
	Depth	mm	890	890	890	890	890
	Weight	kg	290	290	290	350	350
	<b>Part number 3-400V - 50Hz</b>		<b>7SP14R018</b>	<b>7SP14R019</b>	<b>7SP14R020</b>	<b>7SP14R021</b>	<b>7SP14R022</b>
<b>Power supply 3-400V-50Hz</b>	Suction pipe diameter	inches	3/4"	7/8"	1"	1"	1 1/8"
	Liquid pipe diameter	inches	5/8"	3/4"	3/4"	7/8"	7/8"
	Liquid tubing diameter	inches	3/8"	3/8"	1/2"	1/2"	1/2"
	Balance pipe	inches	3/8"	3/8"	3/8"	3/8"	3/8"

### Outdoor unit combinations FLOW LOGIC 3i-410

Presentation	HP / combination	1 Group	2 Groups	3 Groups
	<b>8</b>	EFL 80-3R410 Part number 7SP14R018		
	<b>10</b>	EFL 100-3R410 Part number 7SP14R019		
	<b>12</b>	EFL 120-3R410 Part number 7SP14R020		
	<b>14</b>	EFL 140-3R410 Part number 7SP14R021		
	<b>16</b>	EFL 160-3R410 Part number 7SP14R022		
	<b>18 (8+10)</b>	EFL 80-3R410 Part number 7SP14R018	EFL 100-3R410 Part number 7SP14R019	
	<b>20 (10+10)</b>	EFL 100-3R410 Part number 7SP14R019	EFL 100-3R410 Part number 7SP14R019	
	<b>22 (10+12)</b>	EFL 100-3R410 Part number 7SP14R019	EFL 120-3R410 Part number 7SP14R020	
	<b>24 (10+14)</b>	EFL 100-3R410 Part number 7SP14R019	EFL 140-3R410 Part number 7SP14R021	
	<b>26 (10+16)</b>	EFL 100-3R410 Part number 7SP14R019	EFL 160-3R410 Part number 7SP14R022	
	<b>28 (12+16)</b>	EFL 120-3R410 Part number 7SP14R020	EFL 160-3R410 Part number 7SP14R022	
	<b>30 (14+16)</b>	EFL 140-3R410 Part number 7SP14R021	EFL 160-3R410 Part number 7SP14R022	
	<b>32 (16+16)</b>	EFL 160-3R410 Part number 7SP14R022	EFL 160-3R410 Part number 7SP14R022	
	<b>34 (10+10+14)</b>	EFL 100-3R410 Part number 7SP14R019	EFL 100-3R410 Part number 7SP14R019	EFL 140-3R410 Part number 7SP14R021
	<b>36 (10+10+16)</b>	EFL 100-3R410 Part number 7SP14R019	EFL 100-3R410 Part number 7SP14R019	EFL 160-3R410 Part number 7SP14R022
	<b>38 (10+12+16)</b>	EFL 100-3R410 Part number 7SP14R019	EFL 120-3R410 Part number 7SP14R020	EFL 160-3R410 Part number 7SP14R022
	<b>40 (10+14+16)</b>	EFL 100-3R410 Part number 7SP14R019	EFL 140-3R410 Part number 7SP14R021	EFL 160-3R410 Part number 7SP14R022
	<b>42 (10+16+16)</b>	EFL 100-3R410 Part number 7SP14R019	EFL 160-3R410 Part number 7SP14R022	EFL 160-3R410 Part number 7SP14R022
	<b>44 (12+16+16)</b>	EFL 120-3R410 Part number 7SP14R020	EFL 160-3R410 Part number 7SP14R022	EFL 160-3R410 Part number 7SP14R022
	<b>46 (14+16+16)</b>	EFL 140-3R410 Part number 7SP14R021	EFL 160-3R410 Part number 7SP14R022	EFL 160-3R410 Part number 7SP14R022
	<b>48 (16+16+16)</b>	EFL 160-3R410 Part number 7SP14R022	EFL 160-3R410 Part number 7SP14R022	EFL 160-3R410 Part number 7SP14R022