

FRAL UK

CLIMATE CONTROL ON DEMAND



PRODUCT BROCHURE

edition 3



Air Conditioners

Evaporative Coolers

Dehumidifiers

Heaters

0844 800 3482
www.fraluk.com

Welcome to Fral UK Ltd

Fral UK Ltd are specialist providers in the Hire and Sale of Portable Cooling, Drying and Heating equipment.

With over 40 years experience in the business we pride ourselves in offering our customers both up-to-date modern equipment and a high quality service.

We are the UK distributor for Italian based company Fral who manufacture market leading products both in Portable Air Conditioning and Dehumidifiers.

Whether your requirement is for hire or sale, we promise our customers we will have the right product at the right time at the right price.

Equipment

We pride ourselves on having a modern, high quality and extensive hire fleet to meet any hire requirement, application or budget. Whether you require a small hose type unit, water cooled split or evaporative cooler one call to us will take care of it all.

Service

At Fral UK we know when our customers ring us they have a requirement.

We are proud to offer a same day / next day delivery and installation service nationwide on all of our products giving our customers a quick and easy solution.

Whether you need one unit or one-hundred units for one week or more give us a call on: **0844 800 3482**

Fral

Fral is an Italian company, located near Venice. Their aim is to supply quality and value through expansion and being globally competitive, this is helped made possible by their new 'Fral China' factory and to its wide range of products covering all sectors of refrigeration and dehumidification.

Fral are continually developing and improving their products to keep up with both customer and market demands. We are extremely aware of our responsibility to the planet so we ensure that all our new products meet all the up-to-date environmental legislation.

Fral air conditioners and their other industrial appliances are the expression of Italian talent and design, and of functional technology resulting from a mix of experience and creativity.

Avalanche Series 2

The Avalanche is the most powerful, flexible portable air conditioning unit available. Whether your application is for a computer suite, offices, hospitals, portable buildings or hospitality the Avalanche delivers 6.7kW of cooling off a standard 13amp supply. With the option of using up to 30 metres of water line it is supremely flexible ensuring it can go into almost any application.

The Avalanche is designed using a self contained chilled water system. The water circulates through a water cooled condenser where the heat is absorbed and then is pumped through the water lines to the outdoor unit where the water is cooled. The cooled water is then pumped back through the flexible lines to the indoor unit and the process starts again.

- The most versatile portable air conditioning unit on the market
- Offering a solution to almost any application
- Site the outdoor unit 30 metres away from the indoor unit
- Quick connect couplings on water lines
- 100% Effective cooling
- Easy installation, only requires 13amp plug

SPECIFICATIONS

Cooling capacity	6.7kW/23000Btu/hr
Weight	86kg
H x W x D (cm)	103 x 82 x 36
Air flow (max)	1500 cm/hr
Suitable area	55m ²
Operating range	10 - 35°C
Noise rating	49dba
Line length	Up to 30m
Line diameter	50mm
Tank capacity (L)	No tank
Current (A)	12
Power (W)	2700
Voltage (V)	240



Portable Air Conditioners

SC14 Mini Spot Cooler

The SC14 is a unique and versatile unit allowing ducting to be fitted on both cold air and exhaust air outlets at the same time.

This can allow the unit to be situated inside or outside the area you are looking to cool or heat. With an easy clip on grill you can chose which ever option extremely easy.

It is extremely quiet in operation and it will work easily with 6 metres of ducting off either outlet making the SC14 one of the most popular units in the market place.

- Energy Class: A/A++
- Heat pump
- Twin duct system
- Automatic condensate removal
- High temperature alarm
- 3 Speed fan
- Touch control
- 12 Month warranty



SPECIFICATIONS

Cooling capacity	4.1kW/15000Btu/hr
Heating capacity	4.1kW/15000Btu/hr
Weight	30.5kg
H x W x D (cm)	74 x 30 x 48
Air flow (max)	600 cm/hr
Suitable area	40m ²
Operating range	16 - 40°C
Noise rating	52dba
Hose length	2.5m (Optional 6m)
Hose diameter	150mm
Current (A)	7.6
Power (W)	1700
Voltage (V)	240



Portable Air Conditioners

Blizzard Series 2

The Blizzard is one of the most powerful hose type units in the market, delivering 25000 Btu/hr whilst still working off a 13 amp supply.

Built in Italy the Blizzard is manufactured using the most up to date materials and designed to work with up to 9 metres of exhaust ducting. Simple in operation the Blizzard is suitable for computer rooms, open plan offices, factories and any application where large amounts of cooling is required. Some of the other features include a 15 litre water container for extra continuous use, water tank full indicator, low and high pressure warning indicators. At 55dba the Blizzard is one of the quietest spot coolers in the market place.

- Large spot cooler
- 2 Speed fan motor
- 110v Version available
- Works with up to 9m exhaust hose
- 15 Litre water container
- Thermostatically controlled
- Low and high pressure switch
- Easy installation, only requires 13amp plug

SPECIFICATIONS

Cooling capacity	7.3kW/25000Btu/hr
Weight	85kg
H x W x D (cm)	125 x 50 x 62
Air flow (max)	1020 cm/hr
Suitable area	60m ²
Operating range	15 - 35°C
Noise rating	55dba
Hose length	3m (+ additional 6m)
Hose diameter	305mm
Tank capacity (L)	15
Current (A)	12
Power (W)	2500
Voltage (V)	240



Portable Air Conditioners

FSCH40 Industrial Air Conditioner/Heat Pump

The new FSCH40 is the latest addition to the Fral Cooling range.

Designed for all year round use the FSCH40 delivers 11kW of heating or cooling.

The unit can be sited inside or outside and is controlled by an additional thermostat that can be situated in the area you are controlling.

- Industrial air conditioner/heat pump
- Works up to 20m exhaust hose
- Works up to 20m cooling hose
- Water proof
- Fork lift pockets
- Heavy duty swivel castors
- Remote thermostat
- 2 Condensate systems
- 3 Phase supply



SPECIFICATIONS

Cooling capacity	11kW/37800Btu/hr
Heating capacity	11kW/37800Btu/hr
H x W x D (cm)	134 x 100 x 75
Weight	90kg
Operating range	0 - 35°C (Summer)
Operating range	-10 - 25°C (Winter)
Noise rating	55dba
Hose length	20m
Hose diameter	500mm (Exhaust)
Hose diameter	300mm (Cooling x 2)
Power (W)	4800



High Cool



- 3 Speed fan
- High volume airflow: 1200m³/h
- High air throw: 11m
- Oscillating louvres

SPECIFICATIONS

Weight	12kg
H x W x D (cm)	91 x 50 x 38
Suitable area	40m ²
Tank capacity (L)	20
Power (W)	190
Voltage (V)	240

CL60pm



- 3 Speed fan
- High volume airflow: 2610m³/h
- High air throw: 15m
- 60 Litre tank
- Honeycomb filters

SPECIFICATIONS

Weight	22kg
H x W x D (cm)	101 x 70 x 46
Suitable area	60m ²
Tank capacity (L)	60
Power (W)	200
Voltage (V)	240

P10



- 2 Speed fan
- High volume airflow: 1175m³/hr
- 30 Litre tank
- Remote control

SPECIFICATIONS

Weight	25kg
H x W x D (cm)	108 x 44 x 54
Suitable area	60m ²
Tank capacity (L)	30
Power (W)	270
Voltage (V)	240

P12



- 2 Speed fan
- High volume airflow: 2100m³/hr
- 45 Litre tank
- Remote control

SPECIFICATIONS

Weight	45kg
H x W x D (cm)	109 x 62 x 77
Suitable area	80m ²
Tank capacity (L)	45
Power (W)	350
Voltage (V)	240

Electric Heater Range

FEH030



- 3kW heating output
- Stainless steel elements
- Adjustable thermostat
- Overheat protection
- Full metal casing
- Insulated handle
- 240v 3 pin plug

SPECIFICATIONS

Heating capacity	3kW/10000Btu/hr
Settings	Fan only/1.5kW/3kW
Voltage	240v
Current	13 amps
H x W x D (cm)	39 x 25 x 25
Weight	6kg

FEH150



- 15kW heating output
- Stainless steel elements
- Adjustable thermostat
- Overheat protection
- Reset button
- Full metal casing
- Insulated handle
- 2 Metre cable
- 32amp 5 pin plug

SPECIFICATIONS

Heating capacity	15kW/51000Btu/hr
Settings	Fan only/5kW/10kW/15kW
Voltage	3 phase 415v
Current	21.7 amps
Air output	1293m ³ /hr
Noise	57dba
H x W x D (cm)	40 x 54 x 33
Weight	14.5kg

FEH220



- 22kW heating output
- Stainless steel element
- Adjustable thermostat
- Overheat protection
- Reset button
- Full metal casing
- Insulated handle
- 2 Metre cable
- 32amp 5 pin plug

SPECIFICATIONS

Heating capacity	22kW/75000Btu/hr
Settings	Fan only/11kW/22kW
Voltage	3 phase 415v
Current	31.8 amps
Air output	1684m ³ /hr
Noise	59dba
H x W x D (cm)	60 x 42 x 41
Weight	21.8kg

C30



- 30kW heating output
- Stainless steel element
- Adjustable thermostat
- Overheat protection
- Full metal casing
- Insulated handle
- Large wheels
- 2 Metre cable
- 63amp 5 pin plug

SPECIFICATIONS

Heating capacity	30kW/102000Btu/hr
Settings	Fan only/15kW/30kW
Voltage	3 phase 415v
Current	43.4 amps
Air output	1911m ³ /hr
Noise	61dba
H x W x D (cm)	57 x 65 x 86
Weight	33kg

Heat Load Testing Service

Fral UK Heat Load Service

Fral UK offer a first class service designed for our customers to carry out heat load tests.

Service

Our service is used in many areas including testing new air conditioning systems before commissioning new server equipment, checking if there is capacity to add new servers and generally ensuring you do not have a potential shortage on cooling capacity.

We have a comprehensive hire fleet of 15kW, 18kW, 22kW and 30kW 3 phase electric heaters, which can all be viewed on our website at: www.fraluk.com/heating

As part of our service we also offer a full range of monitoring equipment... Our monitoring equipment is fitted with integrated temperature and humidity sensors and can record over 8000 samples between -40 to 85°C. This can then be downloaded to your computer via an Interface which is also supplied.

Services Include:

- **Delivery**
- **Equipment Hire**
- **Installation**
- **Monitoring**
- **Test Reports**
- **De-Installation**
- **Collection**

Call 0844 800 3482 for more information

Portable Dehumidifiers & Air Movers

FAM400/FAM700



- 7m Supply Cable
- 3 Speed Fan
- Strong Rotomoulded Case

SPECIFICATIONS	FAM400	FAM700
Power consumed	360w	1200w
Absorbed current	3.6A	5.6A
Air flow (max)	1950cm/h	6200cm/h
Fan speed (max)	980RPM	1400RPM
Weight	10.5kg	17kg

FDND33



- 33Litres/24 hours
- Hot gas defrost
- 8 Litre water tank
- Low energy consumption
- Zinc plated and powder coated
- Hour clock
- Four pivoting castors

SPECIFICATIONS	
Power consumed	420w
Absorbed current	3.3A
Air flow	380cm/h
Noise	43db(A)
Refrigerant	R134a
Temperature range	1° - 35°C
RH range	35 - 99%
H x W x D (cm)	70 x 35 x 37
Weight	32kg

FDNP33



- 33Litres/24 hours
- Hot gas defrost
- Low energy consumption
- Zinc plated and powder coated
- Hour clock
- Humidistat
- Large wheels

SPECIFICATIONS	
Power consumed	420w
Absorbed current	3.3A
Air flow	380cm/h
Noise	43db(A)
Refrigerant	R134a
Temperature range	1° - 35°C
RH range	35 - 99%
H x W x D (cm)	96 x 47 x 45
Weight	33kg

FRD44



- 44Litres/24 hours
- Hot gas defrost
- Centrifugal fan (works up to 6m ducting)
- Condensate pump
- Hour clock
- Humidistat
- Rotomoulded casing
- Large rubber wheels

SPECIFICATIONS	
Power consumed	530w
Absorbed current	3.6A
Air flow	500cm/h
Noise	53db(A)
Refrigerant	R407c
Temperature range	0° - 35°C
RH range	35 - 99%
H x W x D (cm)	98 x 46 x 46
Weight	35kg

Fixed Dehumidifiers

FSW96

Swimming Pool Dehumidifier

- 96Litres/24 hours
- Relative humidity control and reading
- Digital microprocessor control
- Digital display
- Condensate pump*
- Water heating coil*
- Electric heater*



Specifications

Extraction rate	96Litres/24hr (max)
Voltage (v)	240
Power consumed (w)	1350 (max)
Power absorbed (A)	7.2 (max)
Temperature range	7° - 35°C
RH range	40 - 99%
Noise (dBA)	49
H x W x D (cm)	175 x 50 x 29
Weight (kg)	55

FSW140

Swimming Pool Dehumidifier

- 140Litres/ 24 hours
- Low pressure switch (automatic reset)
- High pressure switch (manual reset)
- Fitting for continuous draining
- Electronic central device
- Low power consumption



Specifications

Extraction rate	140Litres/24hr (max)
Voltage (v)	240
Power consumed (w)	2050 (max)
Power absorbed (A)	11 (max)
Temperature range	7°C - 35°C
RH range	45 - 99%
Noise (dBA)	49
H x W x D (cm)	68 x 121 x 35
Weight (kg)	80

FD160/FD240/FD360

Fixed Dehumidifier

- Option for working under 0°C
- High and low pressure switches
- R407c refrigerant
- Scroll compressor
- Three speed fan
- Electric heater*



Specifications	FD160	FD240	FD360
Extraction rate	160 (max)	240 (max)	360 (max)
Voltage (v)	240	415	415
Power consumed (w)	2300 (max)	3500 (max)	5800 (max)
Power absorbed (A)	12 (max)	6 (max)	11 (max)
Temperature range	0.5° - 35°C	0.5° - 35°C	0.5° - 35°C
RH range	45 - 99%	45 - 99%	45 - 99%
Noise (dBA)	54	55	61
H x W x D (cm)	53 x 98 x 68	53 x 98 x 68	71 x 118 x 90
Weight (kg)	66	72	150

FD520/FD750/FD980

Fixed Dehumidifier

- Option for working under 0°C
- High and low pressure switches
- R407c refrigerant
- Scroll compressor
- Three speed fan
- Electric heater*



Specifications	FD520	FD750	FD980
Extraction rate	520	750	980
Voltage (v)	415	415	415
Power consumed (w)	6500	11000	13000
Power absorbed (A)	16	22	28
Temperature range	0.5°C - 35°C	0.5°C - 35°C	0.5°C - 35°C
RH range	45 - 99%	45 - 99%	45 - 99%
Noise db (dBA)	65	67	70
H x W x D (cm)	91 x 118 x 90	160 x 200 x130	160 x 200 x130
Weight (kg)	190	230	320

* Optional

REPAIR SERVICE

**DO YOU NEED YOUR PORTABLE EQUIPMENT BACK UP AND RUNNING?
WE CAN REPAIR ALL LEADING BRANDS OF PORTABLE EQUIPMENT**

FAULT & FIX SERVICES

- ✓ Collection
- ✓ P.A.T. (Portable Appliance Testing)
- ✓ Free-of-charge quote
- ✓ Cleaning
- ✓ Full repair
- ✓ Delivery
- ✓ Full service
- ✓ 12 month warranty (on all repairs)

USEFUL CONVERSIONS

COOLING (measurement in feet)

$$\text{width} \times \text{height} \times \text{length} = \text{volume of area} \times 5 = \text{btu/hr}$$

This allows for up to 4 people and 1 piece of electrical equipment. For additional people or electrical units, add 400 Btu/hr.

HEATING (measurement in feet)

Establish the required interior temperature (f) and the current external temperature (f).

$$\text{width} \times \text{height} \times \text{length} = \text{volume of area}$$

$$\text{volume of room} \times \text{difference between required and external temperature} \times 0.133 = \text{btu/hr}$$

SOUND ADVICE...

Sound level	Decibels	Example
No sound	0	Essentially no sound
	10	Breathing
	20	Whisper
Very quiet	25	Recording studio
	45	Typical neighbourhood
Quiet	50	Quiet conversation
	60	Normal conversation
Annoying	70	Vacuum cleaner
	75	Car interior in transit
Loud	80	Telephone dial tone
	85	City traffic
Very loud	100	Jet take off at 300 ft
Pain threshold	120	Thunderclap
	180	Jet engine at 1 ft
	194	Air particle distortion

TALK TO THE CONVERTED!

Btu/hr to kW Btu / 3.412	kW to Btu/hr kW x 3.412	Cubic Ft to Litres Ft ³ x 28.317	Litres to Cubic Ft L / 28.317
Celsius to Fahrenheit c x 1.8 + 3.2	Fahrenheit to Celsius f - 32 / 1.8	Pints to Litres P x 0.568	Litres to Pints L / 0.568
Feet to Metres F x 0.3048	Metres to Feet M / 0.3048	US Pints to Litres P x 0.568	Litres to US Pints L / 0.473
Sq Ft to Sq M Ft ² x 0.0929	Sq M to Sq Ft M ² / 0.0929	Gallons to Litres G x 4.546	Litres to Gallons L / 4.546
Cubic M to Cubic Ft M ³ x 35.3	Cubic Ft to Cubic M Ft ³ / 35.3	Grains to Grams G x 0.0648	Grams to Grains Gr / 0.0648

FralUK Ltd

Unit 19, Britannia Way
Britannia Enterprise Park
Lichfield WS14 9UY

Email: enquiries@fraluk.com
Website: www.fraluk.com
Telephone: **0844 800 3482**