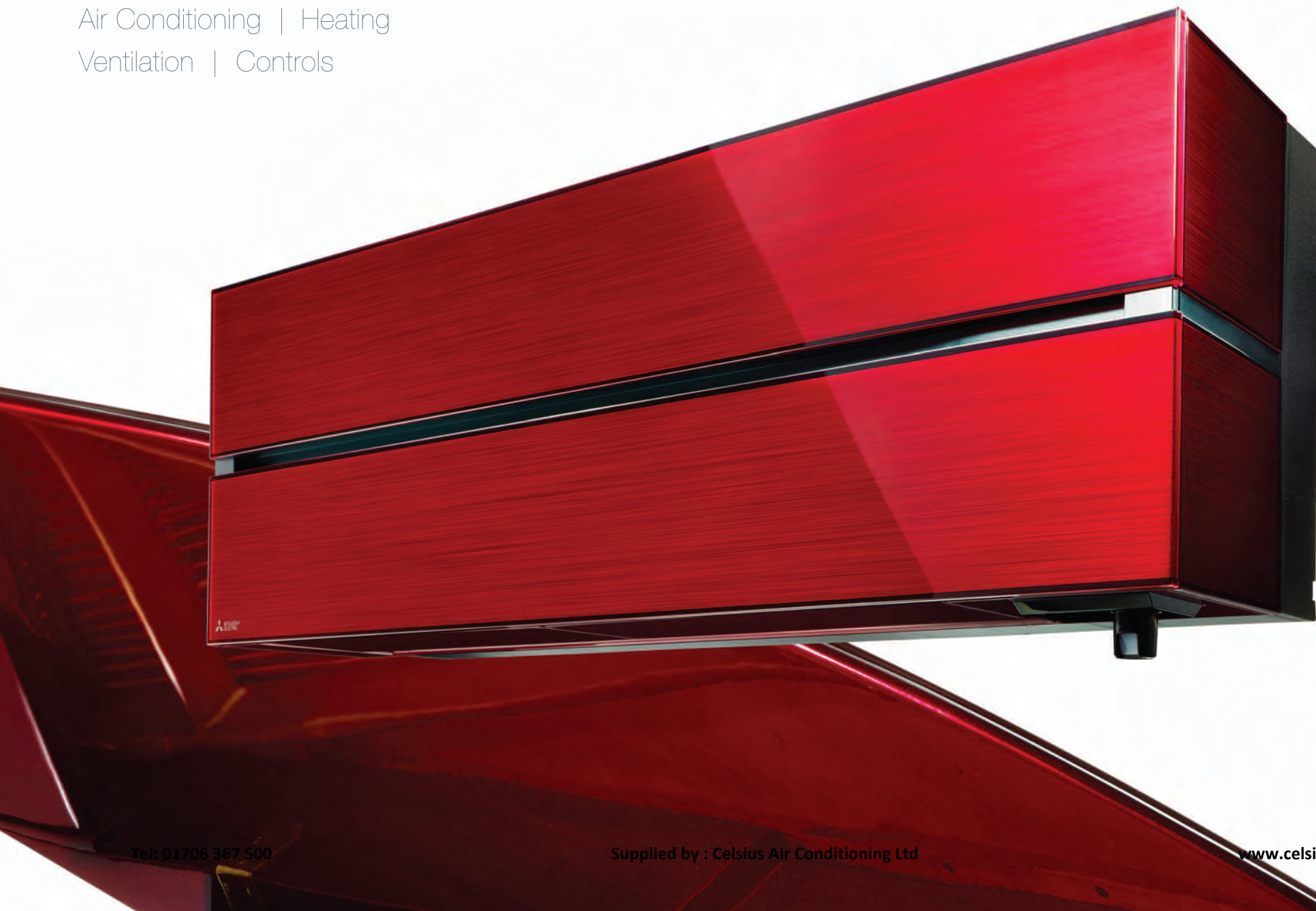




Air Conditioning | Heating
Ventilation | Controls

TIME FOR
R32



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The MSZ-LN wall mounted system

A blend of energy efficiency and sophisticated design



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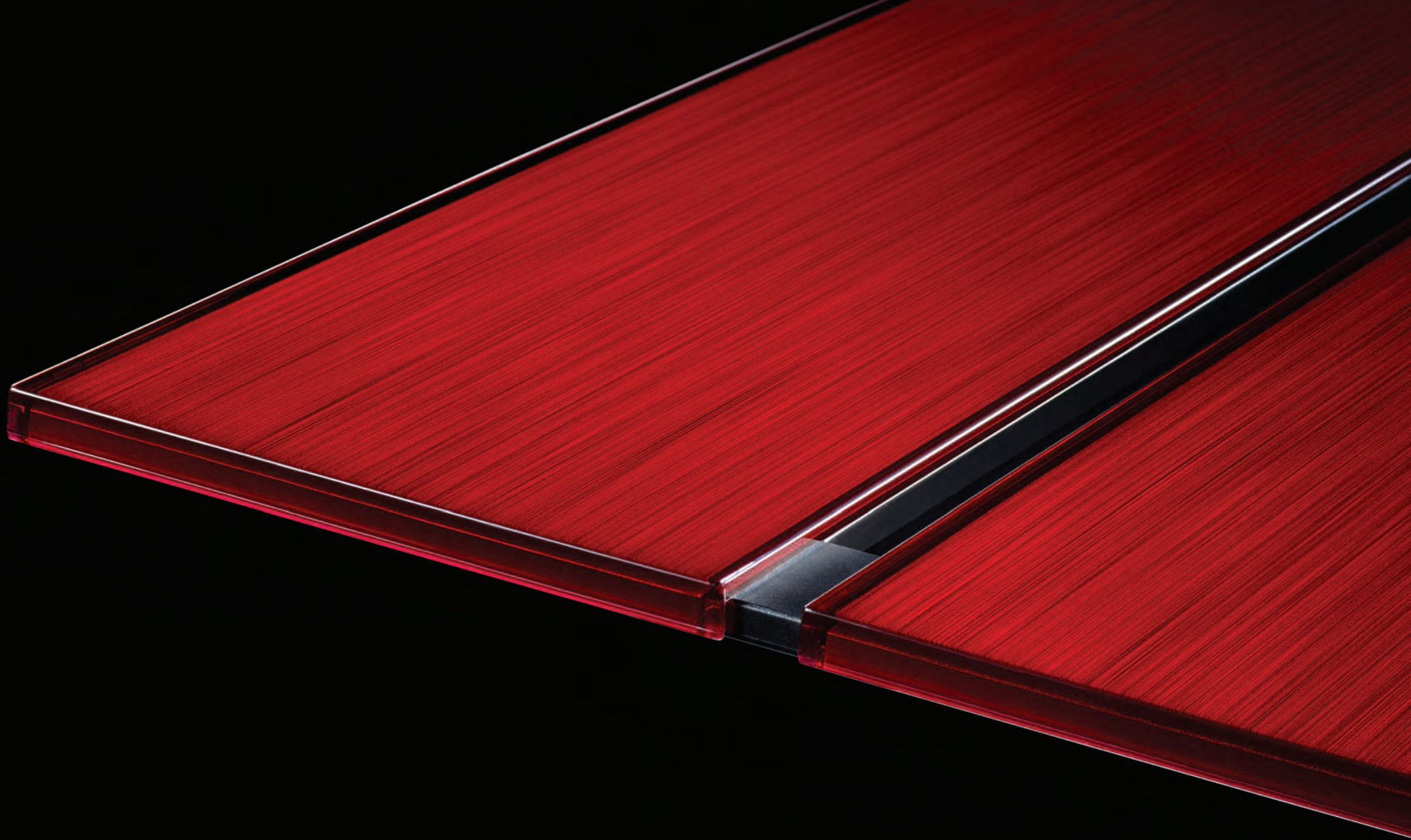




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Finished with a range of deep, rich colours and a premium quality feel

www.celustash.co.uk



Stylish, colour coordinated remote controllers



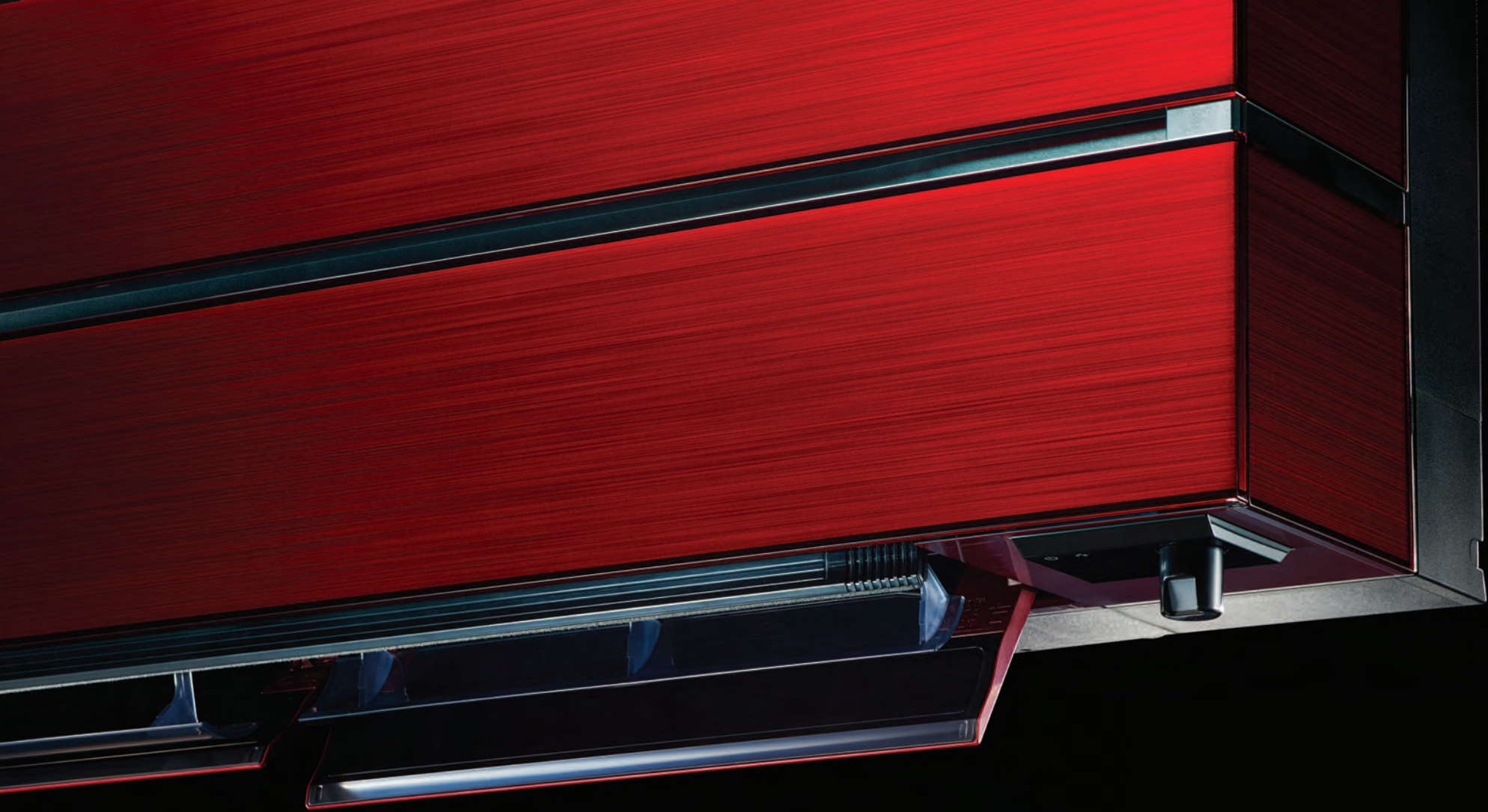


Mobile control and monitoring of your Mitsubishi Electric systems

MELCloud is a cloud based solution for controlling and monitoring your Mitsubishi Electric air conditioning or heating systems either locally or remotely by PC, tablet or smartphone app. It offers the ability to control which units are on/off, temperature settings, the 7 day weekly schedule, frost protection settings, holiday mode and also log and record errors.

Ensuring total flexibility from a single device, from any worldwide location, the MELCloud app also provides localised information like weather forecasts and customer service contact details. The MSZ-LN models are the first in our air conditioning range to come with the Wi-Fi interface needed to connect to MELCloud built into the unit as standard.





i-see infrared sensor and double vanes provide enhanced comfort and energy savings

www.danfoss.co.uk

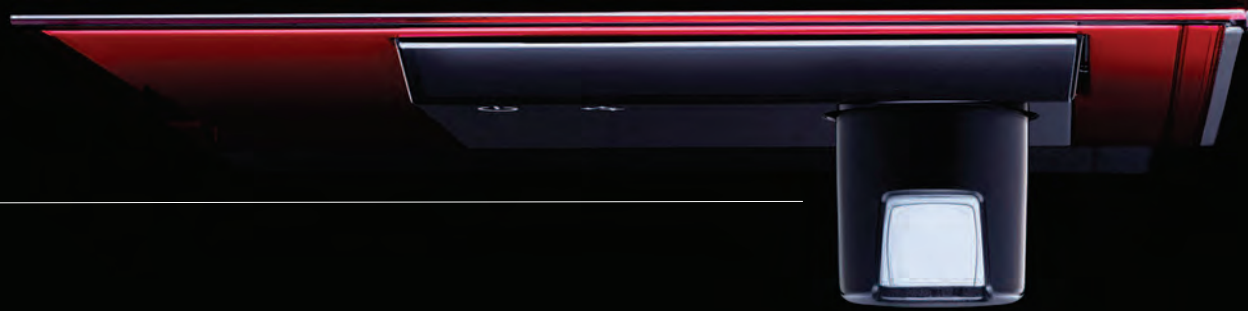


30°C

22°C

Tel: 01202 217500 **500** Low High

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i-see Sensor

The i-see Sensor provides customised comfort by automatically monitoring room occupancy, position and body temperature.

Double Vanes

Double vanes operate independently to distribute airflow evenly throughout the room.



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Dual-Barrier Coating

Mitsubishi Electric's proprietary coating prevents dust and grease accumulation.



■ Grease mist
■ Cigarette smoke

■ Dust
■ Dirt

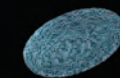
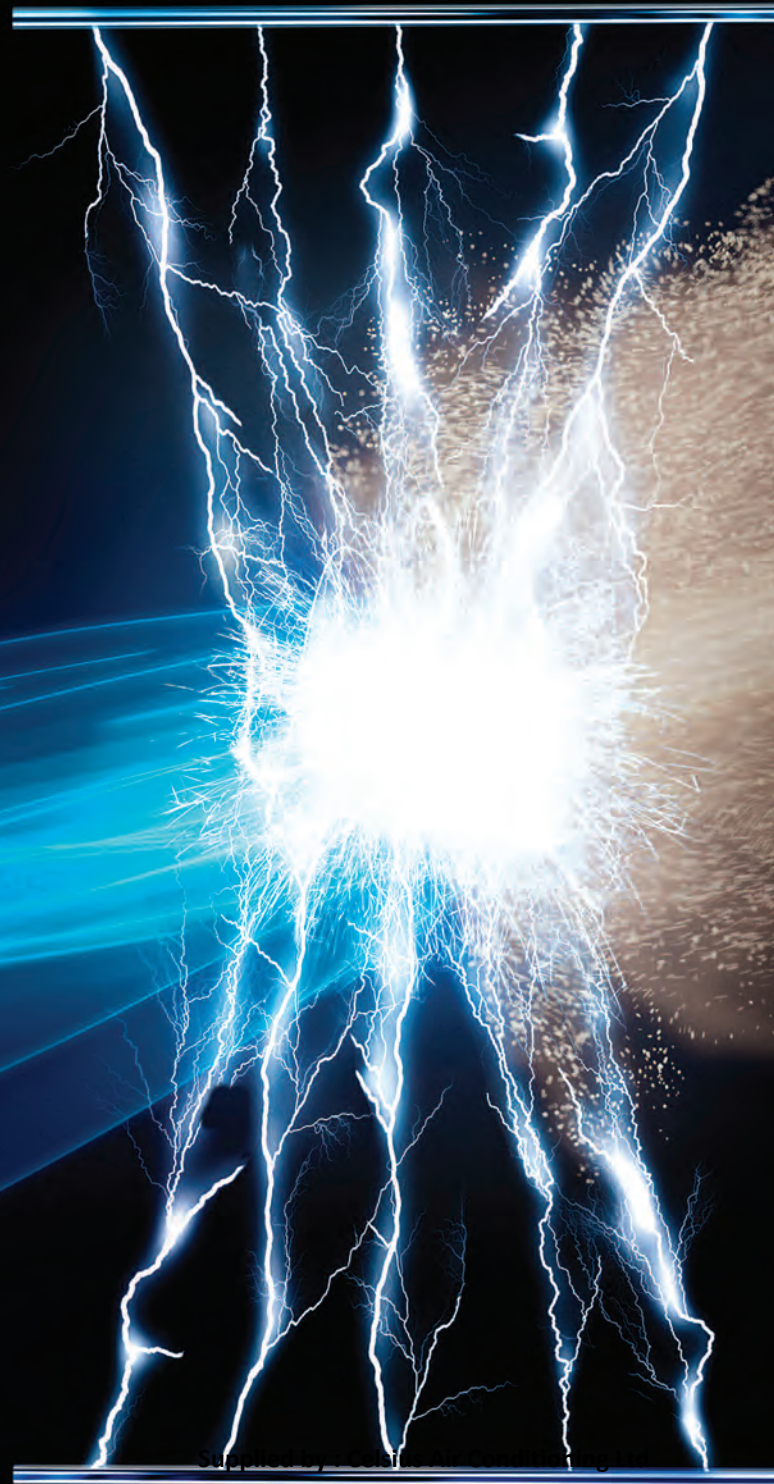
Dual Barrier
Coating used in:

■ Heat exchanger
■ Fan
■ Air duct

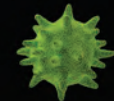
Plasma Quad Plus Filter

Uses powerful plasma technology to filter out even microscopic particles.

Plasma Quad Plus



Bacteria



Viruses



Allergens



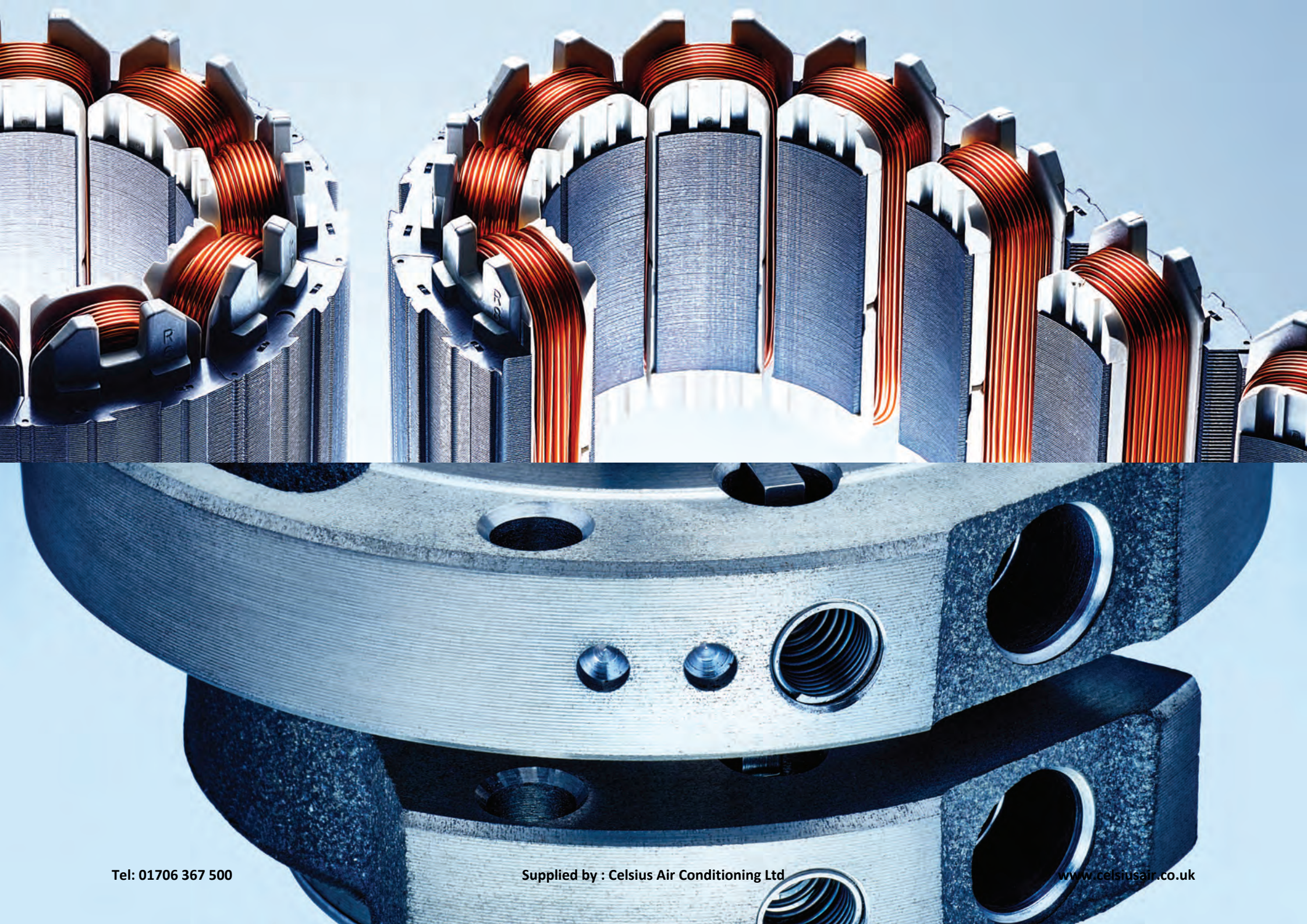
Dust



Moulds



Microparticle
(PM2.5)



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Built using micron-precise calculations,
the compressor is the heart of the
MSZ-LN air conditioning system



Poki-Poki Motor



Dramatically enhanced
motor efficiency utilising
Mitsubishi Electric's
original dense winding
technology.

Heat Caulking



Mitsubishi Electric's
heat caulking method
minimises cylinder
distortion for even
greater efficiency.

Designed to provide powerful heating,
even on bitterly cold or snowy days



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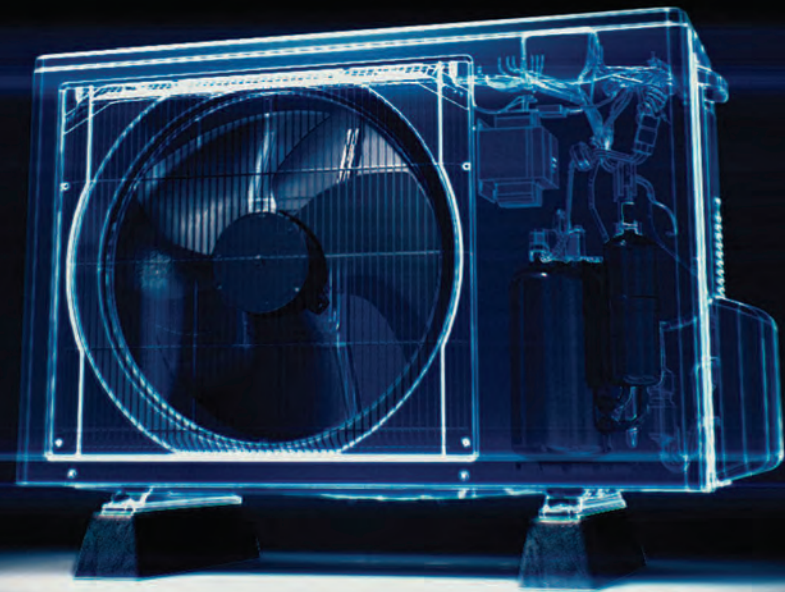
Solutions that address the ban on R22 refrigerant

As of 1st January 2015 it became illegal to use R22 refrigerant^{*1} to service and maintain air conditioning units, yet there are a large number of systems still in use in the UK that rely on R22.

Many of these building operators remain unaware that whilst their air conditioning will not be illegal to run, it may need immediate replacement if it requires maintenance involving any degassing of the system.

The continual rise in energy costs also means everyone involved in the built environment is focusing on energy use and consumption and this is where modern equipment can really help to support replacement.

The MSZ-LN models incorporate our unique '**Replace Technology**' which allows the upgrade of systems using existing pipe work, without the need to apply any special cleaning machines.



^{*1} The EC Ozone Regulation (No.1005/2009) was introduced to control and phase out the remaining uses of all Ozone Depleting Substances (ODS) such as R22 refrigerant. This has led to a total ban on its use for service and maintenance by the start of the year 2015. ODS can result in greater UV radiation reaching the earth's surface which is harmful for humans, animals and plants, leading to increases in skin cancer, cataracts and a reduction in food crop yields. Modern alternatives such as HFC's, which include R32, do not have the same ozone depleting potential (ODP).

MSZ-LN Inverter Heat Pump Wall Mounted System

Product Specifications

M series



MSZ-LN18/25/35/50/60VGR Ruby Red (R)



MSZ-LN18/25/35/50/60VGV Pearl White (V)



MSZ-LN18/25/35/50/60VGB Onyx Black (B)



MSZ-LN18/25/35/50/60VGW Natural White (W)

MSZ-LN - INDOOR UNITS		MSZ-LN18VG R/B/V/W	MSZ-LN25VG R/B/V/W	MSZ-LN35VG R/B/V/W	MSZ-LN50VG R/B/V/W	MSZ-LN60VG R/B/V/W
CAPACITY (KW)	Heating (nominal)	2.0 (0.9 - 4.0)	3.2 (0.8 - 5.4)	4.0 (1.0 - 6.3)	6.0 (1.0 - 8.2)	6.8 (1.8 - 9.3)
	Cooling (nominal)	1.8 (0.9 - 3.0)	2.5 (1.0 - 3.5)	3.5 (0.8 - 4.0)	5.0 (1.0 - 6.0)	6.1 (1.4 - 6.9)
	Heating (UK)	-	2.64 (0.66 - 4.45)	3.3 (0.83 - 5.2)	4.94 (0.82 - 6.75)	5.6 (1.48 - 7.66)
	Cooling (UK)	-	2.48 (0.99 - 3.47)	3.47 (0.79 - 3.96)	4.95 (0.99 - 5.94)	6.05 (1.38 - 6.84)
SHF (nominal)		-	0.97	0.90	0.77	0.75
COP / EER (nominal)		-	5.52 / 5.15	5.00 / 4.27	4.05 / 3.62	3.76 / 3.41
SCOP / SEER (BS EN14825)		-	5.2 / 10.5	5.1 / 9.5	4.6 / 8.5	4.6 / 7.5
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	-	A+++ / A+++	A+++ / A+++	A++ / A+++	A++ / A++
AIRFLOW (l/s)	Heating (SLo-Lo-Mid-Hi-SHi)	67-95-118-142-240	67-95-118-142-240	71-97-118-142-228	90-107-142-178-262	110-158-192-227-262
	Cooling (SLo-Lo-Mid-Hi-SHi)	71-97-118-147-198	71-97-118-147-198	71-97-118-147-213	95-127-148-177-232	118-147-177-212-262
PIPE SIZE MM (in)	Gas	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")
	Liquid	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
SOUND PRESSURE LEVEL (dBA)	Heating (SLo-Lo-Mid-Hi-SHi)	19-24-29-36-45	19-24-29-36-45	19-24-29-36-45	25-29-34-39-47	29-37-41-45-49
	Cooling (SLo-Lo-Mid-Hi-SHi)	19-23-29-36-42	19-23-29-36-42	19-24-29-36-43	27-31-35-39-46	29-37-41-45-49
SOUND POWER LEVEL (dBA)		58	58	58	60	65
DIMENSIONS (mm)	Width x Depth x Height	890 x 233 x 307	890 x 233 x 307	890 x 233 x 307	890 x 233 x 307	890 x 233 x 307
WEIGHT (kg)		15.5	15.5	15.5	15.5	15.5
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6
INTERCONNECTING CABLE No. CORES		4	4	4	4	4

Notes: MSZ-LN18VG is for use with MXZ-F Multi-Split outdoor units only.



MUZ-LN - OUTDOOR UNITS		MUZ-LN25VG	MUZ-LN35VG	MUZ-LN50VG	MUZ-LN60VG
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	49 / 46	50 / 49	54 / 51	55 / 55
SOUND POWER LEVEL (dBA)	Cooling	60	61	64	65
WEIGHT (kg)		35	35	40	55
DIMENSIONS (mm)	Width x Depth x Height	800 x 285 x 550	800 x 285 x 550	800 x 285 x 714	840 x 330 x 880
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	0.580 / 0.485	0.800 / 0.820	1.480 / 1.380	1.810 / 1.790
	Heating/Cooling (UK)	0.523 / 0.406	0.722 / 0.686	1.335 / 1.151	1.632 / 1.494
STARTING CURRENT (A)		3.0	4.0	6.8	7.9
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	3.0 / 2.5 [7.1]	4.0 / 3.9 [9.9]	6.8 / 6.3 [13.9]	7.9 / 7.9 [15.2]
FUSE RATING (BS88) - HRC (A)		10	10	16	16
MAINS CABLE No. CORES		3	3	3	3
MAX PIPE LENGTH (m)		20	20	20	30
MAX HEIGHT DIFFERENCE (m)		12	12	12	15
CHARGE (kg) / CO ₂ EQUIVALENT (t) - R32 (GWP 675) - 7m		1.0 / 0.68	1.0 / 0.68	1.25 / 0.85	1.45 / 0.98
MAX ALLOWABLE REFRIGERANT CHARGE (kg) / CO ₂ EQUIVALENT (t) - R32 (GWP 675)		1.0 / 0.68	1.0 / 0.68	0.26 / 0.18	

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