

FUJITSU 2 & 3-4 Head Multi System



NEW ZEALAND'S FAVOURITE AIR™

FUJITSU

INVERTER 2 & 3-4 ROOM

Multi System

The Fujitsu Inverter Multi System has been designed with flexibility in mind. With the introduction of indoor units in a range of capacities and types, Fujitsu have made it easier to air condition or heat most domestic applications in New Zealand.

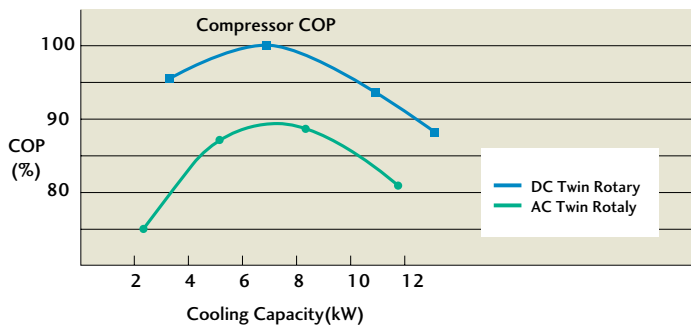
The Fujitsu Inverter Multi System is ideal where an individual indoor unit is required in each room, for example, a living room and 3 bedrooms. The Fujitsu Inverter Multi System allows only one outdoor unit to be connected up to a wide variety of 2 for the AOT24LMAM2 or 3 or 4 for the AOT30LMAW4 indoor units including Hi-Wall, Floor/Ceiling Console, Cassette and Bulkhead type ducted. All indoor units can be controlled separately.

■ DC Twin Rotary Compressor

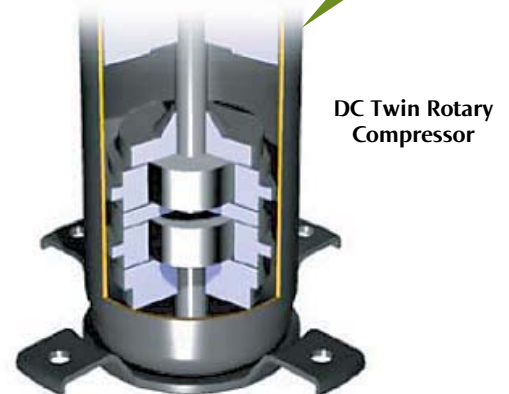
The Fujitsu Inverter System is equipped with a state of the art DC twin rotary compressor. It can reach the room temperature you set 15%* quicker than conventional models. Advanced DC twin rotary compressor makes operation at high power and high efficiency a reality.

38,000
BTU
(at 240V)

Comparison of cooling efficiency of DC compressor (against AC compressor)

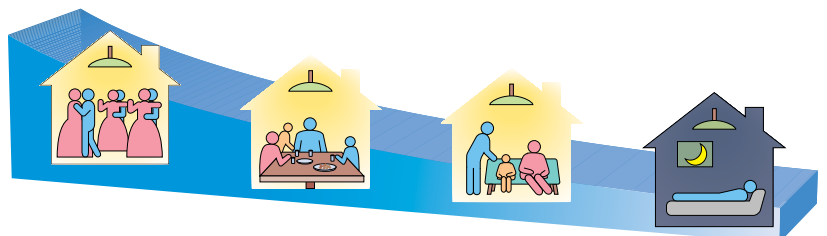


*Depends on room size and heat load.



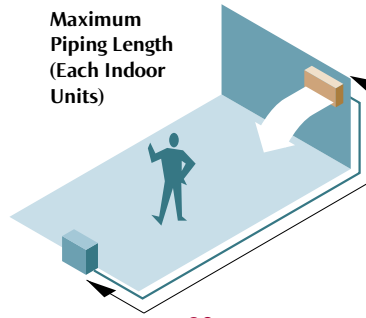
■ Stable & Comfort

The Heat Pump's output is stabilised at the optimum setting within the range from maximum to minimum to match the load, which is affected by factors such as the room temperature and the number of people present.



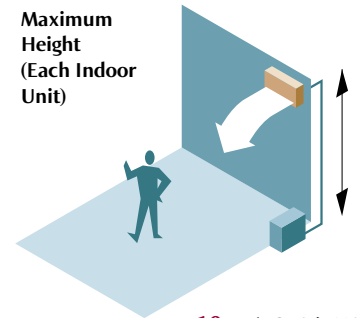
Flexible Installation

The outdoor unit can be installed in a wide range of properties by the long piping of 30m (gas chargeless) for AOT24LM2 and 70m (gas chargeless to 50m) for AOT30LM4.



Maximum Piping Length (Each Indoor Units)

20m (AOT24LM2)
25m (AOT30LM4)



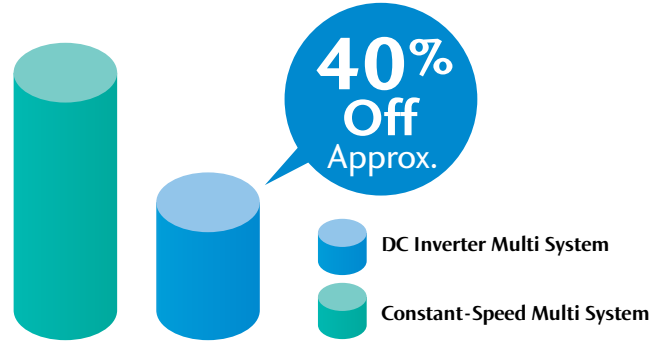
Maximum Height (Each Indoor Unit)

10m (AOT24LM2)
10m (AOT30LM4)

Total Maximum Piping Length: 30m (AOT24LM2) 70m (AOT30LM4)
(All Indoor Units Combined)

High Energy Efficiency

The high efficiency DC Inverter Multi System offers energy saving operation and 50% higher efficiency than a constant-speed multi system. Improved Inverter cooling ratio prevents a drop in capacity when operating under load conditions.



Capacity Table

AOT24LMAM2 1 outdoor unit to 2 indoor units

The total capacity of the indoor units that can be connected is 4.1 ~ 8.7kW (14,000 ~ 30,000BTU)

AOT30LMAW4 1 outdoor unit to 3-4 indoor units

The total capacity of the indoor units that can be connected is 7.9 ~ 14.3kW (27,000 ~ 49,000BTU)

| | Hi-Wall Type (Small Size) | Hi-Wall Type (Large Size) | Cassette Type (Compact) | Floor/Ceiling Universal Type | Bulkhead | |
|-----------------------------------|---------------------------|---------------------------|-------------------------|------------------------------|----------|--------------------------|
| 2.2kW (7,500 BTU) | AST7L | | | | | AOT30LMAW4 AOT24LMAM2 |
| 2.7kW (9,200 BTU) | AST9L | | | | | |
| 3.5kW (11,900 BTU) | AST12L | | AUT12L | | | |
| 4.2 - 4.3kW (14,300 - 14,600 BTU) | | | | ABT14L | | |
| 5.2kW (18,700 BTU) | AST18L | AUT18L | | ABT18L | ART18L | |
| 6.3kW (21,500 BTU) | | | | | ART22L | |
| 6.8kW (23,200 BTU) | AST24L* | | | ABT24L* | | |

*When connecting a 24 indoor unit on to the AOT30LMAW4 only two other indoor units are permissible to be connected



Cassette (Compact) Type
AUT12/18L



Bulkhead Type
ART18/22L



Hi-Wall Type
AST7/9/12L





Universal Type
ABT14/18/24L



Hi-Wall Type
AST18/24L





AOT24LMAM2

 5.80kW / 19,800BTU/h
 6.40kW / 21,900BTU/h



AOT30LMAW4

 8.00kW / 27,300BTU/h
 9.60kW / 32,800BTU/h



| | Moisture | Up/Down | Left/Right | Double | Auto Louvers | Auto Shut Louvers | Adjust | Restart | Sleep | Program | Distributing | Fresh | Fresh | Ion | AF | Wash | Weekly | W+S |
|----------------|----------|---------|------------|--------|--------------|-------------------|--------|---------|-------|---------|--------------|-------|-------|-----|----|------|--------|-----|
| AUT12L/18L | • | • | | | • | • | • | • | • | • | • | • | | | | • | | |
| ART18L/22L | | | | | | | • | • | • | • | | | • | | | | • | • |
| ABT14L/18L/24L | • | • | • | • | • | • | • | • | • | • | | | | | | | | |
| AST7L/9L/12L | • | • | | | • | • | • | • | • | • | | | | • | • | • | | |
| AST18L/24L | • | • | • | • | • | • | • | • | • | • | | | | • | • | • | | |

Advanced Features

- Equipped with DC Twin Rotary compressor
- 2 indoor units can be connected to one outdoor unit (AOT24LMAM2)
- 2*, 3 or 4 indoor units can be connected to one outdoor unit (AOT30LMAW4)
- Wide variety of indoor units including Hi-Wall, Floor/Ceiling Console, Cassette and Bulkhead Type Ducted
- All units can be controlled independently
- Reverse cycle operation
- Single phase (230V) power supply

*An external receiver tank (UTR-RTL) needs to be connected to the outdoor unit when connecting only 2 indoor units to the AOT30LMAW4

Independent Control

Each indoor unit can be operated independently. That is, on/off, temperature, air movement, up/down/left/right, time clock operation, can all be controlled from their own wireless remote.

SPECIFICATIONS

HI-WALL INDOOR UNITS

| TYPE | | | HI WALL | HI WALL | HI WALL | HI WALL | HI WALL | | | |
|------------------------------|-------------|--|-----------|------------|------------|-----------|-----------|---------|-------|------|
| MODEL No. | Indoor Unit | | AST7LMACW | AST9LMACW | AST12LMACW | AST18LBAJ | AST24LBAJ | | | |
| Reverse Cycle | | | Yes | Yes | Yes | Yes | Yes | | | |
| Cooling Capacities | | | Watts | 2,200 | 2,700 | 3,500 | 5,200 | 6,800 | | |
| | | | BTU/Hr | 7,500 | 9,200 | 11,900 | 17,800 | 23,200 | | |
| Heating Capacities | | | Watts | 2,500 | 3,300 | 4,100 | 6,000 | 8,200 | | |
| | | | BTU/Hr | 8,500 | 11,300 | 14,000 | 20,490 | 28,000 | | |
| Moisture Removal | | | L/Hr | 1 | 1.2 | 1.6 | 3 | 3 | | |
| Fan Speeds | | | 4 | 4 | 4 | 4 | 4 | | | |
| Air Circulation | | | l/s | 119 | 130 | 144 | 263 | 283 | | |
| Indoor Sound Pressure Level | | | Quiet | DbA at 1m | 29 | 29 | 33 | 32 | 32 | |
| | | | Low | DbA at 1m | 31 | 31 | 35 | 35 | 36 | |
| | | | Medium | DbA at 1m | 32 | 34 | 37 | 39 | 41 | |
| | | | High | DbA at 1m | 34 | 36 | 38 | 43 | 47 | |
| Dimensions and Weights | | | I.U. | Height | mm | 257 | 257 | 257 | 320 | |
| | | | | Width | mm | 808 | 808 | 808 | 1120 | 1120 |
| | | | | Depth | mm | 187 | 187 | 187 | 220 | 220 |
| | | | | Net Weight | kg | 8 | 8 | 8 | 16 | 16 |
| Ex Static Pressure | | | Pa | N/A | N/A | N/A | N/A | N/A | | |
| Indoor Unit Hole Cutout Size | | | mm | N/A | N/A | N/A | N/A | N/A | | |
| Interconnect cables - size | | | Qty - mm2 | 4 - 2.5 | 4 - 2.5 | 4 - 2.5 | 4 - 2.5 | 4 - 2.5 | | |
| Power Supply Attachment | | | | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor | | |
| Refrigerant Type | | | | R410a | R410a | R410a | R410a | R410a | | |
| Connection Pipe Sizes | | | Gas | mm | 9.52 | 9.52 | 9.52 | 12.7 | 15.88 | |
| | | | Liquid | mm | 6.35 | 6.35 | 6.35 | 6.35 | 9.52 | |
| Minimum Pipe Length | | | Metre | 5 | 5 | 5 | 5 | 5 | | |
| Maximum Pipe Length | | | Metre | 25 | 25 | 25 | 25 | 25 | | |
| Maximum Pipe Height | | | Metre | 10 | 10 | 10 | 10 | 10 | | |
| Pipe Connection Method | | | | Flare | Flare | Flare | Flare | Flare | | |

COMPACT CASSETTE INDOOR UNITS

| TYPE | | | CASSETTE | CASSETTE | | | |
|------------------------------|-------------|--|-----------|------------|-----------|------|-----|
| MODEL No. | Indoor Unit | | AUT12LBAB | AUT18LBAB | | | |
| Reverse Cycle | | | Yes | Yes | | | |
| Cooling Capacities | | | Watts | 3,500 | 4,300 | | |
| | | | BTU/Hr | 11,900 | 14,700 | | |
| Heating Capacities | | | Watts | 3,800 | 5,000 | | |
| | | | BTU/Hr | 13,000 | 17,100 | | |
| Moisture Removal | | | L/Hr | 1.2 | 2 | | |
| Fan Speeds | | | 3 | 3 | | | |
| Air Circulation | | | l/s | 152 | 172 | | |
| Indoor Sound Pressure Level | | | Quiet | DbA at 1m | N/A | N/A | |
| | | | Low | DbA at 1m | 36 | 38 | |
| | | | Medium | DbA at 1m | 39 | 41 | |
| | | | High | DbA at 1m | 42 | 44 | |
| Dimensions and Weights | | | I.U. | Height | mm | 235 | 235 |
| | | | | Width | mm | 580 | 580 |
| | | | | Depth | mm | 580 | 580 |
| | | | | Net Weight | kg | 18 | 18 |
| Ex Static Pressure | | | Pa | N/A | N/A | | |
| Indoor Unit Hole Cutout Size | | | mm | 600 x 600 | 600 x 600 | | |
| Interconnect cables - size | | | Qty - mm2 | 4 - 2.5 | 4 - 2.5 | | |
| Power Supply Attachment | | | | Outdoor | Outdoor | | |
| Refrigerant Type | | | | R410a | R410a | | |
| Connection Pipe Sizes | | | Gas | mm | 9.52 | 12.7 | |
| | | | Liquid | mm | 6.35 | 6.35 | |
| Minimum Pipe Length | | | Metre | 5 | 5 | | |
| Maximum Pipe Length | | | Metre | 25 | 25 | | |
| Maximum Pipe Height | | | Metre | 10 | 10 | | |
| Pipe Connection Method | | | | Flare | Flare | | |

FLOOR/CEILING INDOOR UNITS

| TYPE | | | FLOOR CEILING | FLOOR CEILING | FLOOR CEILING | | | |
|------------------------------|-------------|--|---------------|---------------|---------------|---------|-------|-----|
| MODEL No. | Indoor Unit | | ABT14LBAJ | ABT18LBAJ | ABT24LBAJ | | | |
| Reverse Cycle | | | Yes | Yes | Yes | | | |
| Cooling Capacities | | | Watts | 4,200 | 5,200 | 6,800 | | |
| | | | BTU/Hr | 14,300 | 17,800 | 23,200 | | |
| Heating Capacities | | | Watts | 4,800 | 6,000 | 8,200 | | |
| | | | BTU/Hr | 16,400 | 20,500 | 28,000 | | |
| Moisture Removal | | | L/Hr | 1.5 | 1.7 | 2.5 | | |
| Fan Speeds | | | 3 | 3 | 3 | | | |
| Air Circulation | | | l/s | 177 | 216 | 244 | | |
| Indoor Sound Pressure Level | | | Quiet | DbA at 1m | N/A | N/A | N/A | |
| | | | Low | DbA at 1m | 30 | 36 | 41 | |
| | | | Medium | DbA at 1m | 34 | 41 | 45 | |
| | | | High | DbA at 1m | 37 | 44 | 49 | |
| Dimensions and Weights | | | O.U. | Height | mm | 199 | 199 | 199 |
| | | | | Width | mm | 990 | 990 | 990 |
| | | | | Depth | mm | 655 | 655 | 655 |
| | | | | Net Weight | kg | 28 | 28 | 28 |
| Ex Static Pressure | | | Pa | N/A | N/A | N/A | | |
| Indoor Unit Hole Cutout Size | | | mm | N/A | N/A | N/A | | |
| Interconnect cables - size | | | Qty - mm2 | 4 - 2.5 | 4 - 2.5 | 4 - 2.5 | | |
| Power Supply Attachment | | | | Outdoor | Outdoor | Outdoor | | |
| Refrigerant Type | | | | R410a | R410a | R410a | | |
| Connection Pipe Sizes | | | Gas | mm | 12.7 | 12.7 | 15.88 | |
| | | | Liquid | mm | 6.35 | 6.35 | 9.52 | |
| Minimum Pipe Length | | | Metre | 5 | 5 | 5 | | |
| Maximum Pipe Length | | | Metre | 25 | 25 | 25 | | |
| Maximum Pipe Height | | | Metre | 10 | 10 | 10 | | |
| Pipe Connection Method | | | | Flare | Flare | Flare | | |

BULKHEAD TYPE INDOOR UNITS

| TYPE | | | BULKHEAD | BULKHEAD | | | |
|------------------------------|-------------|--|-----------|------------|---------|------|-----|
| MODEL No. | Indoor Unit | | ART18LUAD | ART22LUAD | | | |
| Reverse Cycle | | | Yes | Yes | | | |
| Cooling Capacities | | | Watts | 5,200 | 6,300 | | |
| | | | BTU/Hr | 17,800 | 21,500 | | |
| Heating Capacities | | | Watts | 6,000 | 7,500 | | |
| | | | BTU/Hr | 20,500 | 25,600 | | |
| Moisture Removal | | | L/Hr | 1.7 | 2.2 | | |
| Fan Speeds | | | 3 | 3 | | | |
| Air Circulation | | | l/s | 222 | 288 | | |
| Indoor Sound Pressure Level | | | Quiet | DbA at 1m | N/A | N/A | |
| | | | Low | DbA at 1m | 30 | 33 | |
| | | | Medium | DbA at 1m | 35 | 41 | |
| | | | High | DbA at 1m | 41 | 46 | |
| Dimensions and Weights | | | I.U. | Height | mm | 217 | 217 |
| | | | | Width | mm | 953 | 953 |
| | | | | Depth | mm | 595 | 595 |
| | | | | Net Weight | kg | 25 | 25 |
| Ex Static Pressure | | | Pa | 0 - 40 | 0 - 40 | | |
| Indoor Unit Hole Cutout Size | | | mm | N/A | N/A | | |
| Interconnect cables - size | | | Qty - mm2 | 4 - 2.5 | 4 - 2.5 | | |
| Power Supply Attachment | | | | Outdoor | Outdoor | | |
| Refrigerant Type | | | | R410a | R410a | | |
| Connection Pipe Sizes | | | Gas | mm | 12.7 | 12.7 | |
| | | | Liquid | mm | 6.35 | 6.35 | |
| Minimum Pipe Length | | | Metre | 5 | 5 | | |
| Maximum Pipe Length | | | Metre | 25 | 25 | | |
| Maximum Pipe Height | | | Metre | 10 | 10 | | |
| Pipe Connection Method | | | | Flare | Flare | | |

























OUTDOOR UNITS

| TYPE | | | INVERTER | INVERTER |
|----------------------------------|--|--|---------------------|---------------------|
| MODEL No. | | | AOT24LMAM2 | AOT30LMAW4 |
| Reverse Cycle | | | Yes | Yes |
| Cooling Capacities | | | 5,800 (7,800 Max) | 8,000 (10,100 Max) |
| | | | 19,800 (26,600 Max) | 27,300 (34,500 Max) |
| Heating Capacities | | | 6,400 (9,000 Max) | 9,600 (12,000 Max) |
| | | | 21,900 (30,700 Max) | 32,800 (41,000 Max) |
| E.E.R Cool | | | 3.35 | 3.6 |
| C.O.P Heat | | | 3.9 | 4.0 |
| Running Current | | | | |
| Cool | | | 7.3 (12.2 Max) | 9.7 (15.7 Max) |
| Heat | | | 6.9 (12.2 Max) | 10.5 (15.7 Max) |
| Input Power | | | | |
| Cool | | | 1,730 (2,920 Max) | 2,220 (3,580 Max) |
| Heat | | | 1,640 (2,920 Max) | 2,400 (3,580 Max) |
| Outdoor Sound Pressure Level | | | 49 | 51 |
| Outdoor Sound Power Level | | | 62 | 64 |
| Dimensions and Weights | | | | |
| O.U. Height | | | 650 | 835 |
| O.U. Width | | | 830 | 900 |
| O.U. Depth | | | 320 | 330 |
| O.U. Net Weight | | | 56 | 68 |
| Compressor Type | | | DC Rotary | Twin Rotary |
| Interconnect cables - size | | | Qty - mm2 | 4 - 2.5 (X2) |
| Recommended Min. Power Cable | | | mm2 | 4 |
| Phase - Frequency | | | Ph - Hz | 1 - 50 |
| Power Supply Attachment | | | Outdoor | Outdoor |
| Power Supply | | | Volts | 230 |
| Refrigerant Type | | | R410a | R410a |
| Connection Pipe Sizes | | | | |
| Gas | | | mm | 1X 9.52 1X 12.7 |
| Liquid | | | mm | 2X 6.35 |
| Minimum Pipe Length | | | Metre | 5 |
| Maximum Pipe Length (per indoor) | | | Metre | 20 |
| Maximum Pipe Length (total) | | | Metre | 30 |
| Maximum Pipe Height | | | Metre | 10 |
| Pre Charge Length | | | Metre | 30 |
| Pipe Connection Method | | | Flare | Flare |
| Outdoor Operating Temperature | | | | |
| Cool | | | Degree C | 0 to 43 |
| Heat | | | Degree C | -10 to 24 |

CONNECTION COMBINATIONS

- Please refer to the Design and Technical manual for allowable connectable configuration of indoor units
- Refer to the installation manual if the UTR-RTLA receiver tank for permissible indoor unit combinations

EXPLANATION OF FEATURES

| | | | |
|--|---|--|---|
|  <p>Moisture Removal The computer effectively dehumidifies the air.</p> |  <p>Automatic Air Flow Adjustment The micro-computer automatically adjusts the air flow effectively to follow the changes of room temperature.</p> |  <p>ON-OFF Timer ON-OFF timer can be set to operate once.</p> |  <p>Washable Panel</p> |
|  <p>Up/Down Swing Flaps The up/down flaps automatically swing to up and down.</p> |  <p>Auto Restart In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once the power supply is restored.</p> |  <p>Weekly Timer Different on-off times can be set for each day.</p> |  <p>Long-life Ion deodorization filter</p> |
|  <p>Right/Left Swing Flaps The right/left flaps automatically swing in either direction.</p> |  <p>Auto-Changeover The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.</p> |  <p>Weekly + Setback Timer Weekly + Setback timer can set temperature for two time spans and for each day of the week.</p> |  <p>Long-life photocatalytic deodorizing filter</p> |
|  <p>Double Swing Automatic Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.</p> |  <p>Sleep Timer The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.</p> |  <p>Connectable Distributing Duct Conditioned air can be distributed by means of a distribution duct.</p> |  <p>Apple-catechin filter</p> |
|  <p>Automatic Louvers The position of the louvers is set automatically to match the operating mode. It is also possible to adjust the louvers using the remote control.</p> |  <p>Program Timer This digital timer allows selection of one of four options. ON, OFF, ON → OFF, or OFF → ON.</p> |  <p>Connectable Fresh Air Duct Duct connection port hole opening. Fresh air can be introduced through this opening.</p> |  <p>Wasabi antibacterial electrostatic filter</p> |
|  <p>Auto Shut Louvers The auto shut louvers close or open auto-matically when the unit stops or starts.</p> | |  <p>Fresh air intake Fresh air can be taken in by a fan which can be connected using UTD-EC55A (optional parts).</p> |  Cooling  Heating |



NEW ZEALAND'S FAVOURITE AIR™

Fujitsu General New Zealand Limited
www.fujitsugeneral.co.nz

Products depicted in this brochure contain high operating pressure R410a refrigerant. It is illegal to vent that refrigerant to the atmosphere. Only persons qualified and experienced in the installation, service and repair of these products are authorised to undertake such work.

Fujitsu General Accredited Installers have shown they have the necessary equipment and have accepted responsibility for their installations and the requirements of any statutes or laws.

Due to ongoing Research and Development specifications and designs are subject to improvement without notice therefore relevant manuals must be consulted before any action is taken to install or service these products

Heating/Cooling capacities and run current tests are based on the requirements of AS/NZS3283, that standard tests at the temperature below.

COOLING: Indoor Temp: 27°C DB / 19°C WB
Outdoor Temp: 35°C DB

HEATING: Indoor Temp: 20°C DB
Outdoor Temp: 7°C DB / 6°C WB

As actual temperature ranges in New Zealand vary considerably only competent people should provide advice as to size and placement of units.

Sound power level is tested to AS/NZS1217.

Recommended cable sizes are based in AS/NZS3000 and AS/NZS3008.

Fujitsu General New Zealand Ltd warrants the equipment against any defects in materials and factory workmanship for a period of five years from the date of installation, or for 6 years if installed by an Accredited Installer.

This warranty does not cover defects or failures which are attributable to; incorrect or improper installation; environmental damage; airflow restriction; inadequate electrical supply; getting access to the product.



QAS is Accredited by the Joint Accreditation System of Australia and New Zealand. Acc No. S1250992AS



ISO 9002 Certified number: JQA-2005



ISO 14001 Certified number: EC98J1137



All products specified in this brochure comply with the Australian Communications Authority's (ACA) requirements for Electromagnetic Compatibility (EMC).



5 Year full parts and labour warranty. 6 years (an extra full year's warranty) when you use a Fujitsu Accredited installer.