



AIR COOLED

Ducted Split Units







ISD/OSA 465 ~ 950

Econex, providing leading efficiency and sustainability

Econex Inverter Ducted Split 14.9kW - 35.0kW 14.8kW - 35.1kW p.04

Large Capacity Ducted Split 38.5kw - 89.2kw 37.1kw - 93.0kw p. 20

PEOLOLI MADE

Heating Capacity

Cooling Capacity







ISD/OSA 465 ~ 950

Econex Inverter Ducted Split Features



Inverter Compressor Inverter compressor for superior part load performance



Custom select fan speeds or use 0-10VDC continuous speed

Intelligent Unit Controller

at its optimum efficiency

Ensures the unit runs

and provides system

Epoxy Coated Coils

Standard on indoor and

outdoor coils for added

operation data



Multi Speed Fans Multi speed condenser fans for better efficiency, control, and stable operation



Electronic Expansion Valve Electronic expansion valves for greater control and efficiency.



Corrosion Resistant Design Marine grade surface protection and epoxy coated coil protection



New Compact Design OSA 171-211 are more compact than previous units



coil protection

New Intelligent De-ice Quick & Efficient de-ice resulting in increased heating performance



Wide Temperature Operating Range From -15°C to +52°C ambient



Low GWP Refrigerant R32 refrigerant has a significantly lower GWP than R410A



BMS BACnet[™] or Modbus via RS485 (or TCP/IP option) *BACnet is optional accessory







Econex Inverter Ducted Split units (14.8kW - 32.7kW)

OSA 352 shown

Lower Global Warming Potential Air Conditioning

Leading the way in providing low GWP commercial R32 air conditioning solutions.

Lower global warming potential

With a smaller refrigerant charge and a GWP of 677, R32 refrigerant represents a 75-80% reduction in overall GWP per kW of cooling or heating when compared to R410A systems (GWP 2088)*.

As higher GWP refrigerants face increasing cost due to emissions tax levies the specification of R32 systems will represent a significant reduction in the future costs associated with owning and maintaining these systems.

R410A System

Reducing

future costs

R32 System

75-80% Reduction Global Warming Potential per kW (GWP)



*published to AR4

High Performance Design

very wide heating and cooling ranges

Extra capacity with

For versatile specification, all R32 ducted split systems offer a very wide heating and cooling capacity range enabling reliable comfort at times of peak load and increased energy savings under low load conditions.



Extreme weather operation

Designed for the harshest conditions, these R32 ducted units are designed to operate in ambient temperatures from -15°C to 52°C to ensure you're always comfortable, whatever the weather.



Inverter Technology

Econex Inverter compressor technology delivers precise control of indoor air temperatures for superior year round comfort with leading energy efficiency.



Inverter Comfort Control

Fixed speed air conditioners are single speed on/off systems. Once the desired temperature is reached, they turn off, turning back on only when the temperature drops below or rises above a set level. This cycling between full or no capacity causes unnecessary waste of electricity and doesn't maintain a constant room temperature.

The use of variable capacity inverter compressors allow a precise load variation response for superior temperature control. The use of electronic expansion valves and variable speed indoor and outdoor fans further allows a more effective, and efficient, response to varying load conditions.

Energy efficient

Econex inverter compressors only use the amount of energy to suit the operating condition maximising your SEER performance.

- > Soft starting, using much less power at start up.
- > Matching capacity to load avoids temperature fluctuation and reduces energy input power.



- > Full inverter compressor range from 16-100% compressor speed.
- Reduced amount of start/stop for long life operation.

Energy Saving Technology

Intelligent system control technology offers leading energy efficiency with precision control of the air conditioners refrigeration system.

EC Fan Technology Our high-efficiency EC fan motors are up to 20% more energy efficient than Belt drive or AC motor alternatives and enable quiet operation with slow ramp-up and no sudden noise changes. Achieve precise comfort with custom select fan speeds or continuously variable fan speed control.





Versatile solution for offices and shops



Electronic Expansion Valves (EEV)

Temperzone Econex EEV's allow optimum control of superheat at varying load. They also provide increased efficiencies by lowering head pressure and optimum feeding of heat exchanger coils. EEV's control liquid saturation over the coils, which in turn increases the opportunity to absorb energy.



Benefits include:

EEV

Accurator

- at part-load conditions.

EEV's enable improved efficiency and reduced operating costs

They also facilitate maximised energy savings during the shoulder seasons - periods in which air conditioning systems often run at part-load.

Durable Long Life Design

Econex ducted split units are designed to be highly durable and suited to the harshest environmental conditions.

Adaptive Valve Regulation

Temperzone's proprietary Adaptive Valve Regulation system (AVR) ensures that Temperzone inverter air conditioning systems run more efficiently and enjoy a longer operational life. AVR maximises efficiency in both heating and cooling cycles by regulating refrigerant flow capacity, allowing the system to maintain stability and efficiency over the full range of operating conditions.



Ideal (AVR)

Prolonged Flooding (Traditional

Overdamped)



Start

AVR also prevents:

- > Prolonged flooding (oil washed out of the system), which leads to seized bearings and compressor damage.
- > Improves Compressor Lifecycle.
- > Starving, which leads to HP/LP trips and reduced EER / Duty. Continuous starving leads to compressor motor overheat.

Intelligent De-ice

New intelligent de-ice enables improved heating performance in colder conditions. Optimised coil circuitry and new controller logic results in fast and more effective de-ice.

Econex de-ice is designed to support the full turn down of the compressor and de-ices from the top to the bottom of full height coil circuits. Utilising a highly balanced split circuit coil design prevents excess pressure drop as the refrigerant changes phase.

Allows:

- > Capacity during de-ice to be controlled to 10 °C condensing temps.
- > Aim to melt ice, not evaporate water. Evaporating water requires 6.75 more energy than melting ice.
- > Econex de-ice at a low capacity which is more efficient, and takes similar time as traditional de-ice.



- > Operation is extended up to 50 minute intervals between de-ice cycles, up from 35 min.
- > Better capacity control allows better room temp control under part load conditions.

Convenient Control

From advanced commercial controllers to stylish touch screen controllers, Temperzone has a control option to suit your space and application.

TZT-100

Temperzone's TZT-100 thermostat is an advanced controller suited to commercial environments. It delivers comprehensive control for your system not available with other thermostats.



Features

Modes – cool / cool-dry / heat / auto-dry / auto Set airflow - auto / low / med / hi (customisable) Key board and temperature locks 7 Day programmable time clock Set temperature: 5°C ~ 50°C at 0.5°C increments Remote sensor inputs

Programmable occupancy inputs
On demand override count down timer up to 12hrs
Filter monitor option (by hours)
Continuous or Intermittent fan operation
Connects to indoor (IUC) or outdoor (UC8) unit

SAT-3

Temperzone's SAT-3 thermostat is a cost effective solution for residential and commercial environments. It delivers comprehensive control of your ducted air conditioning system and advanced comfort settings.



Features

Modes – cool / dry / heat / auto
Set airflow - auto / low / med / hi (customisable)
Sleep, ECO, Dry, and Quiet functions
7 Day programmable time clock
Set temperature: 16°C ~ 30°C at 0.5°C increments
Auto start after power failure

Backlit screen - red in heating, blue in cooling On demand override count down timer up to 4hrs Zone control capable with temperzone zone kit Connects to indoor (IUC) or outdoor (UC8) unit Continuous or Intermittent fan operation



BMS Connectivity

Econex ducted split unit's can connect into a BMS for control and operation.

- Through the outdoor unit via the UC8's Modbus/RS485 port with multi-unit control capability.
- Through the indoor unit via the IUC's Modbus/RS485 port for centralised 0-10Vdc fan speed control.
- Up to 99 units can be connected on a common RS458 bus in daisy chain design.

- Daisy chain wiring saves on amount of wiring and required labour time.
- > BMS communication cable (2-wire shielded).
- > Maximum cable length of 1000m.

Easy Installation and Maintenance Design

Wiring and pipe access is made easy and convenient with a new removable corner access panel for electrical and piping access.

Easy wiring terminal access

Installer electrical access has been improved with connections more easily accessed through the corner panel. Outdoor units are fully wired and the main power supply along with communication connections can be wired directly within the panel. The corner panel allows easy installer piping access, pipework is now also accessed lower on the unit.

Slimline outdoor unit design To allow for installation flexibility and space savings the OSA 171 and OSA 211 outdoor units are only 425mm deep while the OSA 251 is 462mm deep.





Intuitive Unit Controllers

Econex Ducted Split units feature Temperzone outdoor (UC8) and indoor (IUC) unit controllers with powerful features enabling flexible solutions to meet various building requirements.



*Important note: when designing a zoned system, the smallest zone must meet the minimum space requirements for R32 refrigerant.

Simple Zone

SAT-3 Zone

Control System

System Wiring

via one concealed common unit.

Using the optional zone relay board which is installed in the indoor unit. dampers and sensors are easily wired into the system where they can communicate with the temperzone controller and outdoor unit for precise zone temperature and airflow control.

- > 1 shielded twisted pair cable between UC8 & IUC.
- > SAT-3 uses twin twisted pair shielded cable to connect to either Zone Board.
- Simple plug in wiring to dampers and temperature sensors

Features

Set up to 6 Independent zones
Push-button controller option (SAT-3)
Additional wall controller option
Individual zone temperature control
Set airflow for each zone
7 day time clock operation
Operating schedule setup for individual zones



Advanced Zone Control*

Offering a simple and elegant solution to the challenge of multi-zone temperature requirements, Temperzone ducted air conditioning systems enable the comfort levels of designated spaces to be individually set and maintained





Large Capacity Ducted Split Features



Digital Compressor* Enable 20-100% continuous system modulation for a wide capacity range and better humidity control at low capacity.



High Efficiency EC Fan* Can be controlled either as a speed or by 0-10VDC.

Intelligent Unit Controller

at its optimum efficiency

Ensures the unit runs

and provides system

operation data



Multi Speed Fans Multi speed condenser fans for better efficiency, control, and stable operation

Wide Temperature

Operating Range**

Dual Independent

Refrigeration Systems

Two independent refrigeration

systems to increase efficiency.

ambient

From -15°C to +52°C



Electronic Expansion Valve* Electronic expansion valves for greater control and efficiency.



Corrosion Resistant Design Marine grade surface protection and epoxy coated coil protection



EC Plug Fan* EC plug fans that precisely adjust airflow to change in static pressure.



Epoxy Coated Coils Standard on indoor and outdoor coils for added coil protection

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Vertical or Horizontal Supply Air Versatile solutions with multiple supply air options



BMS BACnet[™] or Modbus via RS485 (or TCP/IP option) *BACnet is optional accessory



*Feature not applicable to all units, refer to

**OSA 840 & 950 from -10°C

specification tables.

to +46°C ambient.





Large Capacity Ducted Split units (37.1kW - 93.0kW)

Better Performing Large Capacity Ducted Split Systems

When it comes to large capacity Ducted Split systems nothings better than Temperzone's efficient, durable and comprehensive range.

Dual Refrigeration Systems

independent refrigeration circuits to provide the flexibility and economy of two stage operation, i.e. utilising one or two circuits as conditions vary, plus the advantage of staggered starting.

These ducted split systems have two

Vertical or Horizontal Airflow Having the option to choose from either vertical or horizontal supply air discharge configurations provides the flexibility required when designing for various commercial air conditioning installations.

High Static EC Plug Fans* Improved efficiency and comfort through the supply of exact airflow requirements with variable airflow technology. Up to 50% more efficient than belt driven fans, and 20% more efficient than AC fans.

Intelligent UC6 or UC8 Controller*

*Feature not applicable to all units, refer to specification tables





Variable Capacity Compressors*

ECO units feature a variable capacity digital compressor and a fixed speed compressor allowing efficient close control with 20-100% continuous system capacity modulation. These systems also provide better humidity control at low capacity.

Electronic **Expansion Valves***

EEV's allow optimum control of superheat at varying load for outstanding comfort with indoor air temperature and humidity control. They also provide increased efficiencies by lowering head pressure and optimum feeding of heat exchanger coils.

UC6 Service Interface tool*

BMS Connectivity

Units featuring UC6 or UC8 controller are BMS compatible via digital and analogue signals or via Modbus. EC motors can be controlled variably by a 0-10 volt DC signal that can be supplied by the BMS system.

TZT-100

WiFi Service

Utility Tool

Temperzone's TZT-100 thermostat is an advanced controller suited to commercial environments. It delivers comprehensive control for your system not available with other thermostats.

WiFi Service Utility (WSU) is a portable control interface that plugs directly into the UC6, UC7 & UC8 board. Monitor a wide range of operational parameters, view fault logs and control the unit. It has a built in WiFi network for local wireless access from a smartphone, tablet or notebook PC.

*Feature not applicable to all units, refer to specification tables.

Many operating status conditions (including history) can be determined, without gauges, simply by using the optional UC6 Service Interface graphical display tool.









Standard

Optional

Econex Inverter Range **Options & Features**

The range of available temperzone options allows you to completely customise your unit, giving you flexibility and ultimate control.

ISD 351/0SA 352

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Model	ISD/OSA 171	ISD/OSA 211	ISD/OSA 251	
Features				
Inverter Compressor	•	•	•	
BMS Connection	•	•	•	
EC Fan Motor - supply air	•	•	•	
Custom Select Fan Speed settings	•	•	•	
0-10VDC Fan Speed Control	•	•	•	
Intelligent De-ice	•	•	•	
Variable Speed Condenser Fans	•	•	•	
Electronic Expansion Valve	•	•	•	
Separable Indoor Unit	•	•	•	
Self Diagnostics				
LED Display for faults and running conditions	•	•	•	
Filters				
EU4/G4 Rated (NZ only)				
Controller Options				
TZT-100				
SAT-3				
Zone Control (SAT-3)				

Standard Optional Not Applicable

el	ISD/OSA 380	ISD/OSA 465	ISD/OSA 570	ISD/OSA 670	ISD/OSA 840	ISD/OSA 950
ures						
Fixed Speed Compressor (x2)	•	•	•	•	-	_
Fixed Speed + Digital Compressor	•	_	•	•	•	•
Variable Speed Condenser Fans	•	•	•	•	•	•
0-10VDC Fan Speed Control	•		•	•	•	•
Electronic Expansion Valve	•	•	•	•	•	•
BMS Connection	•	•	•	•	•	•
oly Air						
EC Plug Fan	•	_	•	•	•	•
EC Fan Motor	•				_	_
AC Fan Motor (belt drive)	 	•	•	•	_	_
Horizontal Discharge	•	•	•	•	•	•
Vertical Discharge	•	•	•	•	•	•
Diagnostics						
LED Display for faults and running conditions	•	•	•	•	•	•
rs	I					
EU4/G4 Rated						
troller Options						
TZT-100						
UC6 Service Interface tool						

1	ISD/OSA 380	ISD/OSA 465	ISD/OSA 570	ISD/OSA 670	ISD/OSA 840	ISD/OSA 950
ires						
Fixed Speed Compressor (x2)	•	•	•	•	-	_
Fixed Speed + Digital Compressor	•	_	•	•	•	•
Variable Speed Condenser Fans	•	•	•	•	•	•
0-10VDC Fan Speed Control	•	_	•	•	•	•
Electronic Expansion Valve	•	•	•	•	•	•
BMS Connection	•	•	•	•	•	•
ly Air						
EC Plug Fan	•		•	•	•	•
EC Fan Motor	•					
AC Fan Motor (belt drive)	_	•	•	•		
Horizontal Discharge	•	•	•	•	•	•
Vertical Discharge	•	•	•	•	•	•
Diagnostics						
LED Display for faults and running conditions	•	•	•	•	•	•
s						
EU4/G4 Rated						
roller Options						
TZT-100						
UC6 Service Interface tool						

del	ISD/OSA 380	ISD/OSA 465	ISD/OSA 570	ISD/OSA 670	ISD/OSA 840	ISD/OSA 950
tures						
Fixed Speed Compressor (x2)	•	•	•	•	-	_
Fixed Speed + Digital Compressor	•	_	•	•	•	•
Variable Speed Condenser Fans	•	•	•	•	•	•
0-10VDC Fan Speed Control	•		•	•	•	•
Electronic Expansion Valve	•	•	•	•	•	•
BMS Connection	•	•	•	•	•	•
pply Air						
EC Plug Fan	•	_	•	•	•	•
EC Fan Motor	•	_	_		_	_
AC Fan Motor (belt drive)	_	•	•	•	_	_
Horizontal Discharge	•	•	•	•	•	•
Vertical Discharge	•	•	•	•	•	•
f Diagnostics						
LED Display for faults and running conditions	•	•	•	•	•	•
ers						
EU4/G4 Rated						
ntroller Options						
TZT-100						
UC6 Service Interface tool						

1	ISD/OSA 380	ISD/OSA 465	ISD/OSA 570	ISD/OSA 670	ISD/OSA 840	ISD/OSA 950
res						
Fixed Speed Compressor (x2)	•	•	•	•	_	_
Fixed Speed + Digital Compressor	•		•	•	•	•
Variable Speed Condenser Fans	•	•	•	•	•	•
0-10VDC Fan Speed Control	•	_	•	•	•	•
Electronic Expansion Valve	•	•	•	•	•	•
BMS Connection	•	•	•	•	•	•
ly Air						
EC Plug Fan	•	_	•	•	•	•
EC Fan Motor	•		_			
AC Fan Motor (belt drive)	_	•	•	•	_	_
Horizontal Discharge	•	•	•	•	•	•
Vertical Discharge	•	•	•	•	•	•
Diagnostics						
LED Display for faults and running conditions	•	•	•	•	•	•
s						
EU4/G4 Rated						
oller Options						
TZT-100						
UC6 Service Interface tool						

el	ISD/OSA 380	ISD/OSA 465	ISD/OSA 570	ISD/OSA 670	ISD/OSA 840	ISD/OSA 950
ures						
Fixed Speed Compressor (x2)	•	•	•	•	-	_
Fixed Speed + Digital Compressor	•	_	•	•	•	•
Variable Speed Condenser Fans	•	•	•	•	•	•
0-10VDC Fan Speed Control	•		•	•	•	•
Electronic Expansion Valve	•	•	•	•	•	•
BMS Connection	•	•	•	•	•	•
oly Air						
EC Plug Fan	•	_	•	•	•	•
EC Fan Motor	•				_	_
AC Fan Motor (belt drive)	 	•	•	•	_	_
Horizontal Discharge	•	•	•	•	•	•
Vertical Discharge	•	•	•	•	•	•
Diagnostics						
LED Display for faults and running conditions	•	•	•	•	•	•
rs	I					
EU4/G4 Rated						
troller Options						
TZT-100						
UC6 Service Interface tool						

Large Capacity Range **Options & Features**

Econex Inverter Range Technical Specifications

nde	oor Unit	ISD 171LYX	ISD 171LYX	ISD 211LYX	ISD 251LYX	ISD 351LYX
Outdoor Unit		OSA 171RLSF	OSA 171RLTF	OSA 211RLTF	OSA 251RLTF	OSA 352RLTFV
Cap	pacity (kW)					
	Nominal Cooling Capacity*1	14.8 (8.6~18.5)	14.8 (8.6~18.5)	19.5 (9.4~25.3)	23.3 (13.3~29.5)	32 .7 (13.5 ~37.1)
	Net Cooling Capacity* ²	14.5	14.5	19	22.5	31.5
	Heating Capacity* ³	14.9 (7.0~18.3)	14.9 (7.0~18.3)	20.8 (8.4~25.6)	23.3 (10.4~29.2)	31.3 (12.0~35.3)

EER/COP

EER / AEER Cooling	3.15 / 3.12	3.26 / 3.23	3.15 / 3.13	3.19 / 3.17	3.14 / 3.13
COP / ACOP Heating	3.28 / 3.25	3.42 / 3.39	3.57 / 3.54	3.48 / 3.45	3.36 / 3.35

Power

Power Supply*4	1 Phase 220 - 240V	3 phase 380 - 415 VAC 50 Hz				
Run Amps - Total System (A/ph)	21	9/6.5/6.5	13/9/10	16 / 10 / 10.5	17 / 12 / 17	
Max Run Amps - Total System (A/ph)	35	15 / 11 / 11	23 / 14.5 / 15.5	24 / 15.5 / 15.5	30.5 / 21 / 24	
Indoor Fan Full Load Amps (A)	3.5	3.5	б	6	10	
Controller	UC8 / IUC					

Compressor

Туре	DC Inverter
Refrigerant	R32

Indoor Air Fans

Туре	Foward Curved
Motor	EC Fan

- Notes: *1 Nominal Cooling Capacity at AS/NZS 3823 conditions.
- *3 Heating Capacity (reverse cycle units only) at AS/NZS
- *2 Net Cooling Capacity at AS/NZS 3823 includes *4 Power source includes voltage limits.
 - an allowance for indoor fan motor heat loss. *5 Supply air flow at Nominal Cooling Capacity conditions stated above.

oor Unit door Unit	ISD 171LYXOSA 171RLSF	ISD 171LYXOSA 171RLTF	ISD 211LYXOSA 211RLTF	ISD 251LYXOSA 251RLTF	ISD 351LYXOSA 352RLTFV
low (l/s)					
Nominal* ⁵	800	800	1050	1300	1750
tallation (m)					
Max Vertical Separation	20				
Pre-charge Line Length	15				10
Max Line Length	60				90
Pipe Sizes - Suction / Liquid (mm OD)	19 / 9.5			22 / 13	28 / 13
Indoor Unit / Outdoor Unit 	Zinc Galvanised Ste	eel / Grey Polyester I	Powder Coat		
Cooling	-10°C to 52°C				
Heating	-15°C to 25°C				
erall Dimensions (mm)					
Indoor - W x H x D	1280 x 430 x 785		1470 x 430 x 785	1630 x 430 x 785	2020 x 435 x 698
Outdoor - W x H x D	1120 x 965 x 425		1155 x 1270 x 425	1335 x 1385 x 425	1595 x 1307 x 840
ight (kg)					
Nett - Indoor / Outdoor	68 / 101	68 / 105	86 / 129	89 / 161	124 / 254
Shipping - Indoor / Outdoor	78 / 111	78 / 115	97 / 136	101 / 168	140 / 266

oor Unit tdoor Unit	ISD 171LYXOSA 171RLSF	ISD 171LYXOSA 171RLTF	ISD 211LYXOSA 211RLTF	ISD 251LYXOSA 251RLTF	ISD 351LYXOSA 352RLTFV
flow (I/s)					
Nominal* ⁵	800	800	1050	1300	1750
tallation (m)					
Max Vertical Separation	20				
Pre-charge Line Length	15				10
Max Line Length	60				90
Pipe Sizes - Suction / Liquid (mm OD)	19 / 9.5			22 / 13	28 / 13
Indoor Unit / Outdoor Unit	Zinc Galvanised Ste	eel / Grey Polyester I	Powder Coat		
Cooling	-10°C to 52°C				
Heating	-15°C to 25°C				
	1280 v /30 v 785		1470 v 430 v 785	1630 v /30 v 785	2020 x 435 x 698
Outdoor - W x H x D	1120 x 965 x 425		1155 x 1270 x 425	1335 x 1385 x 425	1595 x 1307 x 840
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oor Unit tdoor Unit	 ISD 171LYX OSA 171RLSF 	 ISD 171LYX OSA 171RLTF 	 ISD 211LYX OSA 211RLTF 	 ISD 251LYX OSA 251RLTF 	ISD 351LYXOSA 352RLTFV
flow (I/s)					
Nominal* ⁵	800	800	1050	1300	1750
tallation (m)					
Max Vertical Separation	20				
Pre-charge Line Length	15				10
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Pipe Sizes - Suction / Liquid (mm OD)	19 / 9.5			22 / 13	28 / 13
ish					
Indoor Unit / Outdoor Unit	Zinc Galvanised St	eel / Grey Polyester	Powder Coat		
erating Range					
Cooling	-10°C to 52°C				
Heating	-15°C to 25°C				
erall Dimensions (mm)					
Indoor - W x H x D	1280 x 430 x 785		1470 x 430 x 785	1630 x 430 x 785	2020 x 435 x 698
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Shipping - Indoor / Outdoor	78 / 111	78 / 115	97 / 136	101 / 168	140 / 266

door Unit	ISD 171LYX	ISD 171LYX	ISD 211LYX	ISD 251LYX	ISD 351LYX
itdoor Unit	OSA 171RLSF	OSA 171RLTF	OSA 211RLTF	OSA 251RLTF	OSA 352RLTFV
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Nominal*5	800	800	1050	1300	1750
stallation (m)					
Max Vertical Separation	20				
Pre-charge Line Length	15				10
Max Line Length	60				90
Pipe Sizes - Suction / Liquid (mm OD)	19 / 9.5			22 / 13	28 / 13
nish					
Indoor Unit / Outdoor Unit	Zinc Galvanised Ste	eel / Grey Polyester I	Powder Coat		
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Cooling	-10°C to 52°C				
Heating	-15°C to 25°C				
erall Dimensions (mm)					
Indoor - W x H x D	1280 x 430 x 785		1470 x 430 x 785	1630 x 430 x 785	2020 x 435 x 698
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eight (kg)					
Nett - Indoor / Outdoor	68 / 101	68 / 105	86 / 129	89 / 161	124 / 254
Shipping - Indoor / Outdoor	78 / 111	78 / 115	97 / 136	101 / 168	140 / 266
Notes Continued:	Compliance: AS/NZS 3823.2:2013 Minin AS/NZS 60335.2.40:2019 AS/NZS 61000.6.8:2021 E AS 4506:2005 Powder coa	mum Energy Performance Safety of Electrical Appliar MC standard t salt soray Cl <u>ass D High M</u>	Material standards notice d ces develop arine	s and specifications are subje ue to the manufacturer's ongc ment programme.	ct to change without ing research and



Large Capacity Range Technical Specifications

	ECO	ECO		ECO	
ndoor Unit	ISD 380KBY	ISD 380KB-P	ISD 465KB	ISD 570-P	ISD 570KB
utdoor Unit	OSA 380RKTB(G)	OSA 380RKTB(G)	OSA 465RKTVB	OSA 570RKTBG	OSA 570RKTB
apacity (kW)					
Nominal Cooling Capacity*1	8.0 - 37.6	7.5 - 37.1	44.6	11.3 - 56.6	56.1
Net Cooling Capacity* ²	36.4	35.9	42.6	55.0	54.0
Heating Capacity* ³	38.8 (7.2 - 35.9)* ⁷	38.5 (7.1 - 35.7)* ⁷	44.0	10.6 - 53.4	55.9
ER/COP					
EER / AEER Cooling	3.26 / 3.21	3.20 / 3.15	2.98 / 2.95	3.27 / 3.26	3.10 / 3.09
COP / ACOP Heating	3.46 / 3.44	3.43 / 3.41	3.53 / 3.51	3.48 / 3.46	3.37 / 3.35
ower					
Power Supply*4	3 phase 380 - 415 \	/AC 50 Hz			
Power Supply*4 Run Amps - Total System (A/ph)	3 phase 380 - 415 \ 	/AC 50 Hz 17 / 22 / 17	31 / 26 / 25	34 / 28 / 27	38 / 33 / 32
Power Supply*4 Run Amps - Total System (A/ph) Max Run Amps - Total System (A/ph)	3 phase 380 - 415 \ 16 / 20 / 20 21 / 25 / 25	/AC 50 Hz 17 / 22 / 17 22 / 27 / 22	31 / 26 / 25	<u>34 / 28 / 27</u> 44 / 38 / 37	<u>38 / 33 / 32</u>
Power Supply*4 Run Amps - Total System (A/ph) Max Run Amps - Total System (A/ph) Indoor Fan Full Load Amps (A)	3 phase 380 - 415 V 16 / 20 / 20 21 / 25 / 25 6 (x2)	/AC 50 Hz 17 / 22 / 17 22 / 27 / 22 2.5 (x2)	31 / 26 / 25 43 / 37 / 37 6.2	34 / 28 / 27 44 / 38 / 37 5.7	38 / 33 / 32 47 / 42 / 41 11.0
Power Supply*4 Run Amps - Total System (A/ph) Max Run Amps - Total System (A/ph) Indoor Fan Full Load Amps (A) Controller	3 phase 380 - 415 V 16 / 20 / 20 21 / 25 / 25 6 (x2) UC6	/AC 50 Hz 17 / 22 / 17 22 / 27 / 22 2.5 (x2)	31 / 26 / 25 43 / 37 / 37 6.2	34 / 28 / 27 44 / 38 / 37 5.7	38 / 33 / 32 47 / 42 / 41 11.0
Power Supply*4 Run Amps - Total System (A/ph) Max Run Amps - Total System (A/ph) Indoor Fan Full Load Amps (A) Controller	3 phase 380 - 415 V 16 / 20 / 20 21 / 25 / 25 6 (x2) UC6	/AC 50 Hz 17 / 22 / 17 22 / 27 / 22 2.5 (x2)	31 / 26 / 25 43 / 37 / 37 6.2	34 / 28 / 27 44 / 38 / 37 5.7	38 / 33 / 32 47 / 42 / 41 11.0
Power Supply*4 Run Amps - Total System (A/ph) Max Run Amps - Total System (A/ph) Indoor Fan Full Load Amps (A) Controller	3 phase 380 - 415 V 16 / 20 / 20 21 / 25 / 25 6 (x2) UC6	/AC 50 Hz 17 / 22 / 17 22 / 27 / 22 2.5 (x2)	31 / 26 / 25 43 / 37 / 37 6.2	34 / 28 / 27 44 / 38 / 37 5.7	38 / 33 / 32 47 / 42 / 41 11.0
Power Supply*4 Run Amps - Total System (A/ph) Max Run Amps - Total System (A/ph) Indoor Fan Full Load Amps (A) Controller ompressor Type	3 phase 380 - 415 V 16 / 20 / 20 21 / 25 / 25 6 (x2) UC6 Fixed x2 (Fixed + D	/AC 50 Hz 17 / 22 / 17 22 / 27 / 22 2.5 (x2) igital)*7	31 / 26 / 25 43 / 37 / 37 6.2 Fixed x2	34 / 28 / 27 44 / 38 / 37 5.7 Fixed + Digital	38 / 33 / 32 47 / 42 / 41 11.0 Fixed x2

Indoor Air Fans

Туре	Foward Curved	Backward Curved	Foward Curved	Backward Curved	Foward Curved
Motor	EC	EC Plug	Belt Drive	EC Plug	Belt Drive

*1 Nominal Cooling Capacity at AS/NZS Notes: 3823 conditions.

*3 Heating Capacity (reverse cycle units only) at AS/NZS

*2 Net Cooling Capacity at AS/NZS 3823 includes *4 Power source includes voltage limits. an allowance for indoor fan motor heat loss. *5 Supply air flow at Nominal Cooling Capacity conditions stated above.

					PROUDLY MADE IN AUSTRALIA ISD/OSA 465 ~ 950
	ECO	ECO		ECO	
oor Unit	ISD 380KBY	ISD 380KB-P	ISD 465KB	ISD 570-P	ISD 570KB
door Unit	OSA 380RKTB(G)	OSA 380RKTB(0	G) 🔵 OSA 465RKTVB	OSA 570RKTBG	OSA 570RKTB
ow (l/s)					
Nominal*5	2100	2100	2550	3100	3100
allation (m)					
Max Vertical Separation	20				
Pre-charge Line Length	10				
Max Line Length	60		30 or 60*6	60 / 90	
Pipe Sizes - Suction / Liquid (mm OD)	22 / 13			(28 or 35)* ⁶ / 13	
sh	7ing Onlygning Ot		Davidar Or et		
		eel / Grey Polyester	Powder Coal		
rating Range					
Cooling	-10°C to 52°C				
Heating	-15°C to 25°C				
rall Dimensions (mm)					
Indoor - W x H x D	2315 x 705 x 830		1565 x 1210 x 1200	1650 x 1150 x 1345	-)
Outdoor - W x H x D	1480 x 1420 x 1710		1480 x 1270 x 1790	1480 x 1345 x 1755	5
ght (kg)					
Nett - Indoor / Outdoor	203 / 458	169 / 458	277 / 445	333 / 511	333 / 511
Shipping - Indoor / Outdoor	226 / 511	195 / 511	300 / 490	380 / 565	380 / 565

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			(PROUDLY MADE IN AUSTRALIA ISD/OSA 465 ~ 950
ECO	ECO		ECO	
ISD 380KBY	ISD 380KB-P	ISD 465KB	ISD 570-P	ISD 570KB
OSA 380RKTB(G)	OSA 380RKTB(G	6) 🛑 OSA 465RKTVB	OSA 570RKTBG	OSA 570RKTB
2100	2100	2550	3100	3100
20				
10				
60		30 or 60*6	60 / 90	
22 / 13			(28 or 35)*6 / 13	
Zinc Galvanised Ste	eel / Grey Polyester	Powder Coat		
-10°C to 52°C				
-15°C to 25°C				
2315 x 705 x 830		1565 x 1210 x 1200	1650 x 1150 x 1345	
1480 x 1420 x 1710		1480 x 1270 x 1790	1480 x 1345 x 1755	
203 / 458	169 / 458	277 / 445	333 / 511	333 / 511
226 / 511	195 / 511	300 / 490	380 / 565	380 / 565
	ECO ISD 380KBY OSA 380RKTB(G) 2100 2100 20 10 60 22 / 13 Zinc Galvanised Sta -10°C to 52°C -15°C to 25°C -15°C to 25°C 2315 × 705 × 830 1480 × 1420 × 1710 203 / 458 226 / 511	ECO ECO ISD 380KBY ISD 380KB-P OSA 380RKTB(G) OSA 380RKTB(G) 2100 2100 20 2100 10 20 60 22 / 13 Zinc Galvanised Steel / Grey Polyester -10°C to 52°C -15°C to 25°C 2315 x 705 x 830 1480 x 1420 x 1710 203 / 458 169 / 458 226 / 511 195 / 511	ECO ECO ISD 380KBY ISD 380KB-P ISD 465KB OSA 380RKTB(G) OSA 380RKTB(G) OSA 465RKTVB 2100 2100 2550 20 20 20 10 30 or 60*6 22 / 13 30 or 60*6 22 / 13 30 or 60*6 210°C to 52°C 15°C to 25°C -10°C to 52°C 1565 x 1210 x 1200 1480 x 1420 x 1710 1480 x 1270 x 1790 203 / 458 169 / 458 277 / 445 226 / 511 195 / 511 300 / 490	ECO ECO ECO ISD 380KBY ISD 380KB-P ISD 465KB ISD 570-P OSA 380RKTB(G) OSA 380RKTB(G) OSA 465RKTVB OSA 570RKTBG 2100 2100 2550 3100 20 10 10 10 60 30 or 60*6 60 / 90 22 / 13 ZInc Galvanised Steel / Grey Polyester Powder Coat (28 or 35)*c / 13 10 -10*C to 52*C 1565 x 1210 x 1200 1650 x 1150 x 1345 1480 x 1420 x 1710 1480 x 1270 x 1790 1480 x 1345 x 1756 203 / 458 169 / 458 277 / 445 333 / 511 203 / 458 169 / 458 277 / 445 333 / 511

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			(PROUDLY MADE IN AUSTRALIA ISD/OSA 465 ~ 950
ECO	ECO		ECO	
ISD 380KBY	ISD 380KB-P	ISD 465KB	ISD 570-P	ISD 570KB
OSA 380RKTB(G)	OSA 380RKTB(G	6) 🛑 OSA 465RKTVB	OSA 570RKTBG	OSA 570RKTB
2100	2100	2550	3100	3100
20				
10				
60		30 or 60*6	60 / 90	
22 / 13			(28 or 35)*6 / 13	
Zinc Galvanised Ste	eel / Grey Polyester	Powder Coat		
-10°C to 52°C				
-15°C to 25°C				
2315 x 705 x 830		1565 x 1210 x 1200	1650 x 1150 x 1345	
1480 x 1420 x 1710		1480 x 1270 x 1790	1480 x 1345 x 1755	
203 / 458	169 / 458	277 / 445	333 / 511	333 / 511
226 / 511	195 / 511	300 / 490	380 / 565	380 / 565
	ECO ISD 380KBY OSA 380RKTB(G) 2100 2100 20 10 60 22 / 13 Zinc Galvanised Sta -10°C to 52°C -15°C to 25°C -15°C to 25°C 2315 × 705 × 830 1480 × 1420 × 1710 203 / 458 226 / 511	ECO ECO ISD 380KBY ISD 380KB-P OSA 380RKTB(G) OSA 380RKTB(G) 2100 2100 20 2100 10 20 60 22 / 13 Zinc Galvanised Steel / Grey Polyester -10°C to 52°C -15°C to 25°C 2315 x 705 x 830 1480 x 1420 x 1710 203 / 458 169 / 458 226 / 511 195 / 511	ECO ECO ISD 380KBY ISD 380KB-P ISD 465KB OSA 380RKTB(G) OSA 380RKTB(G) OSA 465RKTVB 2100 2100 2550 20 20 20 10 30 or 60*6 22 / 13 30 or 60*6 22 / 13 30 or 60*6 210°C to 52°C 15°C to 25°C -10°C to 52°C 1565 x 1210 x 1200 1480 x 1420 x 1710 1480 x 1270 x 1790 203 / 458 169 / 458 277 / 445 226 / 511 195 / 511 300 / 490	ECO ECO ECO ISD 380KBY ISD 380KB-P ISD 465KB ISD 570-P OSA 380RKTB(G) OSA 380RKTB(G) OSA 465RKTVB OSA 570RKTBG 2100 2100 2550 3100 20 10 10 10 60 30 or 60*6 60 / 90 22 / 13 ZInc Galvanised Steel / Grey Polyester Powder Coat (28 or 35)*c / 13 10 -10*C to 52*C 1565 x 1210 x 1200 1650 x 1150 x 1345 1480 x 1420 x 1710 1480 x 1270 x 1790 1480 x 1345 x 1756 203 / 458 169 / 458 277 / 445 333 / 511 203 / 458 169 / 458 277 / 445 333 / 511

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					PROUDLY MADE IN AUSTRALIA ISD/OSA 465 ~ 950
	ECO	ECO		ECO	
or Unit	ISD 380KBY	ISD 380KB-P	ISD 465KB	ISD 570-P	ISD 570KB
oor Unit	OSA 380RKTB(G) 🛑 OSA 380RKTB(G)	OSA 465RKTVB	OSA 570RKTBG	OSA 570RKTB
ow (l/s)					
Nominal*5	2100	2100	2550	3100	3100
llation (m)					
Max Vertical Separation	20				
Pre-charge Line Length	10				
Max Line Length	60		30 or 60*6	60 / 90	
Pipe Sizes - Suction / Liquid (mm OD)	22 / 13			(28 or 35)* ⁶ / 13	
h Indoor Unit / Outdoor Unit 	Zinc Galvanised S	teel / Grey Polyester P	Powder Coat		
Cooling	-10°C to 52°C				
Heating	-15°C to 25°C				
all Dimensions (mm)					
Indoor - W x H x D	2315 x 705 x 830		1565 x 1210 x 1200	1650 x 1150 x 1345	
Outdoor - W x H x D	1480 x 1420 x 1710)	1480 x 1270 x 1790	1480 x 1345 x 1755	
ht (kg)					
Nett - Indoor / Outdoor	203 / 458	169 / 458	277 / 445	333 / 511	333 / 511
Shipping - Indoor / Outdoor	226 / 511	195 / 511	300 / 490	380 / 565	380 / 565
	Notes *6 Ext Continued: *7 () ! ma ie C	tra suction accumulation requ Bracketed figure is performar Itched to digital outdoor unit, DSA 380RKTBG.	uired. Materials noe when notice due developm	and specifications are subje to the manufacturer's ongo ent programme.	ect to change without oing research and

Large Capacity Range Technical Specifications

	ECO		ECO	ECO
Indoor Unit	ISD 670-P	ISD 670KB	ISD 840KBX-P	ISD 950KBX-P
Outdoor Unit	OSA 670RKTBG	OSA 670RKTB	OSA 840RKTBG	OSA 950RKTBG
Capacity kW				
Nominal Cooling Capacity*1	13.1 - 65.5	65.9	84.6 (16.9~84.6)	93.0 (18.6~93.0)
Net Cooling Capacity* ²	63.0	62.8	81.3	89.8
Heating Capacity* ³	12.4 - 62.0	62.8	78.4	89.2
EER/COP				
EER / AEER Cooling	3.07 / 3.06	2.97 / 2.96	3.20 / 3.19	3.11 / 3.10
COP / ACOP Heating	3.43 / 3.41	3.47 / 3.45	3.68 / 3.67	3.51 / 3.50
Power				
Power Supply*4		3 phase 380	- 415 VAC 50 Hz	
		00/10/00		

Max Run Amps - Total System (A/ph)	45 / 50 / 44	50 / 54 / 48	74 / 64 / 64	84 / 74 / 74
Indoor Fan Full Load Amps (A)	5.7	11.0	4.6 (x2)	9.2 (x2)
Controller	U	C6	UC8 x	2 / IUC

Compressor

Туре	Digital + Fixed	Fixed (x2)	Digital + Fixed
Refrigerant		R4	10A

Indoor Air Fans

Туре	Backward Curved	Forward Curved	Backward Curved
Motor	EC Plug	Belt Drive	EC Plug

Notes:	Nominal Cooling Capacity at AS/NZS
	3823 conditions.
	Net Cooling Capacity at AS/NZS 3823 incl
	an allowance for indoor fan motor heat los

*³ Heating Capacity (reverse cycle units only) at AS/NZS 3823 conditions.

*4 Power source includes voltage limits.

	ECO		ECO	ECO
r Unit	ISD 670-P	ISD 670KB	ISD 840KBX-P	ISD 950KBX-P
or Unit	OSA 670RKTBG	OSA 670RKTB	OSA 840RKTBG	OSA 950RKTBG
ı (l/s)				
ominal*5	3	600	4500	5000
ation (m)				
Max Vertical Separation			20	
re-charge Line Length			10	
1ax Line Length	60) / 90		90
ipe Sizes - Suction / Liquid (mm O	D) (28 or 5	35)*6 / 13	3	5 / 16
ndoor Unit / Outdoor Unit ting Range	Z	inc Galvanised Steel /	Grey Polyester Powder	Coat
ndoor Unit / Outdoor Unit ting Range Cooling	Z 	inc Galvanised Steel / to 52°C	Grey Polyester Powder	Coat C to 46°C
ndoor Unit / Outdoor Unit ting Range Cooling Heating		inc Galvanised Steel / to 52°C -15°(Grey Polyester Powder -10°C	Coat C to 46°C
ndoor Unit / Outdoor Unit ting Range Cooling Heating	Z 	inc Galvanised Steel / to 52°C -15°(Grey Polyester Powder -10°C C to 25°C	Coat C to 46°C
ndoor Unit / Outdoor Unit ting Range Cooling Heating	Z	inc Galvanised Steel / to 52°C -15°(150 x 1345	Grey Polyester Powder -10°C C to 25°C 2220 x 1070 x 1320	Coat C to 46°C 2220 x 1280 x 1320
hdoor Unit / Outdoor Unit ting Range Cooling Heating I Dimensions (mm) hdoor - W x H x D	Z	inc Galvanised Steel / • to 52°C -15°(150 x 1345 390 x 1755	Grey Polyester Powder 10°C C to 25°C 	Coat C to 46°C 2220 x 1280 x 1320 1210 x 2310
ndoor Unit / Outdoor Unit ing Range rooling leating I Dimensions (mm) ndoor - W x H x D putdoor - W x H x D	Z	inc Galvanised Steel / : to 52°C -15°(150 x 1345 390 x 1755	Grey Polyester Powder 10°C C to 25°C 	Coat Coat Coat Coat Coat Coat Coat Coat
ndoor Unit / Outdoor Unit ing Range cooling leating I Dimensions (mm) ndoor - W x H x D butdoor - W x H x D butdoor - W x H x D	Z	inc Galvanised Steel / • to 52°C -15°C 150 x 1345 390 x 1755	Grey Polyester Powder -10°C C to 25°C - 2220 x 1070 x 1320 - 1680 x 1 - 1680 x 1	Coat C to 46°C 2220 x 1280 x 1320 1210 x 2310
ndoor Unit / Outdoor Unit ting Range Cooling Heating I Dimensions (mm) ndoor - W x H x D Outdoor - W x H x D t (kg) Hett - Indoor / Outdoor	Z	inc Galvanised Steel / to 52°C -15°C 150 x 1345 390 x 1755 350 / 541	Grey Polyester Powder -10°C C to 25°C 2220 x 1070 x 1320 1680 x 1 1680 x 1 351 / 575	Coat

r Unit oor Unit	ECO ISD 670-P OSA 670RKTBG	ISD 670KBOSA 670RKTB	ECO ISD 840KBX-P OSA 840RKTBG	ECO ISD 950KBX-P OSA 950RKTBG
y (l/s)				
ominal* ⁵		3600	4500	5000
ation (m)				
lax Vertical Separation			20	
re-charge Line Length			10	
ax Line Length		50 / 90		90
ipe Sizes - Suction / Liquid (mm OI	(28 o	r 35)* ⁶ / 13	35	5 / 16
ndoor Unit / Outdoor Unit ting Range	-10°	Zinc Galvanised Steel / C to 52°C	Grey Polyester Powder (-10°C	Coat to 46°C
ndoor Unit / Outdoor Unit ting Range Cooling Heating		Zinc Galvanised Steel / C to 52°C 	Grey Polyester Powder C 	Coat to 46°C
ndoor Unit / Outdoor Unit ting Range Cooling Heating Il Dimensions (mm) ndoor - W x H x D Dutdoor - W x H x D		Zinc Galvanised Steel / C to 52°C -15°C 1150 x 1345 1390 x 1755	Grey Polyester Powder (-10°C C to 25°C 2220 x 1070 x 1320 1680 x 1	Coat to 46°C
ndoor Unit / Outdoor Unit ting Range Cooling Heating Il Dimensions (mm) ndoor - W x H x D Dutdoor - W x H x D	-10° 	Zinc Galvanised Steel / C to 52°C -15°C 1150 x 1345 1390 x 1755	Grey Polyester Powder (-10°C C to 25°C - 2220 x 1070 x 1320 - 1680 x 1	Coat to 46°C
ndoor Unit / Outdoor Unit ting Range Cooling Heating Il Dimensions (mm) ndoor - W x H x D Outdoor - W x H x D Outdoor - W x H x D	10° 	Zinc Galvanised Steel / C to 52°C -15°C 1150 x 1345 1390 x 1755 350 / 541	Grey Polyester Powder (-10°C C to 25°C 2220 x 1070 x 1320 1680 x 1 1680 x 1 351 / 575	Coat to 46°C 2220 x 1280 x 1320 210 x 2310

oor Unit	ECO	ISD 670KB	ECO	ISD/OSA ECO
door Unit	 OSA 670RKTBG 	OSA 670RKTB	OSA 840RKTBG	OSA 950RKTBG
low (l/s)				
Nominal*5	3	3600	4500	5000
allation (m)				
Max Vertical Separation			20	
Pre-charge Line Length			10	
Max Line Length	60) / 90		90
	(20 or	35)*6 / 13	3	5 / 16
Pipe Sizes - Suction / Liquid (mm C	(28 01 			
Pipe Sizes - Suction / Liquid (mm C sh Indoor Unit / Outdoor Unit rating Range	(28 01 Z Z 10°C	inc Galvanised Steel /	Grey Polyester Powder	Coat Coat
Pipe Sizes - Suction / Liquid (mm C sh Indoor Unit / Outdoor Unit rating Range Cooling Heating		inc Galvanised Steel / to 52°C -15°C	Grey Polyester Powder	Coat Coat
Pipe Sizes - Suction / Liquid (mm C sh Indoor Unit / Outdoor Unit erating Range Cooling Heating erall Dimensions (mm) Indoor - W x H x D		inc Galvanised Steel / c to 52°C -15°(150 x 1345	Grey Polyester Powder d -10°C C to 25°C 2220 x 1070 x 1320	Coat 2 to 46°C 2220 x 1280 x 1320
Pipe Sizes - Suction / Liquid (mm C sh Indoor Unit / Outdoor Unit rating Range Cooling Heating rall Dimensions (mm) Indoor - W x H x D Outdoor - W x H x D		inc Galvanised Steel / c to 52°C -15°C 150 x 1345 390 x 1755	Grey Polyester Powder (-10°C C to 25°C 2220 x 1070 x 1320 1680 x ⁻	$\frac{2220 \times 1280 \times 1320}{1210 \times 2310}$
Pipe Sizes - Suction / Liquid (mm C sh Indoor Unit / Outdoor Unit erating Range Cooling Heating erall Dimensions (mm) Indoor - W x H x D Outdoor - W x H x D Sight (kg) Nett - Indoor / Outdoor	$\begin{array}{c} 100 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	inc Galvanised Steel / to 52°C -15°(150 x 1345 390 x 1755 350 / 541	Grey Polyester Powder (-10°C C to 25°C 2220 x 1070 x 1320 1680 x 7 351 / 575	Coat Coat Cto 46°C <u>2220 x 1280 x 1320</u> 1210 x 2310 401 / 579

				100/00
	ECO		ECO	ECO
or Unit	ISD 670-P	ISD 670KB	ISD 840KBX-P	ISD 950KBX-P
oor Unit	OSA 670RKTBG	OSA 670RKTB	OSA 840RKTBG	OSA 950RKTBG
w (l/s)				
Nominal* ⁵	3	600	4500	5000
Max Vertical Separation			20	
Pre-charge Line Length			10	
Max Line Length	60) / 90		90
Pipe Sizes - Suction / Liquid (mm 0	D) (28 or)	35)*6 / 13	3!	5 / 16
h				
h Indoor Unit / Outdoor Unit	Z	inc Galvanised Steel /	Grey Polyester Powder (Coat
h Indoor Unit / Outdoor Unit ating Range	Z	inc Galvanised Steel /	Grey Polyester Powder (Coat
h Indoor Unit / Outdoor Unit ating Range Cooling	Z 	inc Galvanised Steel / to 52°C	Grey Polyester Powder (Coat c to 46°C
h Indoor Unit / Outdoor Unit ating Range Cooling Heating	Z 	inc Galvanised Steel / to 52°C -15°(Grey Polyester Powder (Coat e to 46°C
n Indoor Unit / Outdoor Unit ating Range Cooling Heating all Dimensions (mm)	Z 	inc Galvanised Steel / to 52°C -15°(Grey Polyester Powder (Coat e to 46°C
h Indoor Unit / Outdoor Unit ating Range Cooling Heating all Dimensions (mm) Indoor - W x H x D	Z 	inc Galvanised Steel / to 52°C -15°C 150 x 1345	Grey Polyester Powder (-10°C C to 25°C 2220 x 1070 x 1320	Coat 2 to 46°C 2220 x 1280 x 1320
h Indoor Unit / Outdoor Unit ating Range Cooling Heating All Dimensions (mm) Indoor - W x H x D Outdoor - W x H x D	Z	inc Galvanised Steel / • to 52°C -15°C 150 x 1345 390 x 1755	Grey Polyester Powder (-10°C C to 25°C 2220 x 1070 x 1320 1680 x 1	Coat Coat
Indoor Unit / Outdoor Unit Ating Range Cooling Heating All Dimensions (mm) Indoor - W x H x D Outdoor - W x H x D	Z	inc Galvanised Steel / to 52°C -15°(150 x 1345 390 x 1755	Grey Polyester Powder (-10°C C to 25°C 2220 x 1070 x 1320 1680 x 1	Coat 2 to 46°C 2220 x 1280 x 1320 1210 x 2310
n Indoor Unit / Outdoor Unit ating Range Cooling Heating All Dimensions (mm) Indoor - W x H x D Outdoor - W x H x D	Z	inc Galvanised Steel / • to 52°C -15°(150 x 1345 390 x 1755	Grey Polyester Powder (-10°C C to 25°C 	Coat 2 to 46°C 2220 x 1280 x 1320 1210 x 2310
h Indoor Unit / Outdoor Unit ating Range Cooling Heating all Dimensions (mm) Indoor - W x H x D Outdoor - W x H x D ht (kg) Nett - Indoor / Outdoor	Z	inc Galvanised Steel / to 52°C -15°(150 x 1345 390 x 1755 	Grey Polyester Powder (-10°C C to 25°C 2220 x 1070 x 1320 1680 x 1 	Coat

or Unit	EC0 ISD 670-P	ISD 670KB	ECO ISD 840KBX-P	ECO ISD 950KBX-P
oor Unit	OSA 670RKTBG	OSA 670RKTB	OSA 840RKTBG	OSA 950RKTBG
w (l/s)				
Nominal* ⁵		3600	4500	5000
llation (m)				
Max Vertical Separation			20	
Pre-charge Line Length	1		10	
Max Line Length	60	0 / 90		90
	60 / 90 (28 or 35)* ⁶ / 13		35 / 16	
Pipe Sizes - Suction / Liquid (mm OD)) (28 or	35)*° / 13		
Pipe Sizes - Suction / Liquid (mm OD)) (28 or	35)**/ 13		
Pipe Sizes - Suction / Liquid (mm OD) n Indoor Unit / Outdoor Unit) (28 or	35)*° / 13 Zinc Galvanised Steel /	Grey Polyester Powder (Coat
Pipe Sizes - Suction / Liquid (mm OD) n Indoor Unit / Outdoor Unit ating Range) (28 or 	35)*° / 13 Zinc Galvanised Steel /	Grey Polyester Powder (Coat
Pipe Sizes - Suction / Liquid (mm OD) n Indoor Unit / Outdoor Unit ating Range Cooling) (28 or -10°C	Zinc Galvanised Steel /	Grey Polyester Powder (Coat to 46°C
Pipe Sizes - Suction / Liquid (mm OD)) (28 or -10°C -10°C -10°C	Zinc Galvanised Steel / C to 52°C -15°C	Grey Polyester Powder (Coat to 46°C
Pipe Sizes - Suction / Liquid (mm OD) Indoor Unit / Outdoor Unit Ating Range Cooling Heating) (28 or -10°C -10°C	25)** / 13 Zinc Galvanised Steel / C to 52°C -15°C	Grey Polyester Powder (Coat to 46°C
Pipe Sizes - Suction / Liquid (mm OD) Indoor Unit / Outdoor Unit Ating Range Cooling Heating II Dimensions (mm) Indoor - W x H x D) (28 or + Z + Z +10°C + 1650 x ²	21150 x 1345	Grey Polyester Powder (-10°C C to 25°C 2220 x 1070 x 1320	Coat to 46°C 2220 x 1280 x 1320
Pipe Sizes - Suction / Liquid (mm OD) Indoor Unit / Outdoor Unit ating Range Cooling Heating II Dimensions (mm) Indoor - W x H x D Outdoor - W x H x D) (28 or 	25)** / 13 2 inc Galvanised Steel / 2 to 52°C -15°(1150 x 1345 1390 x 1755	Grey Polyester Powder (10°C C to 25°C 	Coat to 46°C
Pipe Sizes - Suction / Liquid (mm OD) In Indoor Unit / Outdoor Unit Ating Range Cooling Heating II Dimensions (mm) Indoor - W x H x D Outdoor - W x H x D) (28 or 	2 to 52°C -15°C 1150 x 1345 1390 x 1755	Grey Polyester Powder (10°C C to 25°C 	Coat to 46°C
Pipe Sizes - Suction / Liquid (mm OD) Indoor Unit / Outdoor Unit Ating Range Cooling Heating Indoor - W x H x D Outdoor - W x H x D Outdoor - W x H x D Nett - Indoor / Outdoor) (28 or (28 or 28 or	35)** / 13 2inc Galvanised Steel / 2 to 52°C -15°(1150 x 1345 1390 x 1755 350 / 541	Grey Polyester Powder (10°C C to 25°C 	Coat to 46°C





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