

SPECIFICATIONS



Indoor Unit	(525-631-201/ 525-631-201)	ISD 670KB(H/V)
Outdoor Unit	(526-671-201)	OSA 670RKTBQV (fixed)
Cooling capacity (net) ¹		62.8 kW
Heating capacity ¹		62.8 kW
Electrical input - cooling		21.3 kW
Electrical input - heating		18.62 kW
EER / AEER (cooling) ¹		2.97 / 2.96
COP / ACOP (heating) ¹		3.47 / 3.45
Unit Controllers		UC6
Refrigerant		R410A
Refrigerant precharge for 10 m		12.5 kg/sys.
Additional charge req'd for over 10 m		100 g/m
Base refrigerant charge OSA		11.5 kg
Maximum line length		60 / 90 m ²
Separation limit: OSA above ISD		20 m
Separation limit: OSA below ISD		20 m
Suction line		28 or 35 mm OD (x2) ²
Liquid line		13 mm OD (x2)
Compressor oil type		POE 32-3MAF (or equivalent)
Additional oil charge over 40m line length		20 ml/m
Compressor type		fixed scroll (x2)
Power supply via OSA ³		3 ph. 400V ac 50 Hz + N + E
Compressor (3ph.) run amps		15 A (x2)
Compressor overload setting		22 A (x2)
Indoor fan motor type/size		AC / 5.5 kW
Nominal airflow at rating conditions ¹		3600 l/s
Indoor fan motor (3ph.) - full load		11 A
Outdoor fan motor (1ph.) - full load		1.7 A (x4)
Outdoor fan motor type		EC axial
Outdoor fan max. static pressure		60 Pa ⁴
Control circuit breaker (internal)		2 A
Auxillary power outlet (1ph.) overload setting		10 A
Running amps (total system) ¹		38 / 43 / 38 A
Max. running amps (total system)		50 / 54 / 48 A
RCD type recommended		type A, 30mA, 3 pole
Net weight ISD		350 kg
Net weight OSA		541 kg

Accessories:

Filters - rated EU4/G4 disposable	019-400-004 500x500x50 (x2) ⁵ 019-400-008 450x500x50 (x4)
Filters - rated EU4/G4 washable (NZ Only)	019-000-033 500x500x50 (x2) ⁵ 019-000-038 450x500x50 (x4)
UC6 Service Interface tool	201-000-379

Optional Controls:

SAT-3 Room temperature controller	201-000-146
TZT-100 Room temperature controller	201-000-350

Refer to temperzone for other options, eg remote sensors, connection wires.

¹ Tested in accordance with AS/NZS 3823

² Line lengths above 60m require greater size suction line

³ Voltage range: 380-440V

⁴ Contact Temperzone for assistance for higher static applications

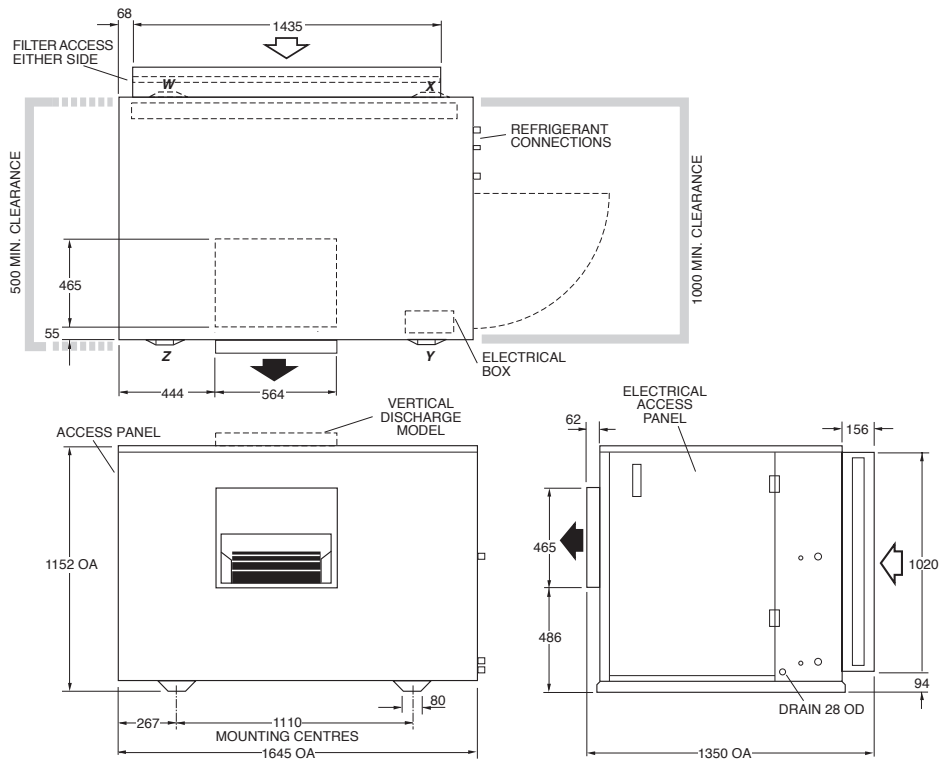
⁵ Filter sizes are nominal; refer to Temperzone for actual measurements.

DIMENSIONS (mm)



Not to Scale

ISD 670KB(H/V) Indoor Unit

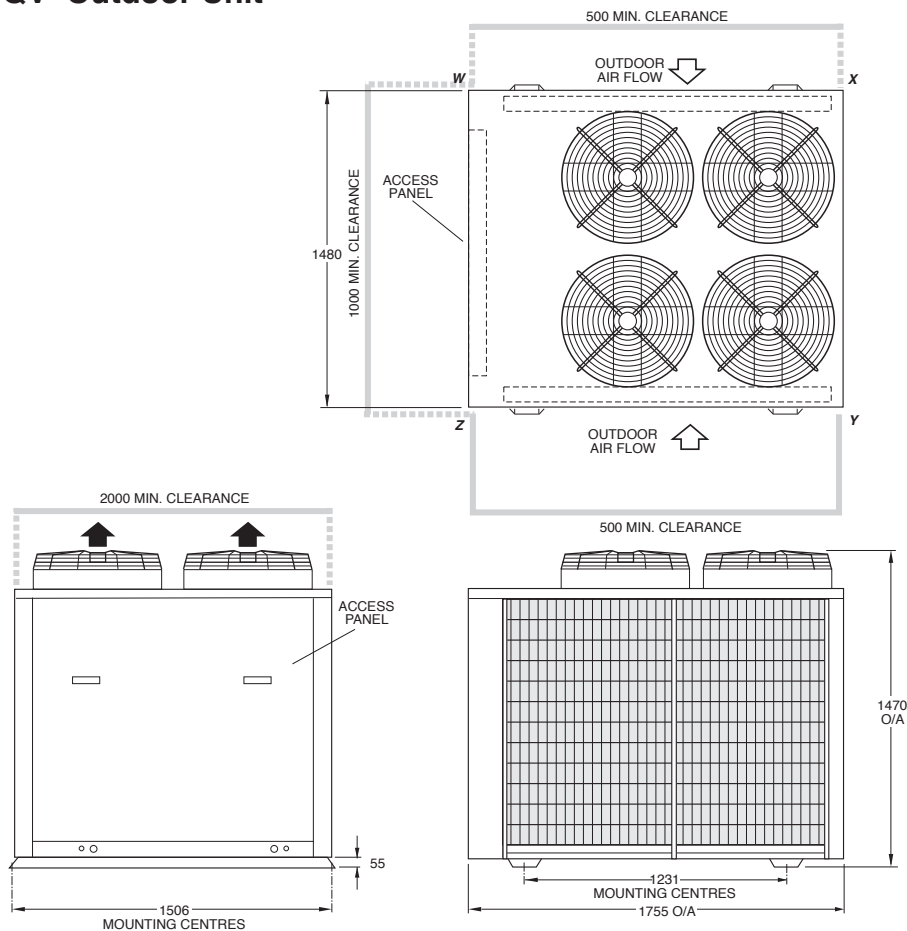


CORNER LOADS (kg)			
W	X	Y	Z
81	100	121	48

OSA 670RKTQBQV Outdoor Unit

CORNER LOADS (kg)			
W	X	Y	Z
174	81	81	175

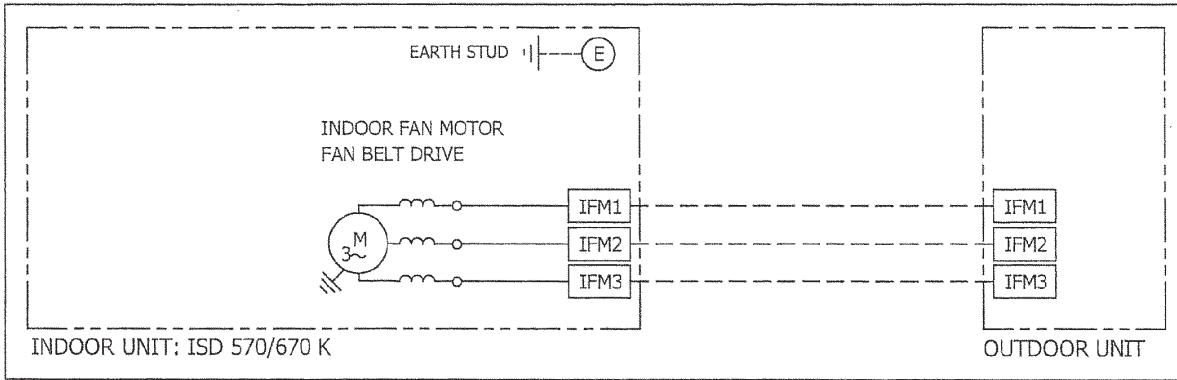
Recommended Connecting Pipe Sizes
 Suction : 28 or 35 mm OD
 Liquid : 13 mm OD
 Upsize above 60m




NOTE

Specifications are subject to change without notice due to the manufacturer's ongoing research and development programme.

INDOOR UNIT WIRING



MODEL -	ISD	570 K	670 K		Title	ISD 570/670 KB WIRING SCHEMATIC			
INDOOR FAN MOTOR FULL LOAD AMPS/PH		10.3	10.3						
NOTE: Check wiring before switching on, incorrect connection will damage motor		CLIENT WIRING Interconnections between units by client. Double insulated multi-core cable.			Drawn A.F.C.				
ISSUE	MODIFICATION	ECN	DATE	APRVD	Scale	APRVD	291-000-045	A	

