

COMMS ROOM COOLING EQUIPMENT DETAILS

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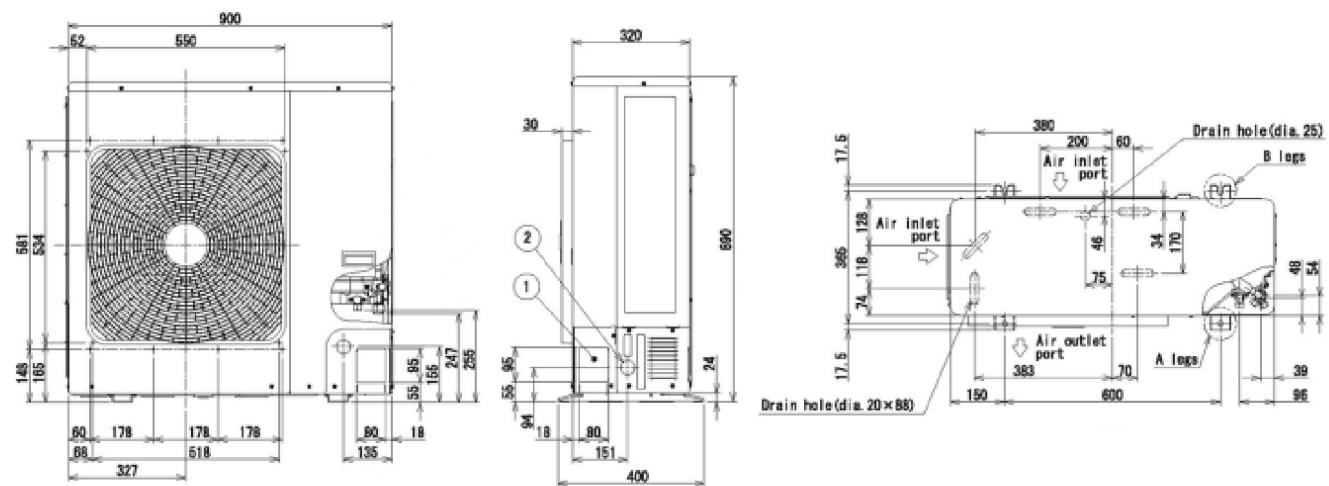
Toshiba Air Conditioning - RAV-GM Data Sheet

RAV-GM1101ATP-E
Outdoor Unit

- Features
- Redesigned for use with refrigerant R32
 - Wide operating range (cooling mode -15°C to +46°C)
 - Auto-diagnostic function
 - Flexible, can be utilised for single, twin, triple indoor applications
 - Compact size

Technical Data		RAV-GM1101ATP-E	
Model reference			
Nominal	Cooling Capacity	kW	9.5
	Heating Capacity	kW	11.2
Operating Range	Cooling/Heating	°C	-15 to 46/-15 to 15
Air Flow	High	m³/h - l/s	4080 - 1133
Sound	Pressure High Cooling/Heating	dB(A)	54/57
	Power High Cooling/Heating	dB(A)	70/74
Unit	Height x Width x Depth	mm	890 x 900 x 320
	Weight	kg	68
Pipe Connection	Flare Connections (gas - liquid)	inch	5/8 - 3/8
	Min. Max. Length	m	5-50
	Maximum Height Difference	m	±30
	Drain Port Connection	mm	16
Refrigerant R32	Base Charge/Chargeless Length	kg/m	2.1/30
	Additional Charge Liquid Side	g/m	35
Run Current	Maximum	A	14.20
Power Cable	Outdoor to Indoor		3 core + earth
Power Supply	Suggested Fuse Size	V/ph/Hz-A	220-240/1/50-20

Dimensional Drawings



OUTDOOR UNIT DETAILS (ROOF LEVEL)

CDL Raising the standards in Air Conditioning Distribution

Toshiba Air Conditioning
RAV R32 GM1101 Line-up Data Sheet

RAV-GM1101KRP-E
High-Wall

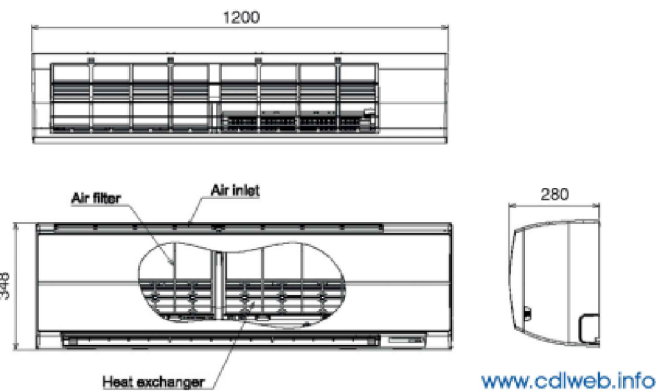


Model Reference		RAV-GM1101KRP-E	
Nominal	Cooling Capacity	kW	9.5
	Heating Capacity	kW	11.2
	EER/COP	W/W	3.20 / 3.23
	Cooling TotalSensible	kW	9.28 / 7.22
	Heating	kW	8.0
Cooling EN14825	Range Min-Max	kW	3.0 - 11.2
	Power Input	kW	2.97
	Pressure	kW	9.5
	SEER/Energy Efficiency Class		6.1 / A++
Heating EN14825	Seasonal Energy Consumption	kWh/a	-
	Range Min-Max	kW	3.0 - 13.0
	Power Input	kW	3.47
	Pressure	kW	8.0
	SCOP/Energy Efficiency Class		4.2 / A+
Air Flow	Seasonal Energy Consumption	kWh/a	-
	High - Medium - Low	l/s	447 - 375 - 328
	High - Medium - Low	m³/h	1610 - 1350 - 1190
	Pressure High - Medium - Low	dB(A)	45 - 45 - 41
	Power High - Medium - Low	dB(A)	54 - 60 - 56
Unit	Height - Width - Depth	mm	348 x 1200 x 280
	Weight	kg	19
Pipe Connection	Flare Connections (gas - liquid)	inch	5/8 - 3/8
	Drain Pipe Connection OD/ID	mm	VP16 / 14
Remote Controller			WM-T303NP2 (Infr-red)
Power Cable	Outdoor to Indoor		3 Core + E

TOSHIBA

Dimensional Drawings

- For use with refrigerant R32
- Easy installation
- Special coating fan coil unit fin (magic coil)
- Wireless remote controller with pre-set functions or hard-wired remote controller option



INDOOR UNIT DETAILS (COMMS ROOM)

AREA 2

REFRIGERATION PIPEWORK FROM BELOW RISE INSIDE LIFT SHAFT TO HIGH LEVEL AT ROOF LEVEL.

REFRIGERATION PIPEWORK ROUTED TO ROOF LEVEL TO SERVE OUTDOOR UNIT. OUTDOOR UNIT TO BE MOUNTED ON CANTILEVER BRACKETED SUPPORT. BACK OF UNIT TO BE 500MM CLEAR OF OBSTRUCTION

200 x 50mm ROUTED TO ROOF LEVEL TO SERVE OUTDOOR UNIT. OUTDOOR UNIT TO BE MOUNTED ON CANTILEVER BRACKETED SUPPORT. BACK OF UNIT TO BE 500MM CLEAR OF OBSTRUCTION

SEE PHOTO IMAGE OF EXISTING UNIT, NEW UNIT INSTALLATION TO FOLLOW SAME PRINCIPLE.

EXISTING OUTDOOR UNIT

PROPOSED LOCATION FOR NEW OUTDOOR UNIT



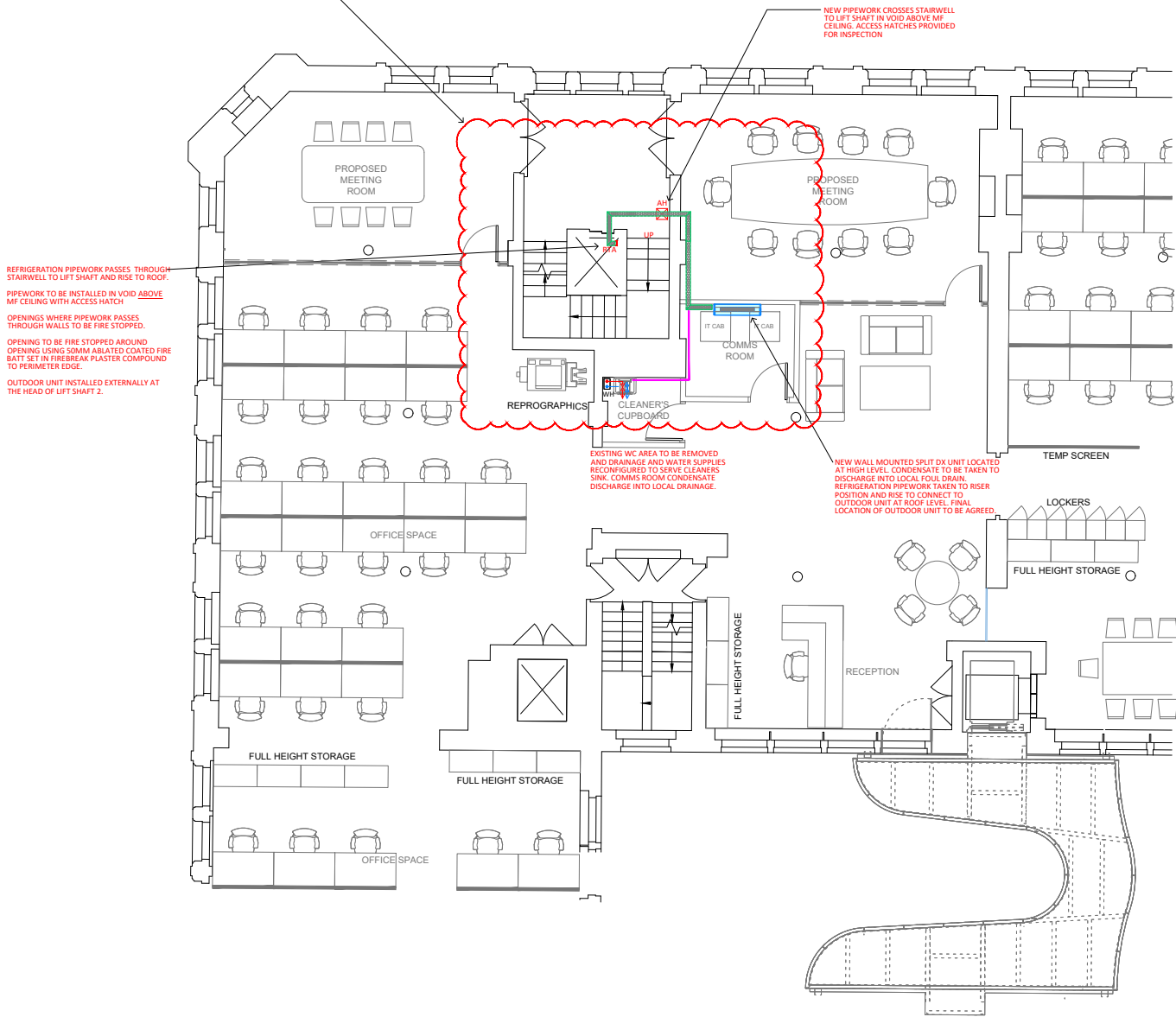
ROOF KEY PLAN

AREA 1

WC EXTRACT SYSTEM DISCHARGES THROUGH THIS RISER AT ROOF LEVEL.

ROOF PLAN

AREA 2



PROPOSED LOCATION FOR NEW OUTDOOR UNIT
LIFT RISER 2

PART SECOND FLOOR PLAN

NOTES

SEE MANUFACTURERS DATA SHEETS FOR TECHNICAL & PHYSICAL DATA

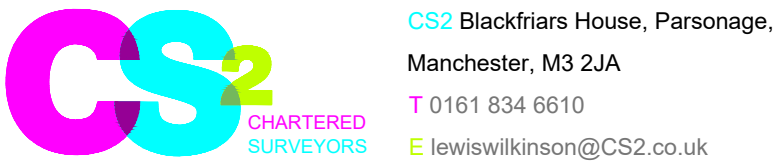
OUTDOOR UNIT TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.

NEW POWER SUPPLY REQUIRED FROM SECOND FLOOR

INDOOR UNIT SUPPLIED FROM OUTDOOR UNIT

B	INDOOR UNIT LOCATION MOVED OUTDOOR UNIT IMAGE CHANGED	09.02.24	JA
A	FIRST ISSUE FOR INFORMATION	21.12.23	JA
REV	DESCRIPTION	DATE	INITIAL

STAGE: PLANNING STAGE



PROJECT:

FOURWAYS HOUSE, 57 HILTON STREET, MANCHESTER, M1 2EJ

TITLE:

PROPOSED COOLING EQUIPMENT LAYOUT PLAN & INFORMATION

DRAWN:	CHECKED:	DATE:
JA	LW	09.02.2024
SCALE:	DRAWING NO.	REV:
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