

Toshiba Air Conditioning - VRF Data Sheet

MCY-MHP0406HT-E

Mini SMMS - Single-Fan Heat Pump Condensing Unit

Features

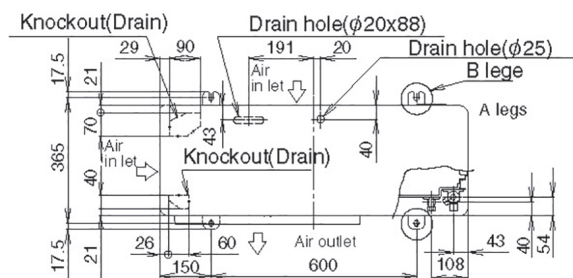
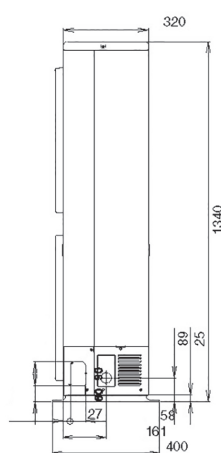
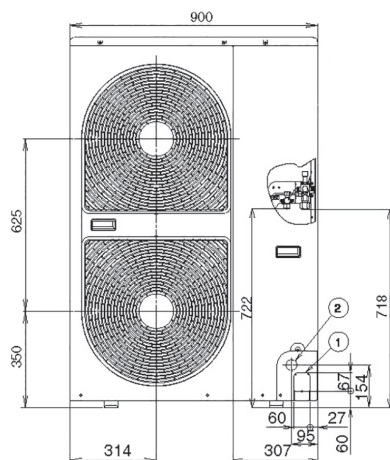
- Compact chassis: Outdoor unit height greatly reduced and easier to install
- High-efficiency DC twin rotary inverter compressor
- Compact and lightweight
- Reduction in refrigerant charge, reducing the impact on global warming



Technical Data

Model reference		MCY-MHP0406HT-E
Nominal cooling	kW	12.1
Nominal heating	kW	12.5
Capacity code		4
Min./max. capacities connectable	kW	3.2/5.2
Power input (cool/heat)	kW	3.24/2.83
UK cooling	kW	11.59
UK sensible cooling	kW	8.70
UK heating	kW	10.12
SEER Value (Office Profile)		7.10
SCOP Value (Office Profile)		3.56
Starting current	A	1
Running current (cool/heat)	A	13.2/12.3
Suggested fuse size	A	20
Power supply	V-ph-Hz	220/240-1-50
Interconnecting cable		2-core screened 1.5 mm
Sound power (cool/heat)	dB(A)	73/73
Sound pressure (cool/heat)	dB(A)	54/57
Standard air flow	m ³ /h	4020
Standard air flow	l/s	1117
Maximum indoor units connectable		8
Dimensions (H x W x D)	mm	910 x 990 x 390
Unit weight	kg	100
R410A refrigerant base charge	kg	3.3

Dimensional Drawings



Cool Designs Ltd

Raising the Standards in Air Conditioning Distribution

www.cdlweb.info



All UK duties are based on Cooling Indoor air temperature 22°C DB/16°C WB Outdoor air temperature 28°C DB 50% RH, high fan speed, 5 m pipe run.
Heating Indoor air temperature 21°C DB Outdoor air temperature -4°C DB 100% RH, high fan speed, 5 m pipe run. Values are based on the maximum compressor output.
Data obtained from Toshiba Air Conditioning Web Data July 2013.

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MCY-MHP0506HT-E

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Features

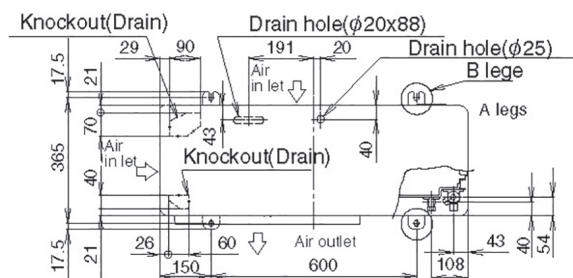
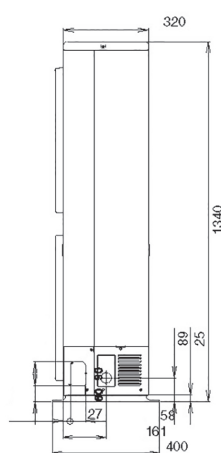
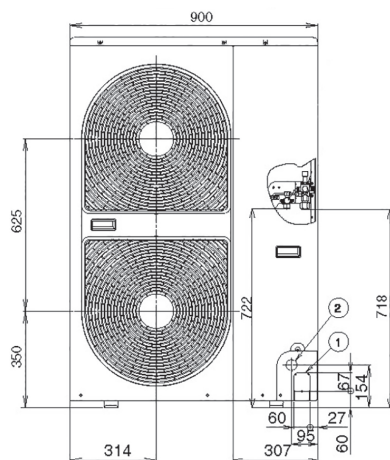
- Compact chassis: Outdoor unit height greatly reduced and easier to install
- High-efficiency DC twin rotary inverter compressor
- Compact and lightweight
- Reduction in refrigerant charge, reducing the impact on global warming



Technical Data

Model reference		MCY-MHP0506HT-E
Nominal cooling	kW	14.0
Nominal heating	kW	16.0
Capacity code		5
Min./max. capacities connectable	kW	4.0/6.5
Power input (cool/heat)	kW	3.94/3.86
UK cooling	kW	13.42
UK sensible cooling	kW	10.06
UK heating	kW	12.96
SEER Value (Office Profile)		6.73
SCOP Value (Office Profile)		3.51
Starting current	A	1
Running current (cool/heat)	A	17.1/16.8
Suggested fuse size	A	25
Power supply	V-ph-Hz	220/240-1-50
Interconnecting cable		2-core screened 1.5 mm
Sound power (cool/heat)	dB(A)	73/74
Sound pressure (cool/heat)	dB(A)	54/58
Standard air flow	m ³ /h	4260
Standard air flow	l/s	1183
Maximum indoor units connectable		10
Dimensions (H x W x D)	mm	910 x 990 x 390
Unit weight	kg	100
R410A refrigerant base charge	kg	3.3

Dimensional Drawings



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Heating Indoor air temperature 21°C DB Outdoor air temperature -4°C DB 100% RH, high fan speed, 5 m pipe run. Values are based on the maximum compressor output.
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Toshiba Air Conditioning - RAS Data Sheet

RAS-3M18U2AVG-E Multi-Split Outdoor Unit

Features

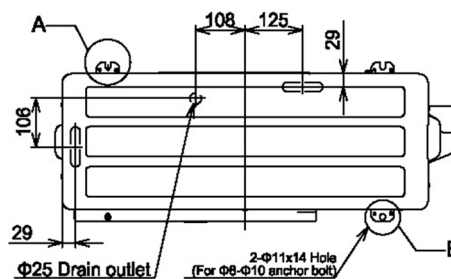
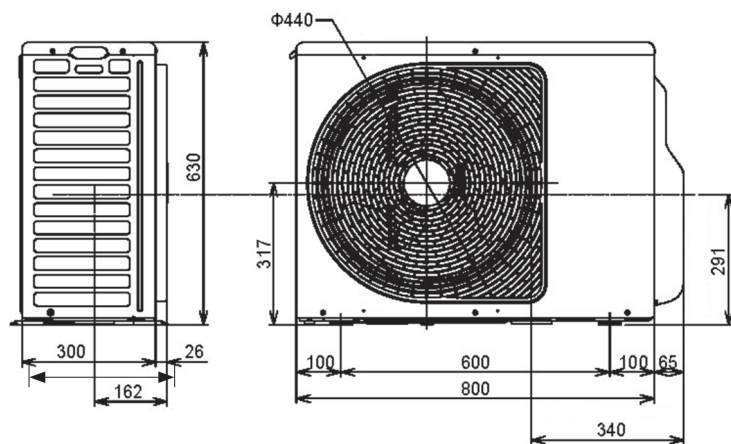
- Wide range of indoor units available for use with refrigerant R32
- Wide operating range (cooling mode -10°C to +46°C)
- Vertical pipe lengths up to 10 metres
- Compact size
- Superior reliability due to Toshiba's unique inverter compressor



Technical Data

Model reference		RAS-3M18U2AVG-E
Nominal cooling	kW	5.2
Nominal heating	kW	6.8
Sound power (high)	dB(A)	63
Sound pressure (high)	dB(A)	50
Dimensions (H x W x D)	mm	630 x 800 x 300
Unit weight	kg	46
Power supply	V-ph-Hz	220/240-1-50
Interconnecting cable per indoor unit		3-core + earth
Suggested fuse size	A	16
Maximum operating current (cooling)	A	8.79
Operating range, cooling	°C	-10-46
Operating range, heating	°C	-20-24
Minimum number of indoor units		2
Maximum number of indoor units		3
Pipe sizes, unit A (liquid-suction)	inch	1/4-1/2
Pipe sizes, unit B (liquid-suction)	inch	1/4-3/8
Pipe sizes, unit C (liquid-suction)	inch	1/4-3/8
Pipe lengths per unit (min./max.)	m	2-25
Maximum pipe length	m	50
Maximum height difference	m	10
Pre-charge pipe length	m	50
Additional refrigerant - factory charge	g/m - kg	N/A - 1.05

Dimensional Drawings



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Toshiba Air Conditioning - RAS Data Sheet

RAS-3M26U2AVG-E Multi-Split Outdoor Unit

Features

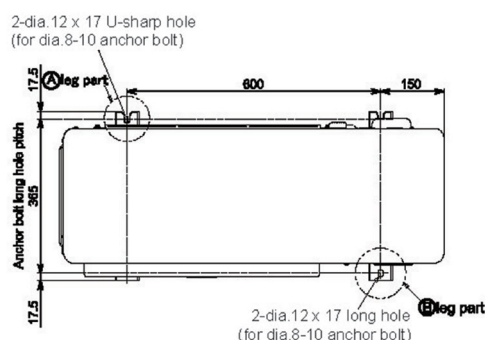
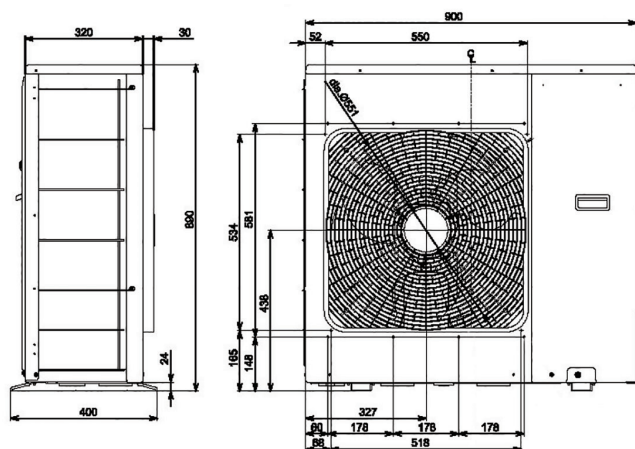
- Wide range of indoor units available for use with refrigerant R32
- Wide operating range (cooling mode -10°C to +46°C)
- Vertical pipe lengths up to 15 metres
- Compact size
- Superior reliability due to Toshiba's unique inverter compressor



Technical Data

Model reference		RAS-3M26U2AVG-E
Nominal cooling	kW	7.5
Nominal heating	kW	9.0
Sound power (high)	dB(A)	64
Sound pressure (high)	dB(A)	49
Dimensions (H x W x D)	mm	890 x 900 x 320
Unit weight	kg	72
Power supply	V-ph-Hz	220/240-1-50
Interconnecting cable per indoor unit		3-core + earth
Suggested fuse size	A	16
Maximum operating current (cooling)	A	11.67
Operating range, cooling	°C	-10-46
Operating range, heating	°C	-15-24
Minimum number of indoor units		2
Maximum number of indoor units		3
Pipe sizes, unit A (liquid-suction)	inch	1/4-1/2
Pipe sizes, unit B (liquid-suction)	inch	1/4-1/2
Pipe sizes, unit C (liquid-suction)	inch	1/4-3/8
Pipe lengths per unit (min./max.)	m	3-25
Maximum pipe length	m	70
Maximum height difference	m	15
Pre-charge pipe length	m	40
Additional refrigerant - factory charge	g/m - kg	20 - 1.92

Dimensional Drawings



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All UK duties are based on Cooling Indoor air temperature 23°C DB/16°C WB Outdoor air temperature 29°C DB 50% RH, high fan speed, 5 m pipe run.
Heating Indoor air temperature 20°C DB Outdoor air temperature -5°C DB 100% RH, high fan speed, 5 m pipe run. Values are based on the maximum compressor output.
Data obtained from Toshiba Air Conditioning July 2018.

Toshiba Air Conditioning - RAS Data Sheet

RAS-5M34U2AVG-E Multi-Split Outdoor Unit

Features

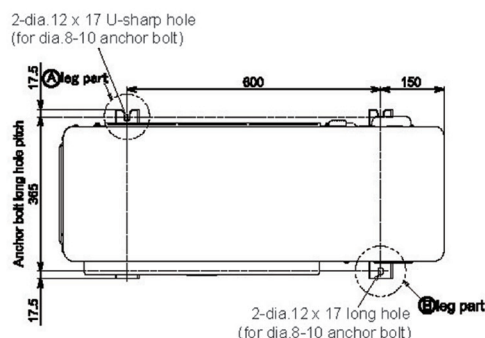
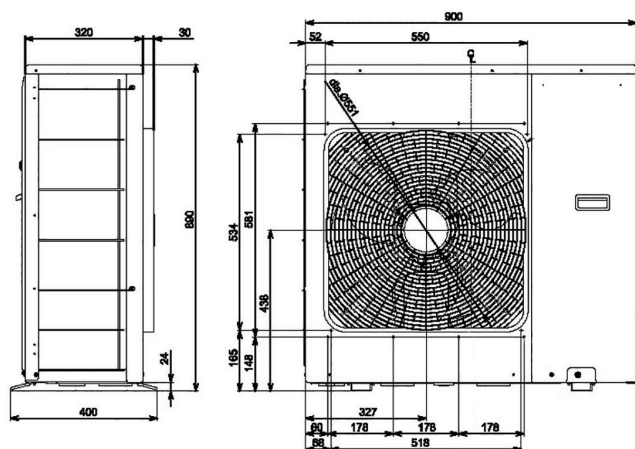
- Wide range of indoor units available for use with refrigerant R32
- Wide operating range (cooling mode -10°C to +46°C)
- Vertical pipe lengths up to 15 metres
- Compact size
- Superior reliability due to Toshiba's unique inverter compressor



Technical Data

Model reference		RAS-5M34U2AVG-E
Nominal cooling	kW	10.0
Nominal heating	kW	12.0
Sound power (high)	dB(A)	68
Sound pressure (high)	dB(A)	55
Dimensions (H x W x D)	mm	890 x 900 x 320
Unit weight	kg	78
Power supply	V-ph-Hz	220/240-1-50
Interconnecting cable per indoor unit		3-core + earth
Suggested fuse size	A	20
Maximum operating current (cooling)	A	13.64
Operating range, cooling	°C	-10-46
Operating range, heating	°C	-15-24
Minimum number of indoor units		2
Maximum number of indoor units		5
Pipe sizes, unit A and B (liquid-suction)	inch	1/4-1/2
Pipe sizes, unit C, D and E (liquid-suction)	inch	1/4-3/8
Pipe lengths per unit (min./max.)	m	3-25
Maximum pipe length	m	80
Maximum height difference	m	15
Pre-charge pipe length	m	40
Additional refrigerant - factory charge	g/m - kg	20 - 2.39

Dimensional Drawings



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Heating Indoor air temperature 20°C DB Outdoor air temperature -5°C DB 100% RH, high fan speed, 5 m pipe run. Values are based on the maximum compressor output.
Data obtained from Toshiba Air Conditioning July 2018.

Toshiba Air Conditioning - RAV-GM Data Sheet

RAV-GM2241AT8-E Outdoor Unit

Features

- Redesigned for use with refrigerant R32
- New compressor design
- Reduced refrigerant charge - 5 kg
- Flexible, can be utilised for twin, triple and quad indoor applications
- Compact size

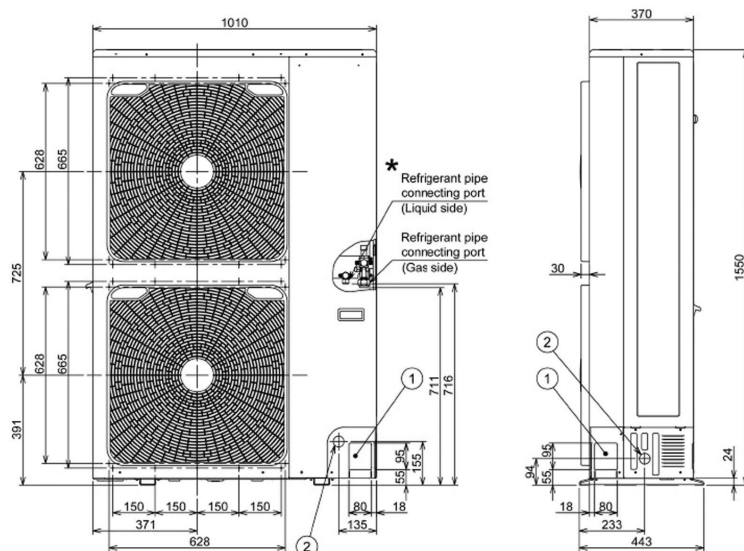


Technical Data

Model reference		RAV-GM2241AT8-E
Nominal cooling	kW	19.0
Nominal heating	kW	22.4
Maximum air flow	m ³ /h	9150
Maximum air flow	l/s	2541
Sound power (cool/heat)	dB(A)	76/76
Sound pressure (cool/heat)	dB(A)	58/60
Dimensions (H x W x D)	mm	1550 x 1010 x 370
Unit weight	kg	142
Power supply	V-ph-Hz	380/415-3-50
Interconnecting cable		3 core + earth
Suggested fuse size	A	16
Maximum operating current (cooling)	A	-*
Operating range, cooling	°C	-15 to 46
Operating range, heating	°C	-27 to 15
Pipe sizes (liquid - suction)	inch	1/2 - 1-1/8
Minimum/maximum pipe length	m	5/60
Maximum height difference	m	30
Pre-charge pipe length	m	30

* Waiting for published data

Dimensional Drawings



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Heating Indoor air temperature 20°C DB Outdoor air temperature -5°C DB 100% RH, high fan speed, 5 m pipe run. Values are based on the maximum compressor output.
Data obtained from Toshiba Air Conditioning Published Data September 2019.

Toshiba Air Conditioning - RAV-GP Data Sheet

RAV-GP1401AT-E Outdoor Unit

Features

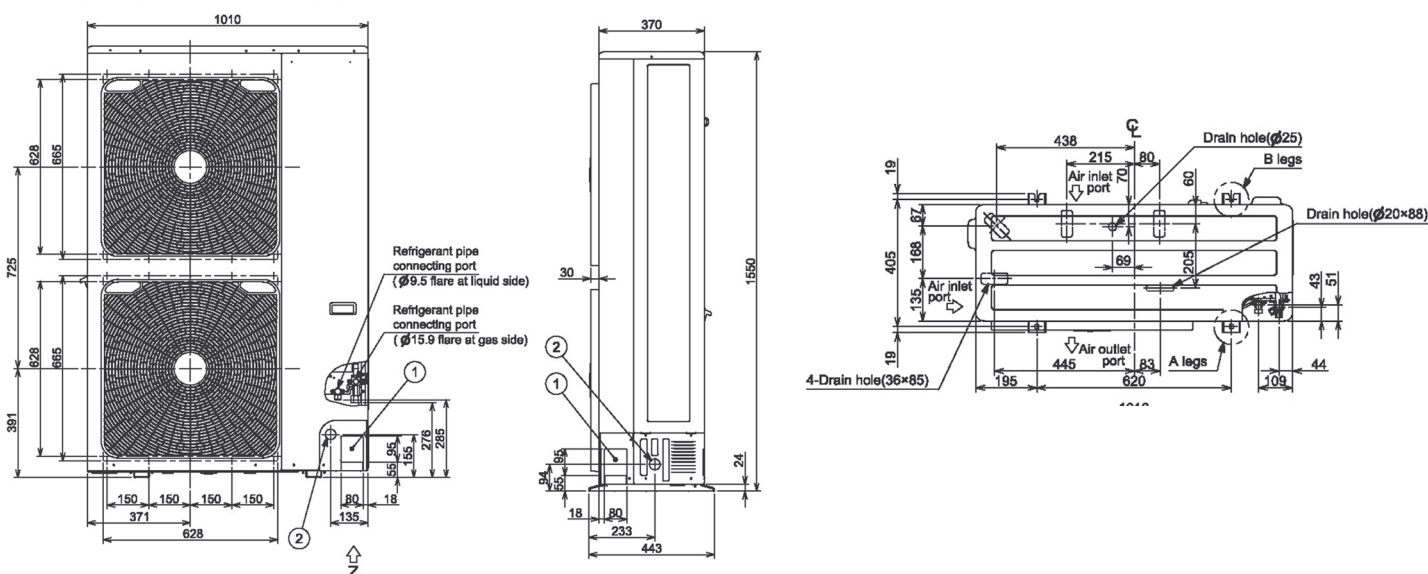
- Redesigned for use with refrigerant R32
- Wide operating range (cooling mode -15°C to +52°C)
- Auto-diagnostic function
- Flexible, can be utilised for single, twin, triple and quad indoor applications
- Compact size



Technical Data

Model reference			RAV-GP1401AT-E
Nominal	Cooling Capacity	kW	12.5
	Heating Capacity	kW	14.0
Operating Range	Cooling/Heating	°C	-15 to 52/-27 to 15
Air Flow	High	m³/h - l/s	6960 - 1934
Sound	Pressure High Cooling/Heating	dB(A)	50/51
	Power High Cooling/Heating	dB(A)	67/68
Unit	Height x Width x Depth	mm	1550 x 1010 x 370
	Weight	kg	104
	Pipe Connection	Flare Connections (gas - liquid)	inch 5/8 - 3/8
Refrigerant R32	Min.-Max. Length	m	3-75
	Maximum Height Difference	m	±30
	Drain Port Connection	mm	16
	Base Charge/Chargeless Length	kg/m	3.1/30
Run Current	Additional Charge Liquid Side	g/m	35
	Maximum	A	14.55
Power Cable	Outdoor to Indoor		3 core + earth
Power Supply	Suggested Fuse Size	V/ph/Hz-A	220-240/1/50-25

Dimensional Drawings



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