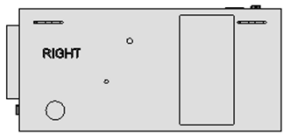
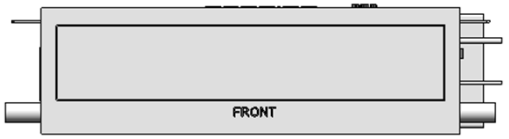
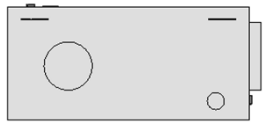
16. RAS_U2DVG_07-13

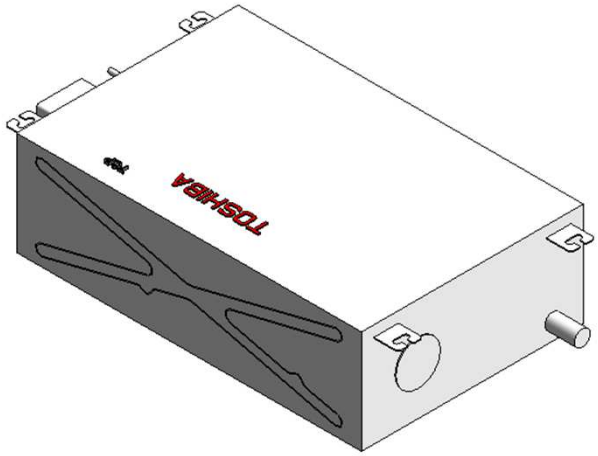
23-05-2019

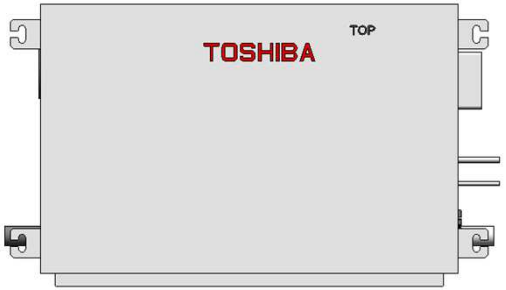
RAS_U2DVG_07-13

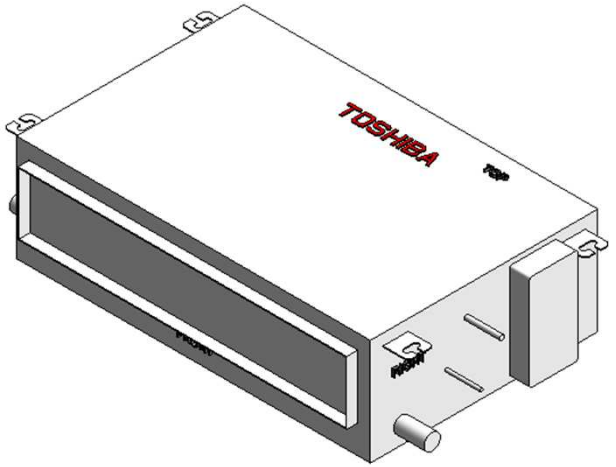




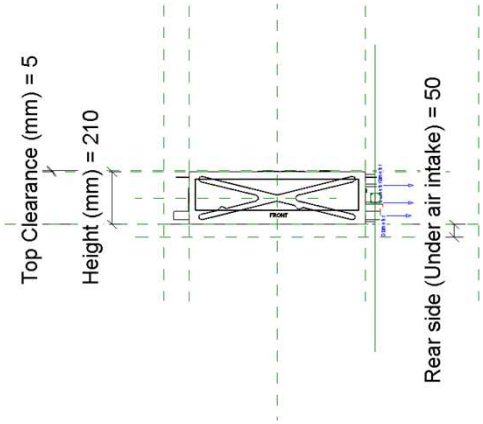


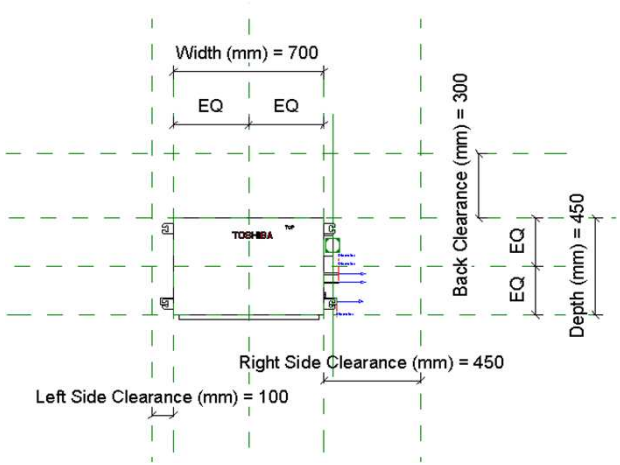




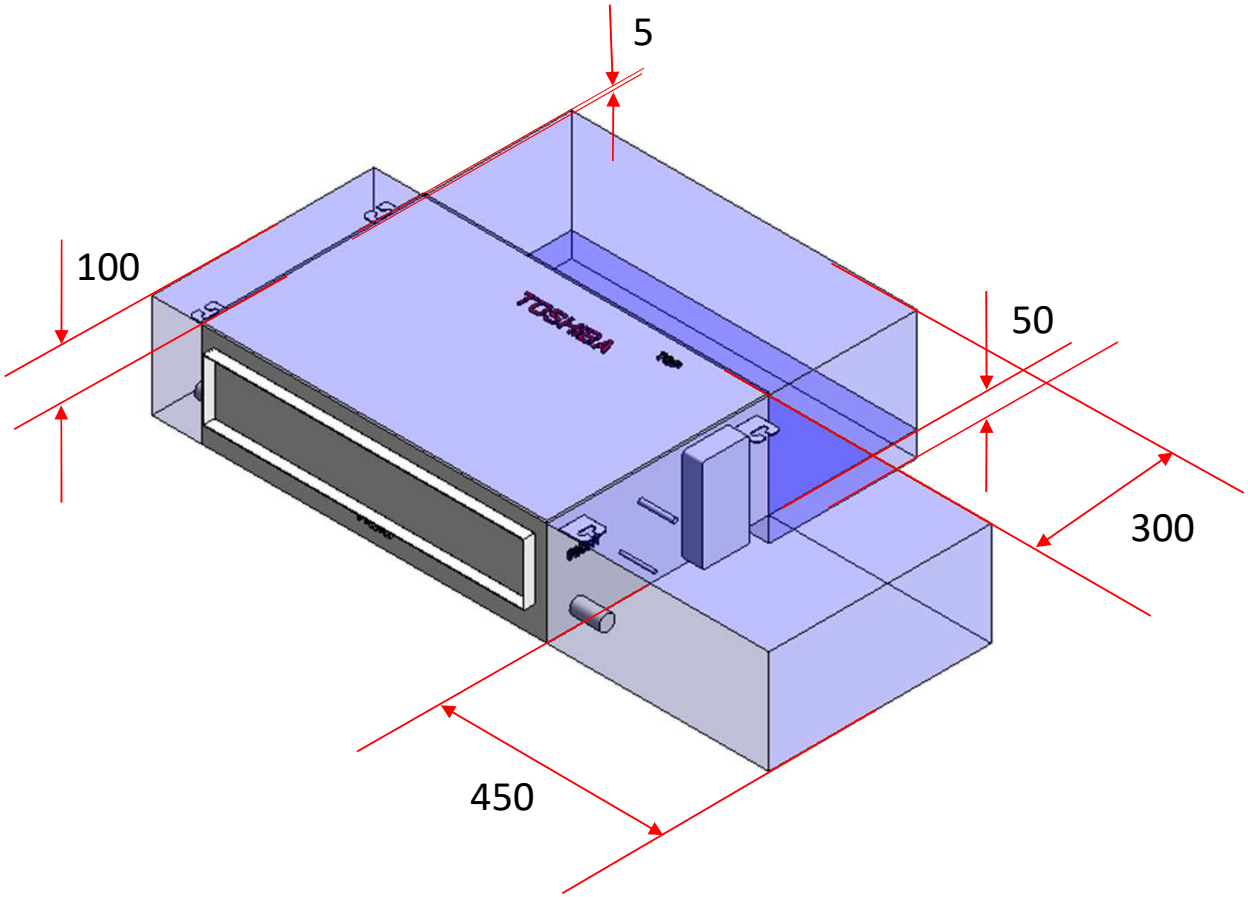


RAS_U2DVG_07-13

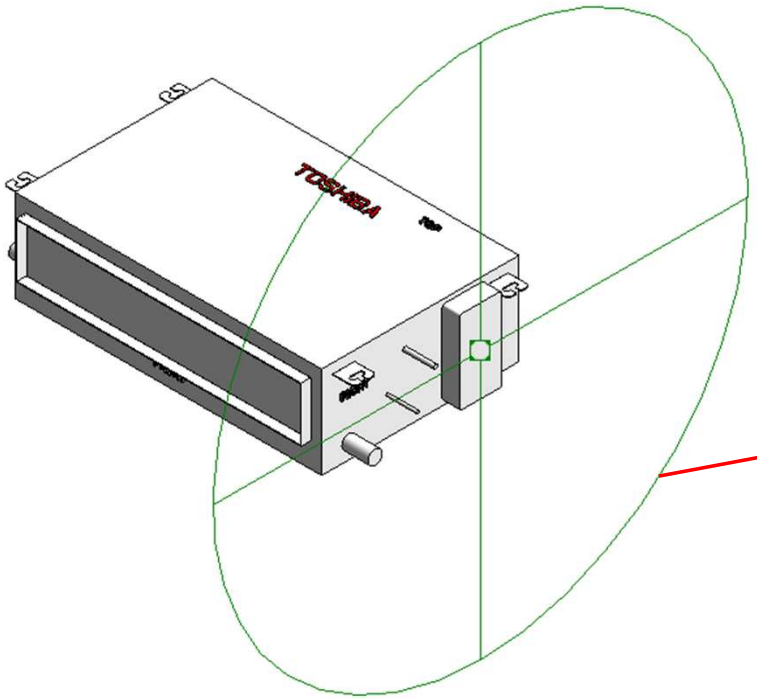




RAS_U2DVG_07-13 Service Area



Electrical Connector

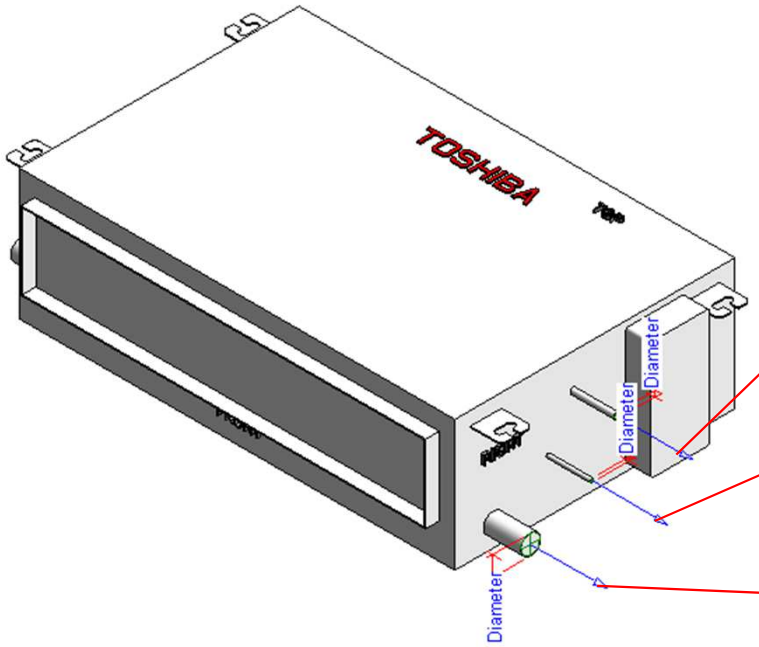


Properties

Connector Element (1) | Edit Type

Electrical - Loads	
System Type	Power - Unbalanced
Number of Poles	1
Power Factor State	Lagging
Load Classification	Other
Load Sub-Classification Motor	
Voltage	0.00 V
Apparent Load Phase 1	0.00 VA
Apparent Load Phase 2	0.00 VA
Apparent Load Phase 3	0.00 VA
Power Factor	1.000000
Identity Data	
Utility	
Connector Description	ELECTRICAL CONNECTOR

Pipe Connectors



Properties

Connector Element (1) | Edit Type

Dimensions	
Diameter	9.5
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Bidirectional
Loss Method	Not Defined
Allow Slope Adjustments	
System Classification	Hydronic Return
Mechanical - Flow	
Flow	0.00 L/s
Pressure Drop	0.00 Pa
Identity Data	
Utility	
Connector Description	HYDRONIC RETURN (GAS) PORT @ 9.5 mm

Properties

Connector Element (1) | Edit Type

Dimensions	
Diameter	6.4
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Bidirectional
Loss Method	Not Defined
Allow Slope Adjustments	
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.00 L/s
Pressure Drop	0.00 Pa
Identity Data	
Utility	
Connector Description	HYDRONIC SUPPLY (LIQUID) PORT @ 6.4 mm

Properties

Connector Element (1) | Edit Type

Dimensions	
Diameter	32.0
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Bidirectional
Loss Method	Not Defined
Allow Slope Adjustments	
System Classification	Vent
Mechanical - Flow	
Flow	0.00 L/s
Pressure Drop	0.00 Pa
Identity Data	
Utility	
Connector Description	DRAIN PORT 32mm

RAS-M07U2DVG-E

Family Types

Type name: RAS-M07U2DVG-E

Search parameters

Parameter	Value	Formula
Materials and Finishes		
Red	Colour RGB-250 000 000	=
White	Colour RGB-255 255 255	=
Electrical		
MOCP (A)	-	=
MCA (A)	-	=
Running current-Cooling (A)	-	=
Power consumption-Cooling (Kw)	-	=
Running current-Heating (A)	-	=
Power consumption-Heating (Kw)	-	=
Frequency (Hz)	50Hz	=
Voltage (V)	220-240	=
Starting current (A)	-	=
Dimensions		
Height (mm)	210.0	=
Width (mm)	700.0	=
Depth (mm)	450.0	=
Hydronic Return Diameter (mm)	9.5	=
Hydronic Supply Diameter (mm)	6.4	=
Drain Pipe Diameter (mm)	32.0	=
Weight (Kg)	16	=
Duct diameter (mm)	-	=
Drain pipe	VP25(OD32mm)	=
Mechanical - Flow		
Static pressure (Pa)	10/20/35/45	=
Sound pressure-Cooling/Heating - High (dB)	35 / 35	=
Airflow (m3/h)	570 / 570	=
Air filter	-	=
Mechanical - Loads		
Rated Capacity kW-Cooling/Heating	-	=
Rated Power Consumption kW- Cooling/Heati	-	=
Rated efficiency - EER / COP	-	=
Energy Analysis		
Energy Class-Cooling/Heating	-	=
Seasonal & Rated efficiency - SEER / SCOP	-	=
Pdesign-Cooling/Heating	-	=

Visibility		
Service Area (default)	☐	=
Right Side Clearance (mm) (default)	450.0	=
Left Side Clearance (mm) (default)	100.0	=
Back Clearance (mm) (default)	300.0	=
Top Clearance (mm) (default)	5.0	=
Rear side (Under air intake) (default)	50.0	=
Other		
Operating range - Cooling (°C)	21 - 32	=
Operating range - Heating (°C)	0 - 28	=
Refrigerant Information	R32	=
Identity Data		
Article Description	Ducted - New	=
Article Type	RAS-M07U2DVG-E	=
Base Family Version		=
CB-NL Class		=
Content Supplier URL	www.hcltech.com	=
Copyright	©Toshiba / HCL	= "©Toshiba / HCL"
EMCS	4	= "4"
ETIM Article Class	EC001213	= "EC001213"
Family Version		=
GLN		=
GTIN		=
Internal Art. No.		=
MEPcontent Class	HEATPUMP	= "HEATPUMP"
Manufacturer	Toshiba	= "Toshiba"
Manufacturer Art. No.	RAS-M07U2DVG-E	=
Manufacturer URL	https://www.toshiba-carrier.co.jp/global/	=
Product Line	TCAC	= "TCAC"
Revit Version	2017	= "2017"
Stabu Code		=
Type Image		=
Keynote		=
Model	RAS-M07U2DVG-E	=
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	Ducted - New	=
Assembly Code		=
Cost		=
Watermarked By		=
Wholesaler		=
Wholesaler Art. No		=

RAS-M10U2DVG-E

Family Types

Type name: RAS-M10U2DVG-E

Search parameters

Parameter	Value	Formula
Materials and Finishes		
Red	Colour RGB-250 000 000	=
White	Colour RGB-255 255 255	=
Electrical		
MOCP (A)	-	=
MCA (A)	-	=
Running current-Cooling (A)	-	=
Power consumption-Cooling (Kw)	-	=
Running current-Heating (A)	-	=
Power consumption-Heating (Kw)	-	=
Frequency (Hz)	50Hz	=
Voltage (V)	220-240	=
Starting current (A)	-	=
Dimensions		
Height (mm)	210.0	=
Width (mm)	700.0	=
Depth (mm)	450.0	=
Hydronic Return Diameter (mm)	9.5	=
Hydronic Supply Diameter (mm)	6.4	=
Drain Pipe Diameter (mm)	32.0	=
Weight (Kg)	16	=
Duct diameter (mm)	-	=
Drain pipe	VP25(OD32mm)	=
Mechanical - Flow		
Static pressure (Pa)	10/20/35/45	=
Sound pressure-Cooling/Heating - High (dB)	35 / 35	=
Airflow (m3/h)	570 / 570	=
Air filter	-	=
Mechanical - Loads		
Rated Capacity kW-Cooling/Heating	-	=
Rated Power Consumption kW- Cooling/Heati	-	=
Rated efficiency - EER / COP	-	=
Energy Analysis		
Energy Class-Cooling/Heating	-	=
Seasonal & Rated efficiency - SEER / SCOP	-	=
Pdesign-Cooling/Heating	-	=

Visibility		
Service Area (default)	☐	=
Right Side Clearance (mm) (default)	450.0	=
Left Side Clearance (mm) (default)	100.0	=
Back Clearance (mm) (default)	300.0	=
Top Clearance (mm) (default)	5.0	=
Rear side (Under air intake) (default)	50.0	=
Other		
Operating range - Cooling (°C)	21 - 32	=
Operating range - Heating (°C)	0 - 28	=
Refrigerant Information	R32	=
Identity Data		
Article Description	Ducted - New	=
Article Type	RAS-M10U2DVG-E	=
Base Family Version		=
CB-NL Class		=
Content Supplier URL	www.hcltech.com	=
Copyright	©Toshiba / HCL	= "©Toshiba / HCL"
EMCS	4	= "4"
ETIM Article Class	EC001213	= "EC001213"
Family Version		=
GLN		=
GTIN		=
Internal Art. No.		=
MEPcontent Class	HEATPUMP	= "HEATPUMP"
Manufacturer	Toshiba	= "Toshiba"
Manufacturer Art. No.	RAS-M10U2DVG-E	=
Manufacturer URL	https://www.toshiba-carrier.co.jp/global/	=
Product Line	TCAC	= "TCAC"
Revit Version	2017	= "2017"
Stabu Code		=
Type Image		=
Keynote		=
Model	RAS-M10U2DVG-E	=
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	Ducted - New	=
Assembly Code		=
Cost		=
Watermarked By		=
Wholesaler		=
Wholesaler Art. No		=

RAS-M13U2DVG-E

Family Types

Type name: RAS-M13U2DVG-E

Search parameters

Parameter	Value	Formula
Materials and Finishes		
Red	Colour RGB-250 000 000	=
White	Colour RGB-255 255 255	=
Electrical		
MOCP (A)	-	=
MCA (A)	-	=
Running current-Cooling (A)	-	=
Power consumption-Cooling (Kw)	-	=
Running current-Heating (A)	-	=
Power consumption-Heating (Kw)	-	=
Frequency (Hz)	50Hz	=
Voltage (V)	220-240	=
Starting current (A)	-	=
Dimensions		
Height (mm)	210.0	=
Width (mm)	700.0	=
Depth (mm)	450.0	=
Hydronic Return Diameter (mm)	9.5	=
Hydronic Supply Diameter (mm)	6.4	=
Drain Pipe Diameter (mm)	32.0	=
Weight (Kg)	16	=
Duct diameter (mm)	-	=
Drain pipe	VP25(OD32mm)	=
Mechanical - Flow		
Static pressure (Pa)	10/20/35/45	=
Sound pressure-Cooling/Heating - High (dB)	37 / 37	=
Airflow (m3/h)	610 / 610	=
Air filter	-	=
Mechanical - Loads		
Rated Capacity kW-Cooling/Heating	-	=
Rated Power Consumption kW- Cooling/Heati	-	=
Rated efficiency - EER / COP	-	=
Energy Analysis		
Energy Class-Cooling/Heating	-	=
Seasonal & Rated efficiency - SEER / SCOP	-	=
Pdesign-Cooling/Heating	-	=

Visibility		
Service Area (default)	☑	=
Right Side Clearance (mm) (default)	450.0	=
Left Side Clearance (mm) (default)	100.0	=
Back Clearance (mm) (default)	300.0	=
Top Clearance (mm) (default)	5.0	=
Rear side (Under air intake) (default)	50.0	=
Other		
Operating range - Cooling (°C)	21 - 32	=
Operating range - Heating (°C)	0 - 28	=
Refrigerant Information	R32	=
Identity Data		
Article Description	Ducted - New	=
Article Type	RAS-M13U2DVG-E	=
Base Family Version		=
CB-NL Class		=
Content Supplier URL	www.hcltech.com	=
Copyright	©Toshiba / HCL	= "©Toshiba / HCL"
EMCS	4	= "4"
ETIM Article Class	EC001213	= "EC001213"
Family Version		=
GLN		=
GTIN		=
Internal Art. No.		=
MEPcontent Class	HEATPUMP	= "HEATPUMP"
Manufacturer	Toshiba	= "Toshiba"
Manufacturer Art. No.	RAS-M13U2DVG-E	=
Manufacturer URL	https://www.toshiba-carrier.co.jp/global/	=
Product Line	TCAC	= "TCAC"
Revit Version	2017	= "2017"
Stabu Code		=
Type Image		=
Keynote		=
Model	RAS-M13U2DVG-E	=
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	Ducted - New	=
Assembly Code		=
Cost		=
Watermarked By		=
Wholesaler		=
Wholesaler Art. No		=



Thank You