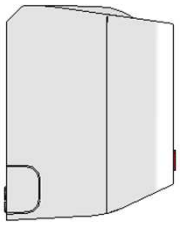
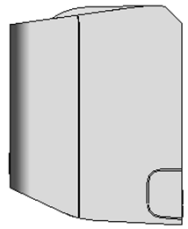
VRF_MMK1HP_15-24

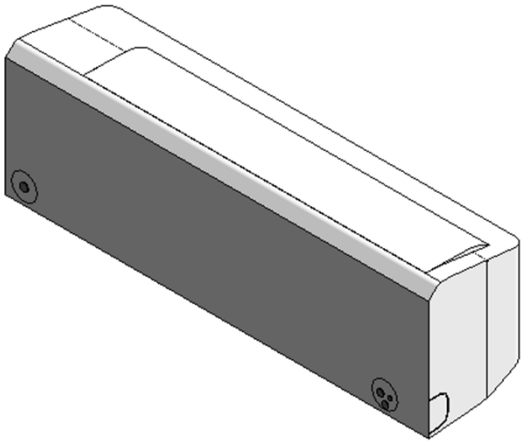
22-01-2021

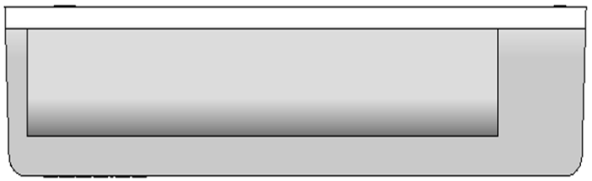
VRF_MMK1HP_15-24

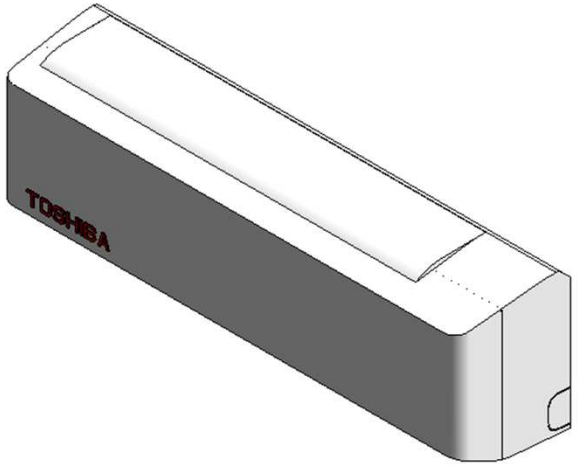




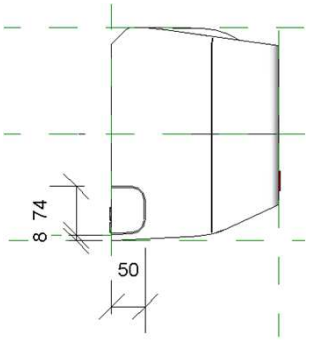


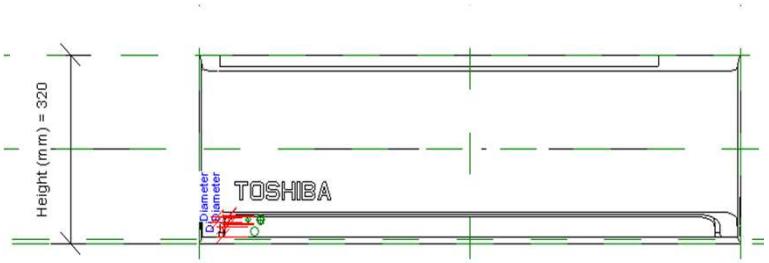


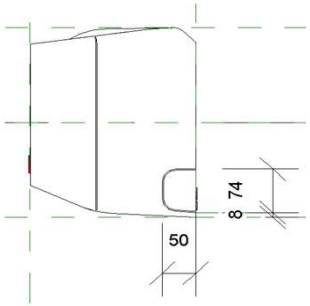


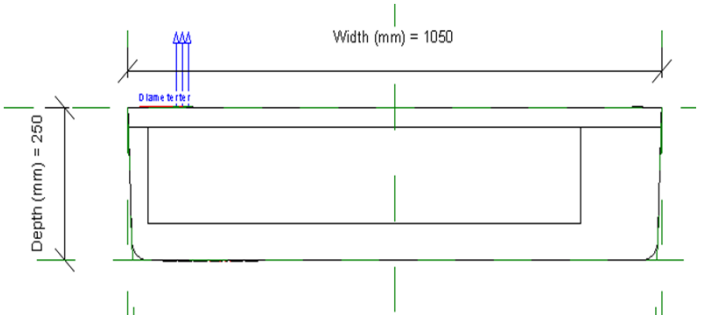


VRF_MMK1HP_15-24

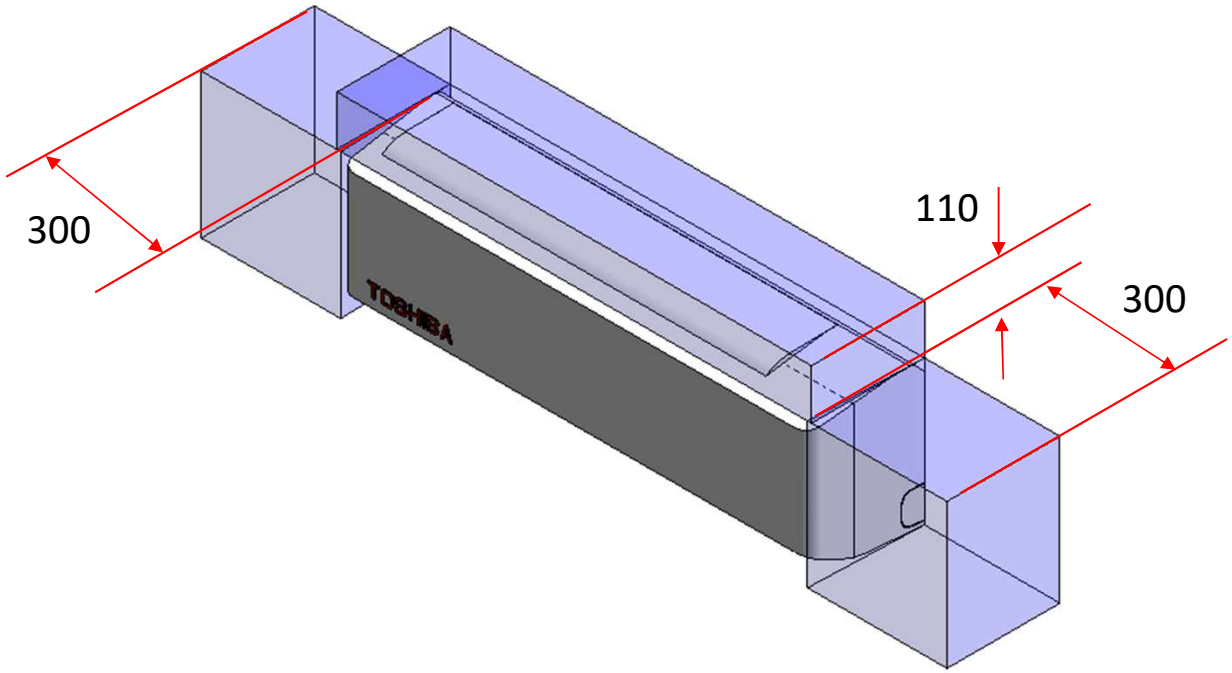






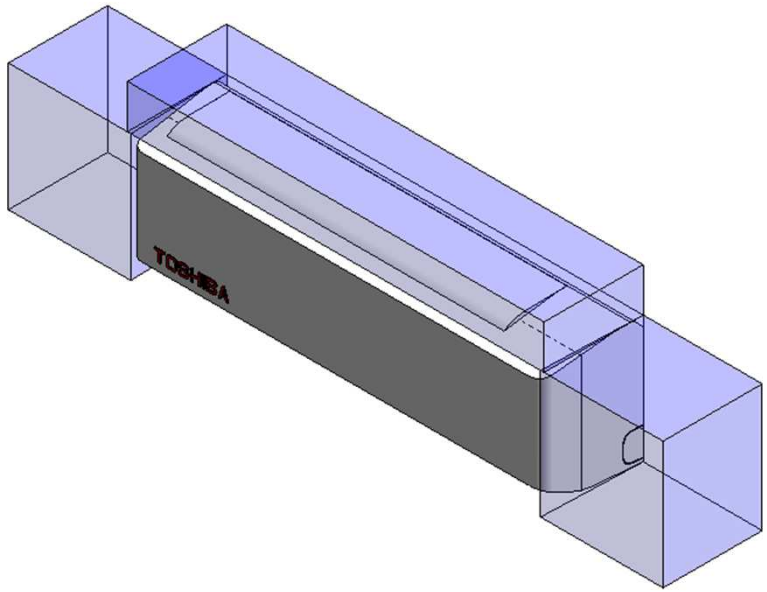


VRF_MMK1HP_15-24_Service Area



VRF_MMK1HP_15-24

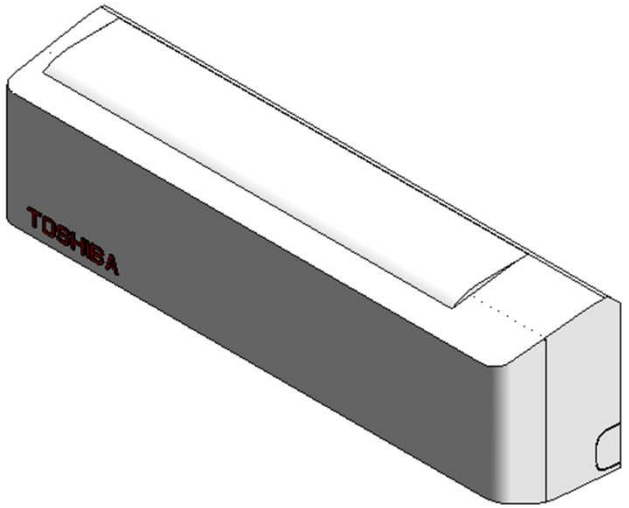
Visibility	
Service Area (default)	☑
Top Clearance (mm) (default)	110.0
Left Side Clearance (mm) (default)	300.0
Right Side Clearance (mm) (default)	300.0



Service Clearance ON

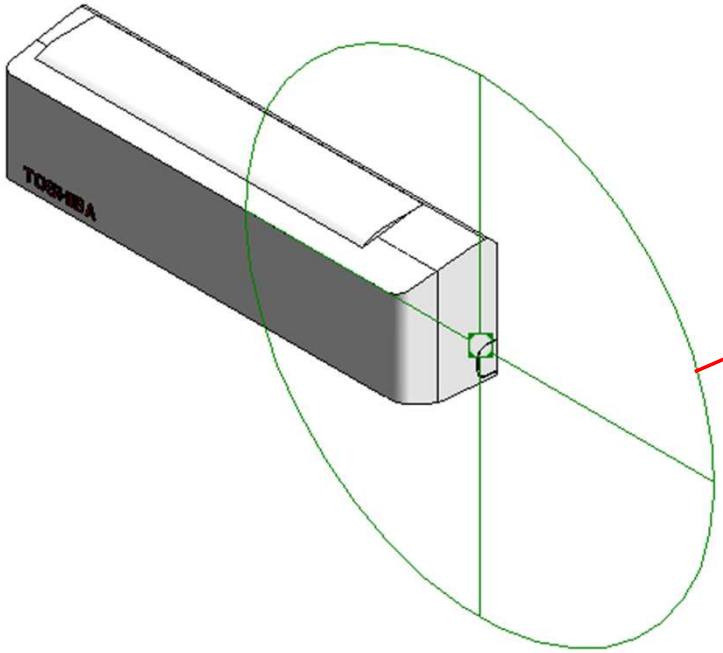
VRF_MMK1HP_15-24

Visibility	
Service Area (default)	☐
Top Clearance (mm) (default)	110.0
Left Side Clearance (mm) (default)	300.0
Right Side Clearance (mm) (default)	300.0



Service Clearance OFF

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 CONNECTION PORT

Pipe Connectors

Properties

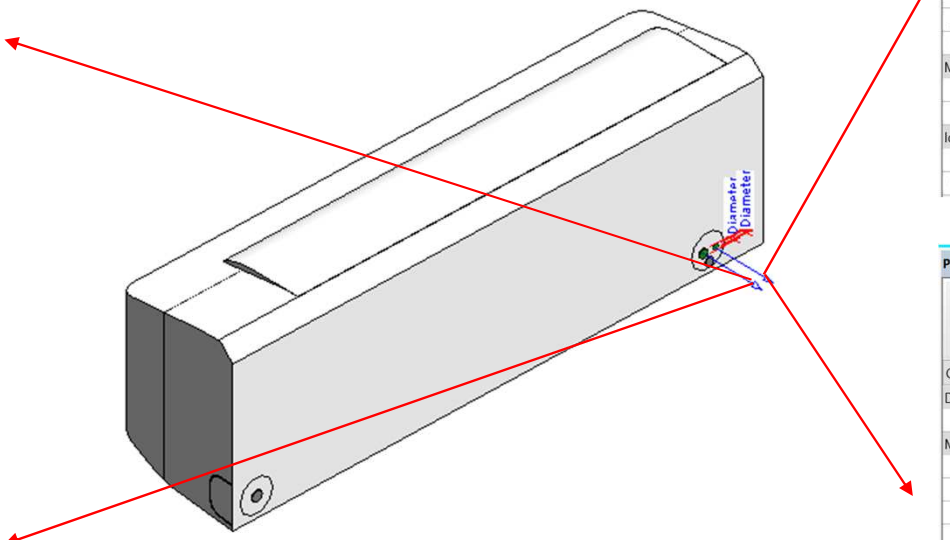
Connector Element (1)

Dimensions	
Diameter	15.9
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Out
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) CONNECTION PORT @ 15.9mm

Properties

Connector Element (1)

Dimensions	
Diameter	12.7
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Out
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) CONNECTION PORT @ 12.7mm



Properties

Connector Element (1)

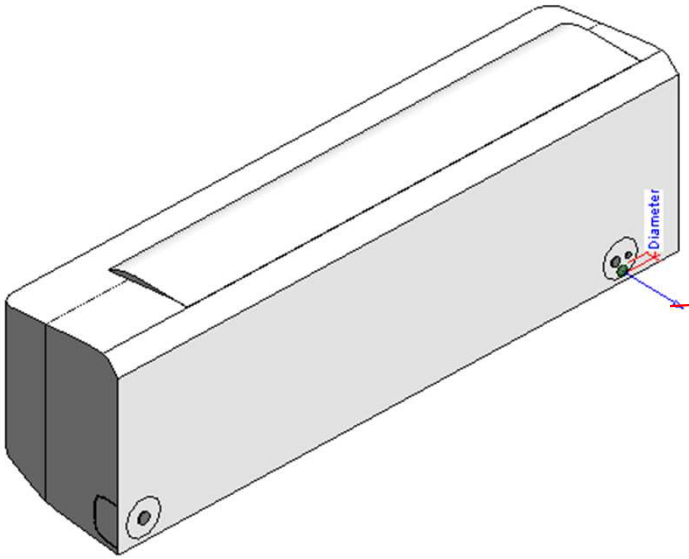
Dimensions	
Diameter	6.4
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	In
Loss Method	Not Defined
Allow Slope Adjustments	☐
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.00 L/s
Pressure Drop	0.00 Pa
Identity Data	
Utility	☐
Connector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

Properties

Connector Element (1)

Dimensions	
Diameter	9.5
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	In
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) CONNECTION PORT @9.5mm

Drain Pipe Connector



Properties

Connector Element (1)	
Dimensions	
Diameter	16.0
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Out
Loss Method	Not Defined
Allow Slope Adjustm...	☐
System Classification	Vent
Mechanical - Flow	
Flow	0.00 L/s
Pressure Drop	0.00 Pa
Identity Data	
Utility	☐
Connector Description	DRAIN PIPE CONNECTION PORT @16mm

MMK-UP0151HP-E

Family Types

Type name: MMK-UP0151HP-E

Search parameters

Parameter	Value	Formula
Materials and Finishes		
Red	Colour RGB-255 000 000	=
White	Colour RGB-255 255 255	=
Electrical		
MOCP (A)	15	=
MCA (A)	0.36	=
Running current-Cooling (A)	0.26	=
Power consumption-Cooling (Kw)	0.028	=
Running current-Heating	-	=
Power consumption-Heating	-	=
Frequency (Hz)	50Hz 220-240V	=
Voltage (V)	60Hz 208-230V	=
Starting current (A)	0.35	=
Dimensions		
Height (mm)	320.0	=
Width (mm)	1050.0	=
Depth (mm)	250.0	=
Hydronic Return Diameter (mm)	12.7	=
Hydronic Supply Diameter (mm)	6.4	=
Drain Pipe Diameter (mm)	16.0	=
Duct diameters(mm)	-	=
Mechanical - Flow		
Static pressure	-	=
Sound pressure - High (dB)	40	=
Sound pressure - Mid+ (dB)	38	=
Sound pressure - Mid (dB)	36	=
Sound pressure - Low+ (dB)	34	=
Sound pressure - Low (dB)	32	=
Airflow - High (m3/h)	840	=
Airflow - Mid+ (m3/h)	770	=
Airflow - Mid (m3/h)	690	=
Airflow - Low+ (m3/h)	620	=
Airflow - Low (m3/h)	550	=
Power consumption - High (W)	28	=
Power consumption - Mid (W)	23	=
Power consumption - Low (W)	18	=
Mechanical - Loads		
Seasonal & Rated efficiency	-	=
Part load	-	=
Capacities - Cooling (kW)	4.5	=
Capacities - Heating (kW)	5.0	=

Family Types

Type name: MMK-UP0151HP-E

Search parameters

Parameter	Value	Formula
Capacities - Cooling (kW)	4.5	=
Capacities - Heating (kW)	5.0	=
Visibility		
Service Area (default)	☐	=
Top Clearance (mm) (default)	110.0	=
Left Side Clearance (mm) (default)	300.0	=
Right Side Clearance (mm) (default)	300.0	=
Other		
Compressor detail-Type	-	=
Compressor detail-Motor output kW	-	=
Connectivity	-	=
Operating range	-	=
Refrigerant Information	R410A	=
Weight (Kg)	16	=
Identity Data		
Article Description	High wall	=
Article Type	MMK-UP0151HP-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 Art. No.	MMK-UP0151HP-E	=
Manufacturer URL	https://www.toshiba-carrier.co.jp/global/	=
Product Line	TCTC	= "TCTC"
Revit Version	2017	= "2017"
Stabu Code		=
Type Image		=
Keynote		=
Model	MMK-UP0151HP-E	=
Manufacturer	Toshiba	= "Toshiba"
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	High wall	=
Assembly Code		=
Cost		=

MMK-UP0181HP-E

Family Types

Type name: MMK-UP0181HP-E

Search parameters

Parameter	Value	Formula
Materials and Finishes		
Red	Colour RGB-255 000 000	=
White	Colour RGB-255 255 255	=
Electrical		
MOCP (A)	15	=
MCA (A)	0.4	=
Running current-Cooling (A)	0.29	=
Power consumption-Cooling (Kw)	0.032	=
Running current-Heating	-	=
Power consumption-Heating	-	=
Frequency (Hz)	50Hz 220-240V	=
Voltage (V)	60Hz 208-230V	=
Starting current (A)	0.38	=
Dimensions		
Height (mm)	320.0	=
Width (mm)	1050.0	=
Depth (mm)	250.0	=
Hydronic Return Diameter (mm)	12.7	=
Hydronic Supply Diameter (mm)	6.4	=
Drain Pipe Diameter (mm)	16.0	=
Duct diameters(mm)	-	=
Mechanical - Flow		
Static pressure	-	=
Sound pressure - High (dB)	41	=
Sound pressure - Mid+ (dB)	39	=
Sound pressure - Mid (dB)	37	=
Sound pressure - Low+ (dB)	35	=
Sound pressure - Low (dB)	32	=
Airflow - High (m3/h)	900	=
Airflow - Mid+ (m3/h)	810	=
Airflow - Mid (m3/h)	720	=
Airflow - Low+ (m3/h)	640	=
Airflow - Low (m3/h)	550	=
Power consumption - High (W)	32	=
Power consumption - Mid (W)	24	=
Power consumption - Low (W)	18	=
Mechanical - Loads		
Seasonal & Rated efficiency	-	=
Part load	-	=
Capacities - Cooling (kW)	5.6	=
Capacities - Heating (kW)	6.3	=

Family Types

Type name: MMK-UP0181HP-E

Search parameters

Parameter	Value	Formula
Capacities - Cooling (kW)	5.6	=
Capacities - Heating (kW)	6.3	=
Visibility		
Service Area (default)	☑	=
Top Clearance (mm) (default)	110.0	=
Left Side Clearance (mm) (default)	300.0	=
Right Side Clearance (mm) (default)	300.0	=
Other		
Compressor detail-Type	-	=
Compressor detail-Motor output kW	-	=
Connectivity	-	=
Operating range	-	=
Refrigerant Information	R410A	=
Weight (Kg)	16	=
Identity Data		
Article Description	High wall	=
Article Type	MMK-UP0181HP-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 Art. No.	MMK-UP0181HP-E	=
Manufacturer URL	https://www.toshiba-carrier.co.jp/global/	=
Product Line	TCTC	= "TCTC"
Revit Version	2017	= "2017"
Stabu Code		=
Type Image		=
Keynote		=
Model	MMK-UP0181HP-E	=
Manufacturer	Toshiba	= "Toshiba"
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	High wall	=
Assembly Code		=
Cost		=

MMK-UP0241HP-E

Family Types

Type name: MMK-UP0241HP-E

Search parameters

Parameter	Value	Formula
Materials and Finishes		
Red	Colour RGB-255 000 000	=
White	Colour RGB-255 255 255	=
Electrical		
MOCP (A)	15	=
MCA (A)	0.58	=
Running current-Cooling (A)	0.4	=
Power consumption-Cooling (Kw)	0.05	=
Running current-Heating	-	=
Power consumption-Heating	-	=
Frequency (Hz)	50Hz 220-240V	=
Voltage (V)	60Hz 208-230V	=
Starting current (A)	0.5	=
Dimensions		
Height (mm)	320.0	=
Width (mm)	1050.0	=
Depth (mm)	250.0	=
Hydronic Return Diameter (mm)	15.9	=
Hydronic Supply Diameter (mm)	9.5	=
Drain Pipe Diameter (mm)	16.0	=
Duct diameters(mm)	-	=
Mechanical - Flow		
Static pressure	-	=
Sound pressure - High (dB)	45	=
Sound pressure - Mid+ (dB)	42	=
Sound pressure - Mid (dB)	39	=
Sound pressure - Low+ (dB)	36	=
Sound pressure - Low (dB)	33	=
Airflow - High (m3/h)	1200	=
Airflow - Mid+ (m3/h)	1050	=
Airflow - Mid (m3/h)	900	=
Airflow - Low+ (m3/h)	750	=
Airflow - Low (m3/h)	600	=
Power consumption - High (W)	50	=
Power consumption - Mid (W)	32	=
Power consumption - Low (W)	18	=
Mechanical - Loads		
Seasonal & Rated efficiency	-	=
Part load	-	=
Capacities - Cooling (kW)	7.1	=
Capacities - Heating (kW)	8	=

Family Types

Type name: MMK-UP0241HP-E

Search parameters

Parameter	Value	Formula
Capacities - Cooling (kW)	7.1	=
Capacities - Heating (kW)	8	=
Visibility		
Service Area (default)	☑	=
Top Clearance (mm) (default)	110.0	=
Left Side Clearance (mm) (default)	300.0	=
Right Side Clearance (mm) (default)	300.0	=
Other		
Compressor detail-Type	-	=
Compressor detail-Motor output kW	-	=
Connectivity	-	=
Operating range	-	=
Refrigerant Information	R410A	=
Weight (Kg)	16	=
Identity Data		
Article Description	High wall	=
Article Type	MMK-UP0241HP-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 Art. No.	MMK-UP0241HP-E	=
Manufacturer URL	https://www.toshiba-carrier.co.jp/global/	=
Product Line	TCTC	= "TCTC"
Revit Version	2017	= "2017"
Stabu Code		=
Type Image		=
Keynote		=
Model	MMK-UP0241HP-E	=
Manufacturer	Toshiba	= "Toshiba"
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	High wall	=
Assembly Code		=
Cost		=



Thank You