

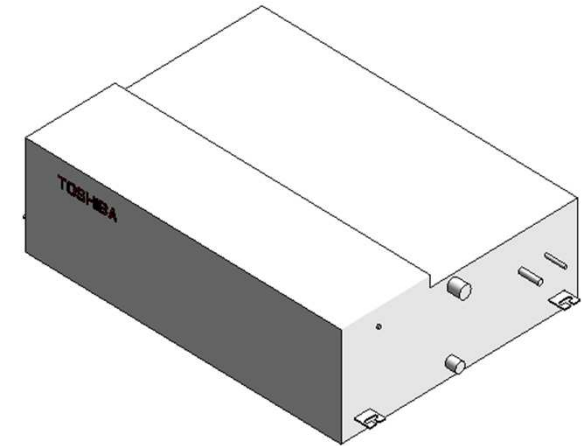
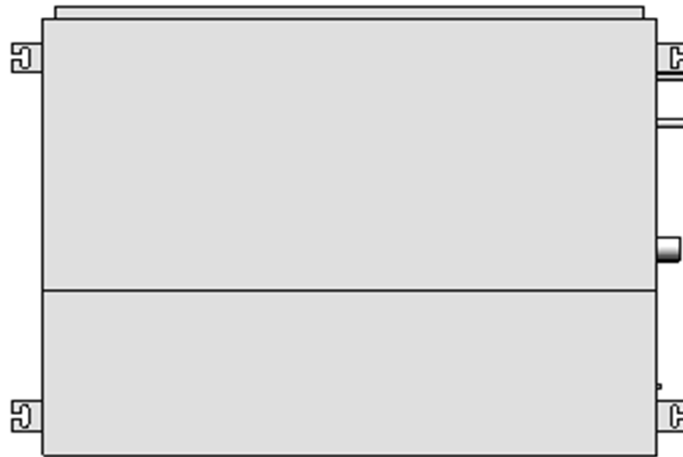
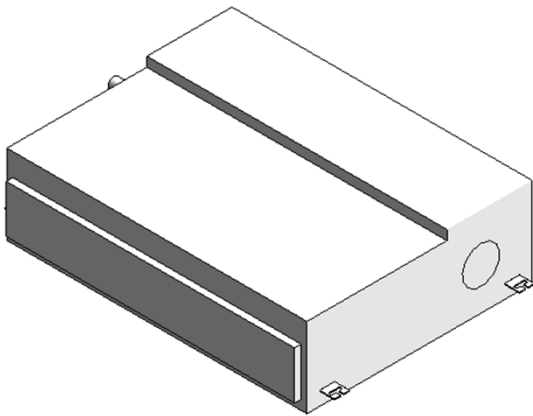
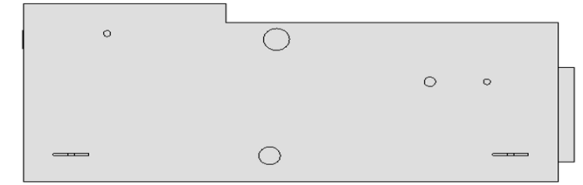
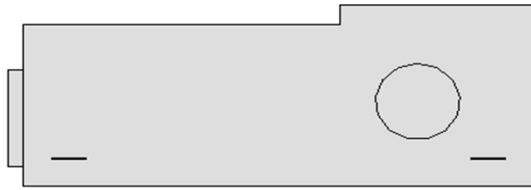


**HCL**

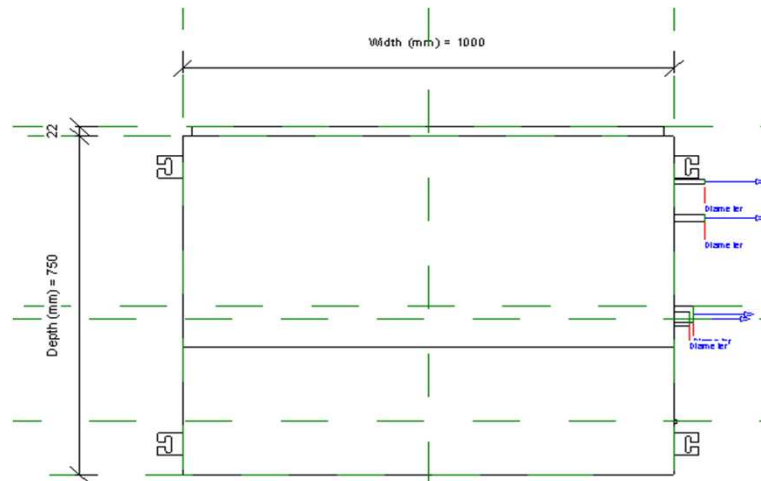
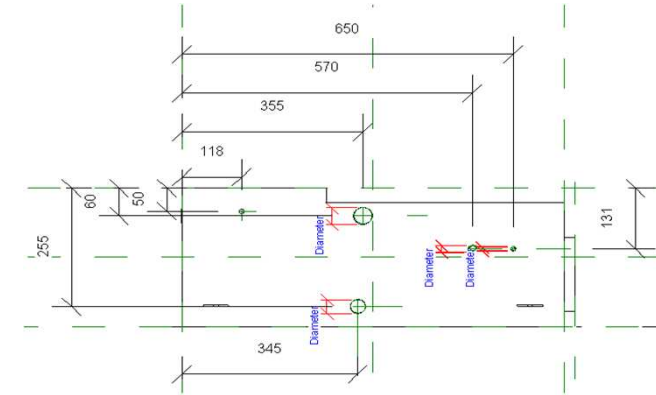
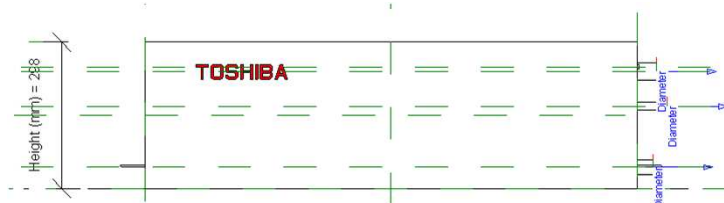
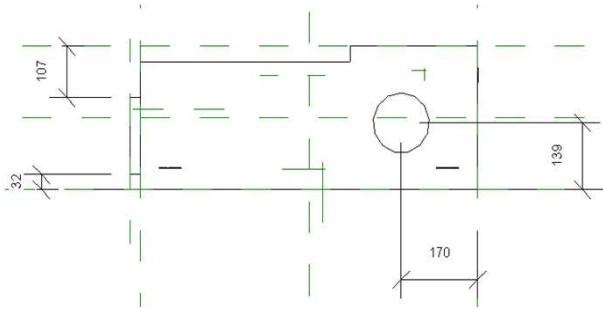
VRF\_MMDHP\_18-27

18-01-2021

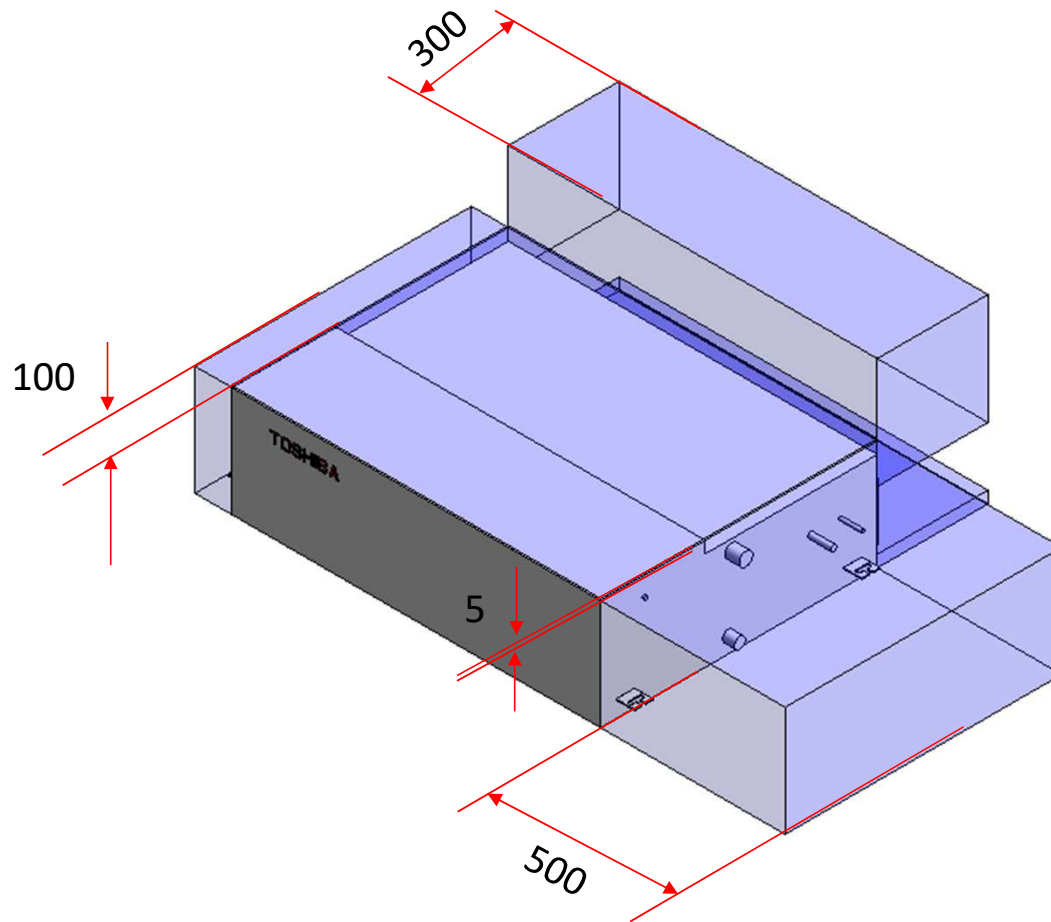
# VRF\_MMDHP\_18-27



# VRF\_MMDHP\_18-27



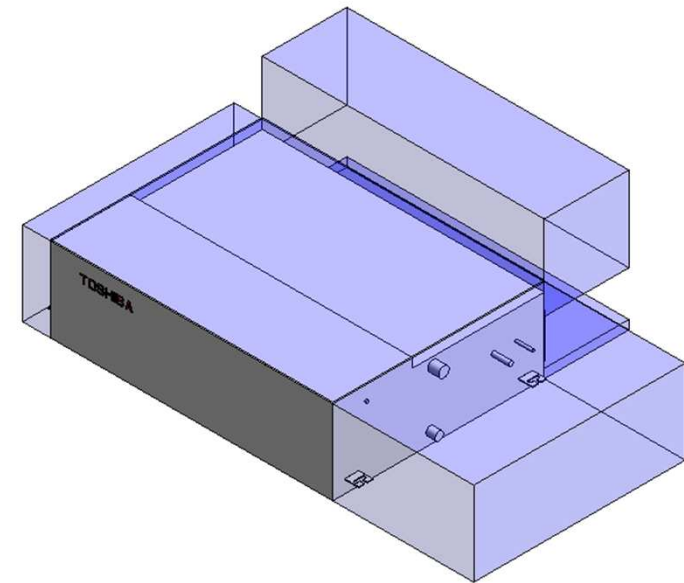
# VRF\_MMDHP\_18-27\_Service Area



# VRF\_MMDHP\_18-27

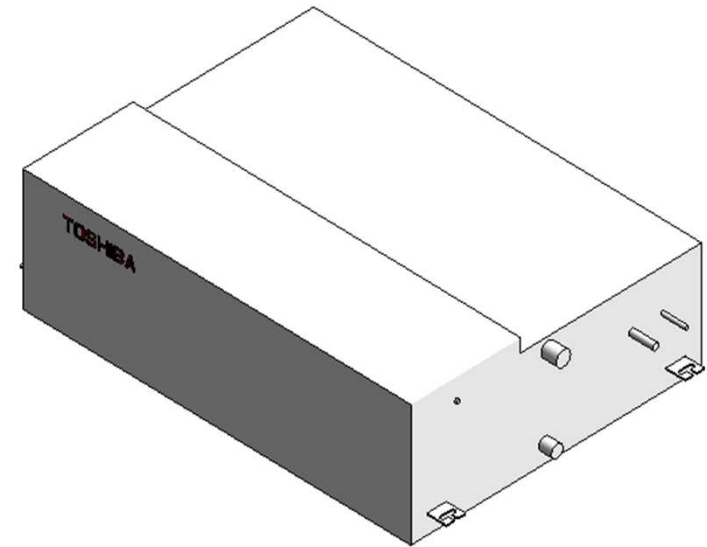
Visibility	
Service Area (default)	<input checked="" type="checkbox"/>
Top Clearance (default)	5.0
Right Side Clearance (default)	500.0
Left Side Clearance (default)	100.0
Rear side Clearance (default)	300.0

Service Clearance ON



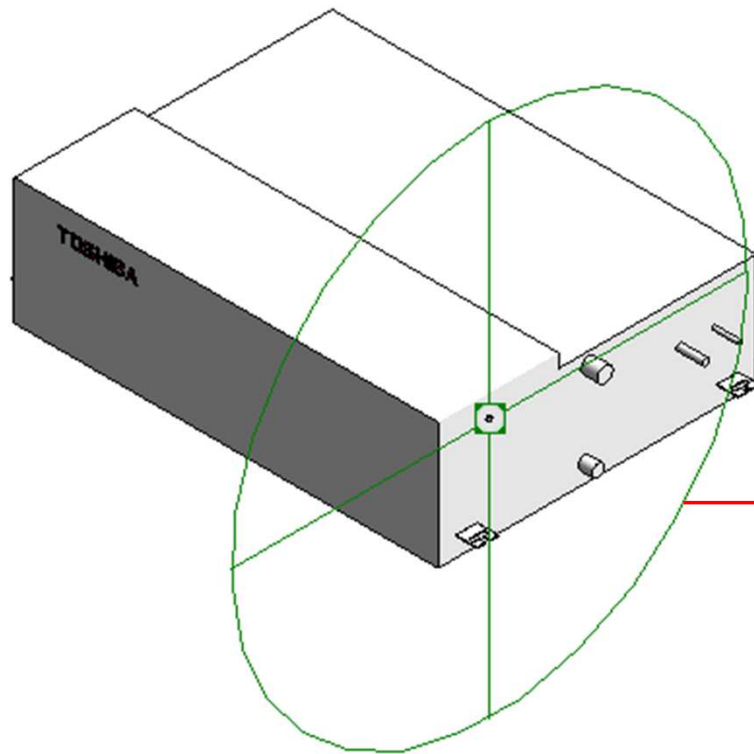
# VRF\_MMDHP\_18-27

Visibility	
Service Area (default)	<input type="checkbox"/>
Top Clearance (default)	5.0
Right Side Clearance (default)	500.0
Left Side Clearance (default)	100.0
Rear side Clearance (default)	300.0



Service Clearance OFF

# Electrical Connector



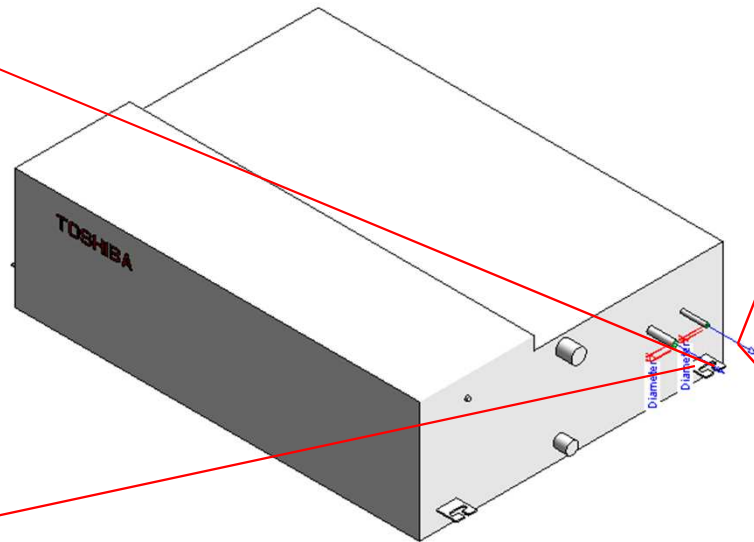
Connector Element (1) <span>Edit Type</span>	
<b>Electrical - Loads</b>	
System Type	Power - Unbalanced
Number of Poles	1
Power Factor State	Lagging
Load Classification	Other
Load Sub-Classification Motor	<input type="checkbox"/>
Voltage	0.00 V
Apparent Load Phase 1	0.00 VA
Apparent Load Phase 2	0.00 VA
Apparent Load Phase 3	0.00 VA
Power Factor	1.000000
<b>Identity Data</b>	
Utility	<input type="checkbox"/>
Connector Description	ELECTRICAL CONNECTOR



# Pipe Connectors

Properties	
<b>R</b>	
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	<input type="checkbox"/>
System Classification	Hydronic Return
Mechanical - Flow	
Flow	0.00 L/s
Pressure Drop	0.00 Pa
Identity Data	
Utility	<input type="checkbox"/>
Connector Description	HYDRONIC RETURN (GAS) PORT @ 12.7mm

Properties	
<b>R</b>	
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	<input type="checkbox"/>
System Classification	Hydronic Return
Mechanical - Flow	
Flow	0.00 L/s
Pressure Drop	0.00 Pa
Identity Data	
Utility	<input type="checkbox"/>
Connector Description	HYDRONIC RETURN (GAS) PORT @ 15.9mm

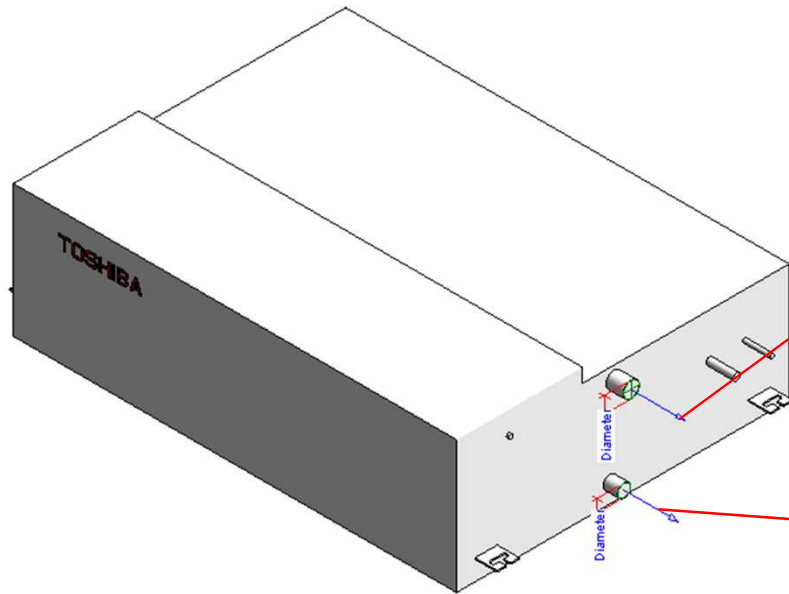


Properties	
<b>R</b>	
Connector Element (1)	
Dimensions	
Diameter	9.5
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	In
Loss Method	Not Defined
Allow Slope Adjustments	<input type="checkbox"/>
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.00 L/s
Pressure Drop	0.00 Pa
Identity Data	
Utility	<input type="checkbox"/>
Connector Description	HYDRONIC SUPPLY (LIQUID) PORT @ 9.5mm

Properties	
<b>R</b>	
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	<input type="checkbox"/>
System Classification	Hydronic Supply
Mechanical - Flow	
Flow	0.00 L/s
Pressure Drop	0.00 Pa
Identity Data	
Utility	<input type="checkbox"/>
Connector Description	HYDRONIC SUPPLY (LIQUID) PORT @ 6.4mm



# Duct Connectors



Properties	
<b>R</b>	
Connector Element (1)	
Dimensions	
Diameter	36.0
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Out
Loss Method	Not Defined
Allow Slope Adjustments	<input type="checkbox"/>
System Classification	Vent
Mechanical - Flow	
Flow	0.00 L/s
Pressure Drop	0.00 Pa
Identity Data	
Utility	<input type="checkbox"/>
Connector Description	Drain pipe connecting port

Properties	
<b>R</b>	
Connector Element (1)	
Dimensions	
Diameter	30.0
Mechanical	
K Coefficient	0.000000
Flow Factor	0.000000
Flow Configuration	Calculated
Flow Direction	Out
Loss Method	Not Defined
Allow Slope Adjustments	<input type="checkbox"/>
System Classification	Vent
Mechanical - Flow	
Flow	0.00 L/s
Pressure Drop	0.00 Pa
Identity Data	
Utility	<input type="checkbox"/>
Connector Description	Drain pipe connecting port

# MMD-UP0181HP-E

## Family Types

Type name: MMD-UP0181HP-E

Search parameters

Parameter	Value	Formula
<b>Materials and Finishes</b>		
Red	Colour RGB-255 000 000	=
White	Colour RGB-255 255 255	=
<b>Electrical</b>		
MOCP (A)	15	=
MCA (A)	-	=
Running current-Cooling (A)	0.82	=
Power consumption-Cooling (Kw)	0.125	=
Running current-Heating	-	=
Power consumption-Heating	-	=
Frequency (Hz)	50Hz 220-240V	=
Voltage (V)	60Hz 208-220V	=
Starting current	1.43	=
<b>Dimensions</b>		
Height (mm)	298.0	=
Width (mm)	1000.0	=
Depth (mm)	750.0	=
Piping diameter Gas (mm)	12.7	=
Piping diameter Liquid (mm)	6.4	=
Drain pipe(mm)	VP25(OD:32mm)	=
Duct diameters(mm)	-	=
<b>Mechanical - Flow</b>		
Static pressure Pa	50-75-100-125-150-175-200	=
Factory default	100	=
Sound pressure dB(A)- High	37	=
Sound pressure dB(A)- Mid	33	=
Sound pressure dB(A)- Low	31	=
Airflow m3/h- High	1100	=
Airflow m3/h- Mid	990	=
Airflow m3/h- Low	900	=
Power Consumption W- High	125	=
Power Consumption W- Mid	-	=
Power Consumption W- Low	-	=
<b>Mechanical - Loads</b>		
Seasonal and Rated Efficiency	-	=
Part Load	-	=
Capacities KW - Cooling	5.6	=
Capacities KW - Heating	6.3	=
<b>Energy Analysis</b>		
Energy class	-	=
Capacity	-	=
Rated efficiency	-	=

## Family Types

Type name: MMD-UP0181HP-E

Search parameters

Parameter	Value	Formula
<b>Visibility</b>		
Service Area (default)	<input type="checkbox"/>	=
Top Clearance (default)	5.0	=
Right Side Clearance (default)	500.0	=
Left Side Clearance (default)	100.0	=
Rear side Clearance (default)	300.0	=
<b>Other</b>		
Refrigerant information	R410A	=
Sold separately parts (Air Filter)	TCB-LK801D-E	=
Sold separately parts (Spigot Shaped Flange)	TCB-SF80C6BPE	=
Sold separately parts (Auxiliary fresh air flange)	TCB-FF151US-E	=
Weight (Kg)	34	=
<b>Identity Data</b>		
Article Description	Ducted High static pressure	=
Article Type	MMD-UP0181HP-E	=
Base Family Version		=
CB-NL Class		=
Content Supplier URL	www.hcltech.com	=
Copyright	©Toshiba / HCL	= "©Toshiba / HCL"
Custom	<input checked="" type="checkbox"/>	=
EMCS	4	= "4"
ETIM Article Class	EC001213	= "EC001213"
Family Version		=
GLN		=
GTIN		=
Internal Art. No.		=
MEPcontent Class	HEATPUMP	= "HEATPUMP"
Manufacturer Art. No.	MMD-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	MMD-UP0181HP-E	=
Manufacturer	Toshiba	= "Toshiba"
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	Ducted High static pressure	=
Assembly Code		=
Cost		=
Watermarked By		=
Wholesaler		=

# MMD-UP0241HP-E

## Family Types

Type name: MMD-UP0241HP-E

Search parameters

Parameter	Value	Formula
<b>Materials and Finishes</b>		
Red	Colour RGB-255 000 000	*
White	Colour RGB-255 255 255	*
<b>Electrical</b>		
MOCP (A)	15	*
MCA (A)	1.66	*
Running current-Cooling (A)	0.92	*
Power consumption-Cooling (Kw)	0.14	*
Running current-Heating	-	*
Power consumption-Heating	-	*
Frequency (Hz)	50Hz 220-240V	*
Voltage (V)	60Hz 208-220V	*
Starting current	1.55	*
<b>Dimensions</b>		
Height (mm)	298.0	*
Width (mm)	1000.0	*
Depth (mm)	750.0	*
Piping diameter Gas (mm)	15.9	*
Piping diameter Liquid (mm)	9.5	*
Drain pipe(mm)	VP25(OD:32mm)	*
Duct diameters(mm)	-	*
<b>Mechanical - Flow</b>		
Static pressure Pa	50-75-100-125-150-175-200	*
Factory default	100	*
Sound pressure dB(A)- High	38	*
Sound pressure dB(A)- Mid	34	*
Sound pressure dB(A)- Low	31	*
Airflow m3/h- High	1200	*
Airflow m3/h- Mid	1050	*
Airflow m3/h- Low	960	*
Power Consumption W- High	140	*
Power Consumption W- Mid	-	*
Power Consumption W- Low	-	*
<b>Mechanical - Loads</b>		
Seasonal and Rated Efficiency	-	*
Part Load	-	*
Capacities KW - Cooling	7.1	*
Capacities KW - Heating	8	*
<b>Energy Analysis</b>		
Energy class	-	*
Capacity	-	*
Rated efficiency	-	*

## Family Types

Type name: MMD-UP0241HP-E

Search parameters

Parameter	Value	Formula
<b>Visibility</b>		
Service Area (default)	<input type="checkbox"/>	*
Top Clearance (default)	5.0	*
Right Side Clearance (default)	500.0	*
Left Side Clearance (default)	100.0	*
Rear side Clearance (default)	300.0	*
<b>Other</b>		
Refrigerant information	R410A	*
Sold separately parts (Air Filter)	TCB-LK801D-E	*
Sold separately parts (Spigot Shaped Flange)	TCB-SF80C6BPE	*
Sold separately parts (Auxiliary fresh air flange)	TCB-FF151US-E	*
Weight (Kg)	34	*
<b>Identity Data</b>		
Article Description	Ducted High static pressure	*
Article Type	MMD-UP0241HP-E	*
Base Family Version		*
CB-NL Class		*
Content Supplier URL	www.hcltech.com	*
Copyright	©Toshiba / HCL	*"©Toshiba / HCL"
Custom	<input checked="" type="checkbox"/>	*
EMCS	4	*"4"
ETIM Article Class	EC001213	*"EC001213"
Family Version		*
GLN		*
GTIN		*
Internal Art. No.		*
MEPcontent Class	HEATPUMP	*"HEATPUMP"
Manufacturer Art. No.	MMD-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	MMD-UP0241HP-E	*
Manufacturer	Toshiba	*"Toshiba"
Type Comments		*
URL	https://www.toshiba-carrier.co.jp/global/	*
Description	Ducted High static pressure	*
Assembly Code		*
Cost		*
Watermarked By		*
Wholesaler		*



# MMD-UP0271HP-E

## Family Types

Type name: MMD-UP0271HP-E

Search parameters

Parameter	Value	Formula
<b>Materials and Finishes</b>		
Red	Colour RGB-255 000 000	=
White	Colour RGB-255 255 255	=
<b>Electrical</b>		
MOCF (A)	15	=
MCA (A)	-	=
Running current-Cooling (A)	1.16	=
Power consumption-Cooling (Kw)	0.19	=
Running current-Heating	-	=
Power consumption-Heating	-	=
Frequency (Hz)	50Hz 220-240V	=
Voltage (V)	60Hz 208-220V	=
Starting current	1.86	=
<b>Dimensions</b>		
Height (mm)	298.0	=
Width (mm)	1000.0	=
Depth (mm)	750.0	=
Piping diameter Gas (mm)	15.9	=
Piping diameter Liquid (mm)	9.5	=
Drain pipe(mm)	VP25(OD:32mm)	=
Duct diameters(mm)	-	=
<b>Mechanical - Flow</b>		
Static pressure Pa	50-75-100-125-150-175-200	=
Factory default	100	=
Sound pressure dB(A)- High	43	=
Sound pressure dB(A)- Mid	41	=
Sound pressure dB(A)- Low	38	=
Airflow m3/h- High	1500	=
Airflow m3/h- Mid	1350	=
Airflow m3/h- Low	1200	=
Power Consumption W- High	190	=
Power Consumption W- Mid	-	=
Power Consumption W- Low	-	=
<b>Mechanical - Loads</b>		
Seasonal and Rated Efficiency	-	=
Part Load	-	=
Capacities KW - Cooling	8	=
Capacities KW - Heating	9	=
<b>Energy Analysis</b>		
Energy class	-	=
Capacity	-	=
Rated efficiency	-	=

## Family Types

Type name: MMD-UP0271HP-E

Search parameters

Parameter	Value	Formula
<b>Visibility</b>		
Service Area (default)	<input type="checkbox"/>	=
Top Clearance (default)	5.0	=
Right Side Clearance (default)	500.0	=
Left Side Clearance (default)	100.0	=
Rear side Clearance (default)	300.0	=
<b>Other</b>		
Refrigerant information	R410A	=
Sold separately parts (Air Filter)	TCB-LK801D-E	=
Sold separately parts (Spigot Shaped Flange)	TCB-SF80C6BPE	=
Sold separately parts (Auxiliary fresh air flange)	TCB-FF151US-E	=
Weight (Kg)	34	=
<b>Identity Data</b>		
Article Description	Ducted High static pressure	=
Article Type	MMD-UP0271HP-E	=
Base Family Version		=
CB-NL Class		=
Content Supplier URL	www.hcltech.com	=
Copyright	©Toshiba / HCL	= "©Toshiba / HCL"
Custom	<input checked="" type="checkbox"/>	=
EMCS	4	= "4"
ETIM Article Class	EC001213	= "EC001213"
Family Version		=
GLN		=
GTIN		=
Internal Art. No.		=
MEPcontent Class	HEATPUMP	= "HEATPUMP"
Manufacturer Art. No.	MMD-UP0271HP-E	=
Manufacturer URL	https://www.toshiba-carrier.co.jp/global/	=
Product Line	TCTC	= "TCTC"
Revit Version	2017	= "2017"
Stabu Code		=
Type Image		=
Keynote		=
Model	MMD-UP0271HP-E	=
Manufacturer	Toshiba	= "Toshiba"
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	Ducted High static pressure	=
Assembly Code		=
Cost		=
Watermarked By		=
Wholesaler		=



**Thank You**