

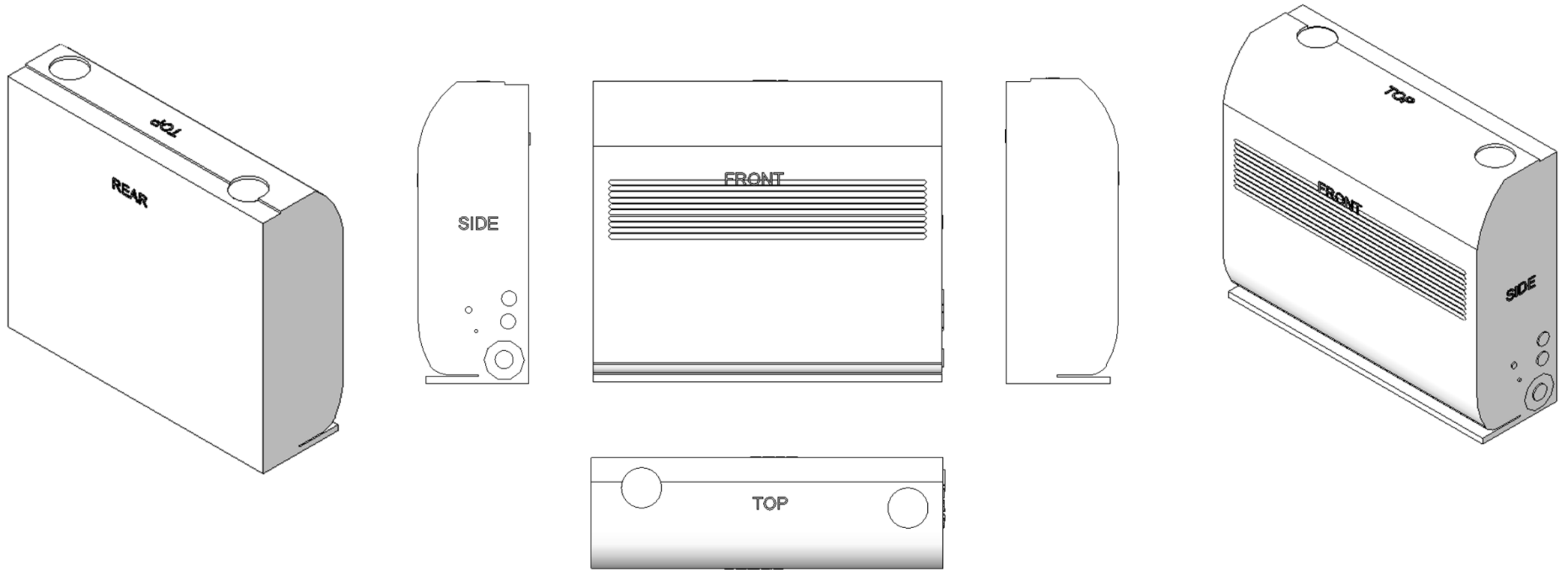


**HCL**

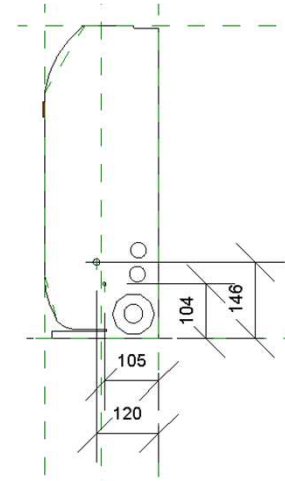
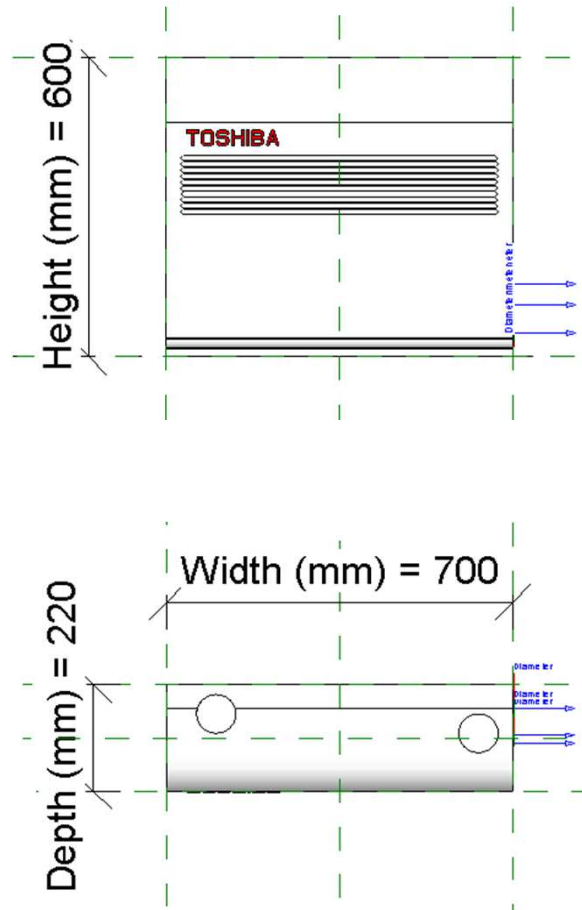
VRF\_MMLNHP\_7-18

27-01-2021

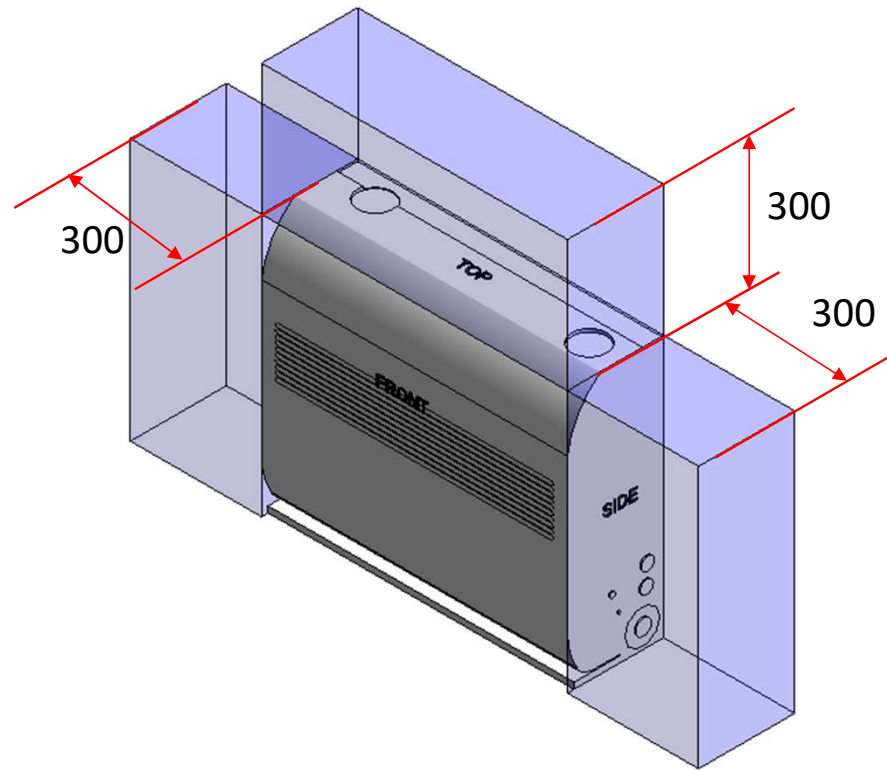
# VRF\_MMLNHP\_7-18



# VRF\_MMLNHP\_7-18

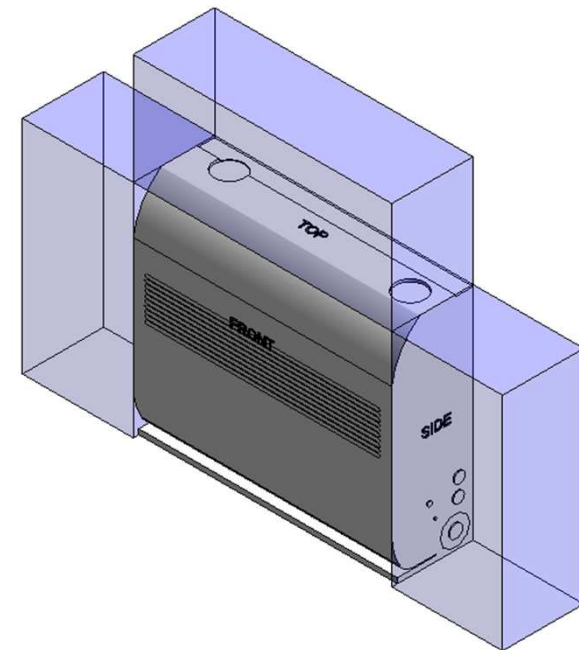


# VRF\_MMLNHP\_7-18\_Service Area



# VRF\_MMLNHP\_7-18

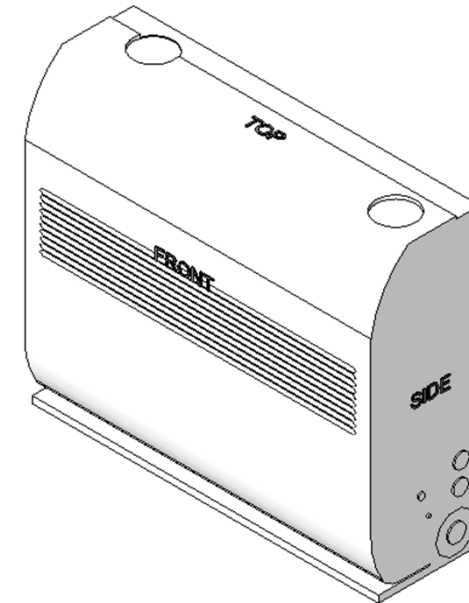
Visibility	
SERVICE AREA (default)	<input checked="" type="checkbox"/>
Top Clearance (default)	300.0
Right Side Clearance (default)	300.0
Left Side Clearance	300.0



Service Clearance ON

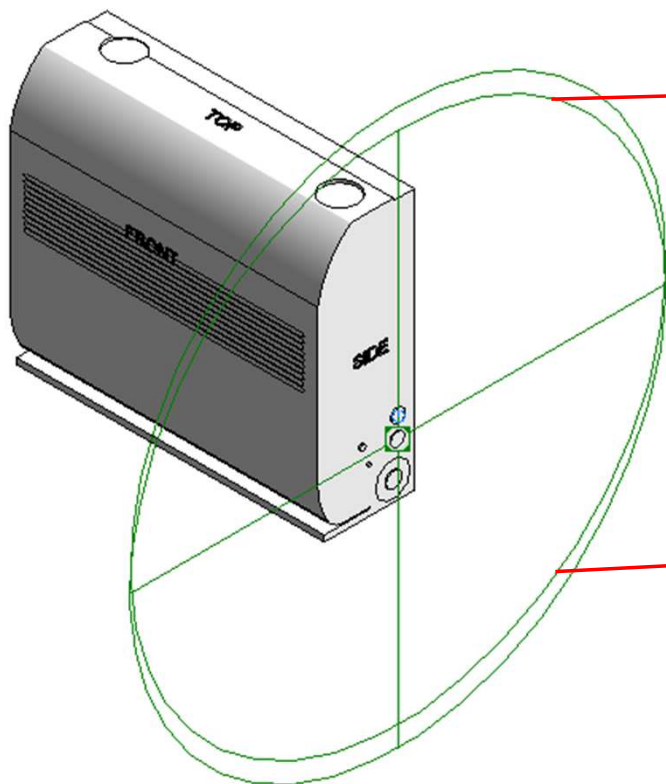
# VRF\_MMLNHP\_7-18

Visibility	
SERVICE AREA (default)	<input type="checkbox"/>
Top Clearance (default)	300.0
Right Side Clearance (default)	300.0
Left Side Clearance	300.0



Service Clearance OFF

# Electrical Connector



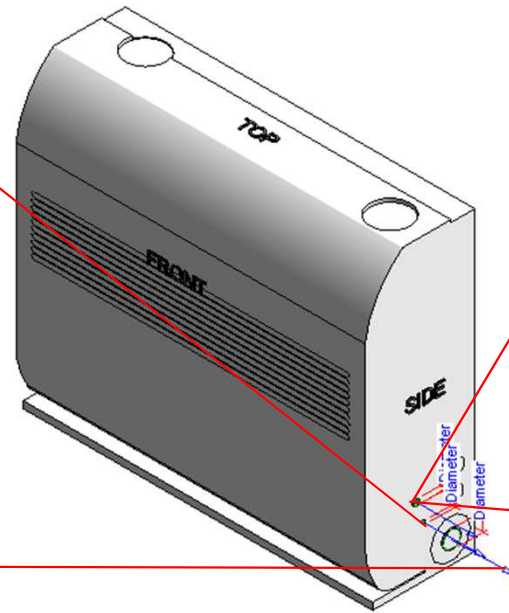
Properties	
R	
Connector Element (1) Edit Type	
Electrical - Loads	
System Type	Power - Unbalanced
Number of Poles	1
Power Factor State	Lagging
Load Classification	Other
Load Sub-Classification Motor	<input type="checkbox"/>
Voltage	0.00 V
Apparent Load Phase 1	0.00 VA
Apparent Load Phase 2	0.00 VA
Apparent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

Properties	
R	
Connector Element (1) Edit Type	
Electrical - Loads	
System Type	Controls
Identity Data	
Utility	<input type="checkbox"/>
Connector Description	CONTROL CABLE PORT

# Pipe Connectors

Properties	
<b>R</b>	
Connector Element (1) Edit T	
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	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	<input type="checkbox"/>
Connector Description	HYDRONIC SUPPLY (LIQUID) PORT @ 6.4mm

Properties	
<b>R</b>	
Connector Element (1) Edit T	
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	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	<input type="checkbox"/>
Connector Description	DRAIN PORT



Properties	
<b>R</b>	
Connector Element (1) Edit T	
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	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	<input type="checkbox"/>
Connector Description	HYDRONIC RETURN (GAS) PORT @ 12.7mm

Properties	
<b>R</b>	
Connector Element (1) Edit T	
Dimensions	
Diameter	9.5
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	0.000 GPM
Pressure Drop	0.000 psi
Identity Data	
Utility	<input type="checkbox"/>
Connector Description	HYDRONIC RETURN (GAS) PORT @ 9.5mm



# MML-UP0071NHP-E

## Family Types

Type name: MML-UP0071NHP-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)	0.26	=
Running current-Cooling	0.2	=
Power consumption-Cooling	0.021	=
Running current-Heating	-	=
Power consumption-Heating	-	=
Frequency (Hz)	50Hz 220-240V	=
Voltage (V)	60Hz 208-230V	=
Starting current	0.26	=
<b>Dimensions</b>		
Height (mm)	600.0	=
Width (mm)	700.0	=
Depth (mm)	220.0	=
Piping diameter Gas (mm)	9.5	=
Piping diameter Liquid (mm)	6.4	=
Drain pipe	16.0	=
Duct diameters(mm)	-	=
<b>Mechanical - Flow</b>		
Static pressure	-	=
Sound pressure dB(A) -High	38	=
Sound pressure dB(A)- Mid	32	=
Sound pressure dB(A)- Low	26	=
Airflow m3/h- High	510	=
Airflow m3/h- Mid	366	=
Airflow m3/h- Low	282	=
Power Consumption W -High	21	=
Power Consumption W- Mid	14	=
Power Consumption W- Low	10	=
<b>Mechanical - Loads</b>		
Seasonal and Rated Efficiency	-	=
Part Load	-	=
Capacities KW - Cooling	2.2	=
Capacities KW - Heating	2.5	=
<b>Energy Analysis</b>		
Energy class	-	=
Capacity	-	=
Rated efficiency	-	=

## Family Types

Type name: MML-UP0071NHP-E

Search parameters

Parameter	Value	Formula
Capacity	-	=
Rated efficiency	-	=
<b>Visibility</b>		
SERVICE AREA (default)	<input type="checkbox"/>	=
Top Clearance (default)	300.0	=
Right Side Clearance (default)	300.0	=
Left Side Clearance	300.0	=
<b>Other</b>		
Refrigerant information	R410A	=
Weight (Kg)	17	=
<b>Identity Data</b>		
Article Description	Bi flow console	=
Article Type	MML-UP0071NHP-E	=
Base Family Version		=
CB-NL Class		=
Content Supplier URL	www.hcltech.com	=
Copyright		=
Custom	<input checked="" type="checkbox"/>	=
EMCS		=
ETIM Article Class	EC001213	= "EC001213"
Family Version		=
GLN		=
GTIN		=
Internal Art. No.		=
MEPcontent Class	HEATPUMP	= "HEATPUMP"
Manufacturer Art. No.		=
Manufacturer URL	https://www.toshiba-carrier.co.jp/global/	=
Product Line	TCTC	= "TCTC"
Revit Version		=
Stabu Code		=
Type Image		=
Keynote		=
Model	MML-UP0071NHP-E	=
Manufacturer	Toshiba	= "Toshiba"
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	Bi flow console	=
Assembly Code		=
Cost		=
Watermarked By		=
Wholesaler		=
Wholesaler Art. No.		=

# MML-UP0091NHP-E

## Family Types

Type name: MML-UP0091NHP-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)	0.26	=
Running current-Cooling	0.2	=
Power consumption-Cooling	0.021	=
Running current-Heating	-	=
Power consumption-Heating	-	=
Frequency (Hz)	50Hz 220-240V	=
Voltage (V)	60Hz 208-230V	=
Starting current	0.26	=
<b>Dimensions</b>		
Height (mm)	600.0	=
Width (mm)	700.0	=
Depth (mm)	220.0	=
Piping diameter Gas (mm)	9.5	=
Piping diameter Liquid (mm)	6.4	=
Drain pipe	16.0	=
Duct diameters(mm)	-	=
<b>Mechanical - Flow</b>		
Static pressure	-	=
Sound pressure dB(A) -High	38	=
Sound pressure dB(A)- Mid	32	=
Sound pressure dB(A)- Low	26	=
Airflow m3/h- High	510	=
Airflow m3/h- Mid	366	=
Airflow m3/h- Low	282	=
Power Consumption W -High	21	=
Power Consumption W- Mid	14	=
Power Consumption W- Low	10	=
<b>Mechanical - Loads</b>		
Seasonal and Rated Efficiency	-	=
Part Load	-	=
Capacities KW - Cooling	2.8	=
Capacities KW - Heating	3.2	=
<b>Energy Analysis</b>		
Energy class	-	=
Capacity	-	=
Rated efficiency	-	=

## Family Types

Type name: MML-UP0091NHP-E

Search parameters

Parameter	Value	Formula
Capacity	-	=
Rated efficiency	-	=
<b>Visibility</b>		
SERVICE AREA (default)	<input type="checkbox"/>	=
Top Clearance (default)	300.0	=
Right Side Clearance (default)	300.0	=
Left Side Clearance	300.0	=
<b>Other</b>		
Refrigerant information	R410A	=
Weight (Kg)	17	=
<b>Identity Data</b>		
Article Description	Bi flow console	=
Article Type	MML-UP0091NHP-E	=
Base Family Version		=
CB-NL Class		=
Content Supplier URL	www.hcltech.com	=
Copyright		=
Custom	<input checked="" type="checkbox"/>	=
EMCS		=
ETIM Article Class	EC001213	= "EC001213"
Family Version		=
GLN		=
GTIN		=
Internal Art. No.		=
MEPcontent Class	HEATPUMP	= "HEATPUMP"
Manufacturer Art. No.		=
Manufacturer URL	https://www.toshiba-carrier.co.jp/global/	=
Product Line	TCTC	= "TCTC"
Revit Version		=
Stabu Code		=
Type Image		=
Keynote		=
Model	MML-UP0091NHP-E	=
Manufacturer	Toshiba	= "Toshiba"
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	Bi flow console	=
Assembly Code		=
Cost		=
Watermarked By		=
Wholesaler		=
Wholesaler Art. No.		=

# MML-UP0121NHP-E

## Family Types

Type name: MML-UP0121NHP-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)	0.31	=
Running current-Cooling	0.23	=
Power consumption-Cooling	0.025	=
Running current-Heating	-	=
Power consumption-Heating	-	=
Frequency (Hz)	50Hz 220-240V	=
Voltage (V)	60Hz 208-230V	=
Starting current	0.3	=
<b>Dimensions</b>		
Height (mm)	600.0	=
Width (mm)	700.0	=
Depth (mm)	220.0	=
Piping diameter Gas (mm)	9.5	=
Piping diameter Liquid (mm)	6.4	=
Drain pipe	16.0	=
Duct diameters(mm)	-	=
<b>Mechanical - Flow</b>		
Static pressure	-	=
Sound pressure dB(A) -High	40	=
Sound pressure dB(A)- Mid	34	=
Sound pressure dB(A)- Low	29	=
Airflow m3/h- High	522	=
Airflow m3/h- Mid	408	=
Airflow m3/h- Low	324	=
Power Consumption W -High	25	=
Power Consumption W- Mid	16	=
Power Consumption W- Low	12	=
<b>Mechanical - Loads</b>		
Seasonal and Rated Efficiency	-	=
Part Load	-	=
Capacities KW - Cooling	3.6	=
Capacities KW - Heating	4	=
<b>Energy Analysis</b>		
Energy class	-	=
Capacity	-	=
Rated efficiency	-	=

## Family Types

Type name: MML-UP0121NHP-E

Search parameters

Parameter	Value	Formula
Capacity	-	=
Rated efficiency	-	=
<b>Visibility</b>		
SERVICE AREA (default)	<input type="checkbox"/>	=
Top Clearance (default)	300.0	=
Right Side Clearance (default)	300.0	=
Left Side Clearance	300.0	=
<b>Other</b>		
Refrigerant information	R410A	=
Weight (Kg)	17	=
<b>Identity Data</b>		
Article Description	Bi flow console	=
Article Type	MML-UP0121NHP-E	=
Base Family Version		=
CB-NL Class		=
Content Supplier URL	www.hcltech.com	=
Copyright		=
Custom	<input checked="" type="checkbox"/>	=
EMCS		=
ETIM Article Class	EC001213	= "EC001213"
Family Version		=
GLN		=
GTIN		=
Internal Art. No.		=
MEPcontent Class	HEATPUMP	= "HEATPUMP"
Manufacturer Art. No.		=
Manufacturer URL	https://www.toshiba-carrier.co.jp/global/	=
Product Line	TCTC	= "TCTC"
Revit Version		=
Stabu Code		=
Type Image		=
Keynote		=
Model	MML-UP0121NHP-E	=
Manufacturer	Toshiba	= "Toshiba"
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	Bi flow console	=
Assembly Code		=
Cost		=
Watermarked By		=
Wholesaler		=
Wholesaler Art. No.		=

# MML-UP0151NHP-E

## Family Types

Type name: MML-UP0151NHP-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)	0.4	=
Running current-Cooling	0.29	=
Power consumption-Cooling	0.034	=
Running current-Heating	-	=
Power consumption-Heating	-	=
Frequency (Hz)	50Hz 220-240V	=
Voltage (V)	60Hz 208-230V	=
Starting current	0.38	=
<b>Dimensions</b>		
Height (mm)	600.0	=
Width (mm)	700.0	=
Depth (mm)	220.0	=
Piping diameter Gas (mm)	12.7	=
Piping diameter Liquid (mm)	6.4	=
Drain pipe	16.0	=
Duct diameters(mm)	-	=
<b>Mechanical - Flow</b>		
Static pressure	-	=
Sound pressure dB(A) -High	43	=
Sound pressure dB(A) -Mid	37	=
Sound pressure dB(A) -Low	31	=
Airflow m3/h- High	624	=
Airflow m3/h- Mid	468	=
Airflow m3/h- Low	384	=
Power Consumption W -High	34	=
Power Consumption W -Mid	19	=
Power Consumption W -Low	15	=
<b>Mechanical - Loads</b>		
Seasonal and Rated Efficiency	-	=
Part Load	-	=
Capacities KW - Cooling	4.5	=
Capacities KW - Heating	5	=
<b>Energy Analysis</b>		
Energy class	-	=
Capacity	-	=
Rated efficiency	-	=

## Family Types

Type name: MML-UP0151NHP-E

Search parameters

Parameter	Value	Formula
Capacity	-	=
Rated efficiency	-	=
<b>Visibility</b>		
SERVICE AREA (default)	<input type="checkbox"/>	=
Top Clearance (default)	300.0	=
Right Side Clearance (default)	300.0	=
Left Side Clearance	300.0	=
<b>Other</b>		
Refrigerant information	R410A	=
Weight (Kg)	17	=
<b>Identity Data</b>		
Article Description	Bi flow console	=
Article Type	MML-UP0151NHP-E	=
Base Family Version		=
CB-NL Class		=
Content Supplier URL	www.hcltech.com	=
Copyright		=
Custom	<input checked="" type="checkbox"/>	=
EMCS		=
ETIM Article Class	EC001213	= "EC001213"
Family Version		=
GLN		=
GTIN		=
Internal Art. No.		=
MEPcontent Class	HEATPUMP	= "HEATPUMP"
Manufacturer Art. No.		=
Manufacturer URL	https://www.toshiba-carrier.co.jp/global/	=
Product Line	TCTC	= "TCTC"
Revit Version		=
Stabu Code		=
Type Image		=
Keynote		=
Model	MML-UP0151NHP-E	=
Manufacturer	Toshiba	= "Toshiba"
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	Bi flow console	=
Assembly Code		=
Cost		=
Watermarked By		=
Wholesaler		=
Wholesaler Art. No.		=

# MML-UP0181NHP-E

## Family Types

Type name: MML-UP0181NHP-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)	0.58	=
Running current-Cooling	0.42	=
Power consumption-Cooling	0.052	=
Running current-Heating	-	=
Power consumption-Heating	-	=
Frequency (Hz)	50Hz 220-240V	=
Voltage (V)	60Hz 208-230V	=
Starting current	0.55	=
<b>Dimensions</b>		
Height (mm)	600.0	=
Width (mm)	700.0	=
Depth (mm)	220.0	=
Piping diameter Gas (mm)	12.7	=
Piping diameter Liquid (mm)	6.4	=
Drain pipe	16.0	=
Duct diameters(mm)	-	=
<b>Mechanical - Flow</b>		
Static pressure	-	=
Sound pressure dB(A) -High	47	=
Sound pressure dB(A)- Mid	40	=
Sound pressure dB(A)- Low	34	=
Airflow m3/h- High	726	=
Airflow m3/h- Mid	528	=
Airflow m3/h- Low	426	=
Power Consumption W -High	62	=
Power Consumption W- Mid	23	=
Power Consumption W- Low	17	=
<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: MML-UP0181NHP-E

Search parameters

Parameter	Value	Formula
Capacity	-	=
Rated efficiency	-	=
<b>Visibility</b>		
SERVICE AREA (default)	<input type="checkbox"/>	=
Top Clearance (default)	300.0	=
Right Side Clearance (default)	300.0	=
Left Side Clearance	300.0	=
<b>Other</b>		
Refrigerant information	R410A	=
Weight (Kg)	17	=
<b>Identity Data</b>		
Article Description	Bi flow console	=
Article Type	MML-UP0181NHP-E	=
Base Family Version		=
CB-NL Class		=
Content Supplier URL	www.hcltech.com	=
Copyright		=
Custom	<input checked="" type="checkbox"/>	=
EMCS		=
ETIM Article Class	ECO01213	= "ECO01213"
Family Version		=
GLN		=
GTIN		=
Internal Art. No.		=
MEPcontent Class	HEATPUMP	= "HEATPUMP"
Manufacturer Art. No.		=
Manufacturer URL	https://www.toshiba-carrier.co.jp/global/	=
Product Line	TCTC	= "TCTC"
Revit Version		=
Stabu Code		=
Type Image		=
Keynote		=
Model	MML-UP0181NHP-E	=
Manufacturer	Toshiba	= "Toshiba"
Type Comments		=
URL	https://www.toshiba-carrier.co.jp/global/	=
Description	Bi flow console	=
Assembly Code		=
Cost		=
Watermarked By		=
Wholesaler		=
Wholesaler Art. No.		=



**Thank You**