

# Step 1: Find New HFCF

The screenshot shows the TOPSS Job Explorer software interface. The main window displays a tree view of products under the 'All Products' folder. The tree is expanded to show the 'Fan-Coil Air Conditioners (UNT)' folder. Two blue arrows point to the 'Chilled Water Fan Coil Unit (HFCF)' and 'PEAK Chilled Water Fan Coil (HFCFPEAK)' items, with text labels to their right. The label for the HFCFPEAK item is in red.

Getting Started | New Job | Add New Product | Open Job from LYNX | Open Job from File

- All Products
  - Refrigeration ( RF )
  - Unitary ( UN )
  - Air Handling ( AH )
  - Air Terminal Devices & Heating Products ( TD )
    - Variable Air Volume Units ( VAV )
    - Fan-Coil Air Conditioners ( UNT )
      - Blow Thru High Static Fan Coil ( HCCA )
      - Chilled Water Fan Coil Unit ( HFCF )
      - PEAK Chilled Water Fan Coil ( HFCFPEAK )
      - Low Height Vertical Fan Coil ( LOWBOY )
      - Fan Coil Air Conditioners (UniTrane) ( FANCOIL )
      - Chilled Water Fan Coil ( HFCE )
      - BCXD Blower Coil Air Handler ( BCXD )
      - BCXC Blower Coil Air Handler ( BCXC )
    - Unit Ventilators ( UV )
    - Cabinet Heaters ( CAB )
    - Business Unit Only ( BU )

Old HFCF (phase out soon)

New HFCF !

# Step 2: Fill in Selection Criteria

## Red Box is "Must" Input

tem - [Job Workspace - Job01 : Input View]

Window Help

Display Options Units:SI Template 12 Required Run Find Customize

### HFCFPEAK-1

Refresh (0)

Required			
Distribution	<input type="text"/>		
Design Unit Air Flow Rate	<input type="text"/>	m3/hr	
2 or 4 Pipe Application	<input type="text"/>		
Cooling EDB	<input type="text"/>	C	
Cooling EWB	<input type="text"/>	C	
Cooling EWT	<input type="text"/>	C	
Cooling LWT	<input type="text"/>	C	
Cooling Capacity	<input type="text"/>	kw	
Cooling WFR	<input type="text"/>	L/s	
Motor Type	<input type="text"/>		
Voltage/Hertz/Phase	<input type="text"/>		
External Static Pressure	<input type="text"/>	Pa	

General			
Basis of Selection	<input type="text" value="Cooling"/>		
Unit Type	<input checked="" type="checkbox"/> HFCF		
Size--Nominal CFM	<input type="text"/>		
Elevation	<input type="text" value="0.0"/>	m	
Plenum Filter	<input type="text" value="None"/>		

Cooling			
Cooling WTR	<input type="text"/>	C	
Fluid Type	<input type="text" value="Water"/>		
Fluid Concentration	<input type="text"/>	%	
Connection Side	<input type="text" value="Left Hand Connection"/>		
Drain Pan	<input type="text" value="Cold-roll Steel w/ PE Insulation"/>		
Valve Package	<input type="text" value="None"/>		

Heating			
Heating EAT	<input type="text"/>	C	
Heating EWT	<input type="text"/>	C	
Heating LWT	<input type="text"/>	C	
Heating WFR	<input type="text"/>	L/s	
Heating Capacity	<input type="text"/>	kw	
Electric Heater	<input type="text" value="Without electric heater"/>		

Motor/Electrical			
Motor Speed	<input type="text" value="High"/>		
Run Sound Power Acoustics?	<input type="text" value="Yes"/>		

Tag: HFCFPEAK-1 Run In Job No Run Messages

No Current Template

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# Step 3: Change Option Selections

tem - [Job Workspace - Job01 : Input View]

Window Help

Display Options Units:SI Template 12 Required Run Find Customize

### HFCFPEAK-1

Refresh (0)

**Required**

Distribution	<input type="text"/>		Cooling LWT	<input type="text"/>	C
Design Unit Air Flow Rate	<input type="text"/>	m3/hr	Cooling Capacity	<input type="text"/>	kw
2 or 4 Pipe Application	<input type="text"/>		Cooling WFR	<input type="text"/>	L/s
Cooling EDB	<input type="text"/>	C	Motor Type	<input type="text"/>	
Cooling EWB	<input type="text"/>	C	Voltage/Hertz/Phase	<input type="text"/>	
Cooling EWT	<input type="text"/>	C	External Static Pressure	<input type="text"/>	Pa

**General**

Basis of Selection	<input type="text"/>	X	Elevation	<input type="text"/>	m	X
Unit Type	<input checked="" type="checkbox"/> HFCF	X	Plenum Filter	<input type="text"/>		X
Size--Nominal CFM	<input type="text"/>					

**Cooling**

Cooling WTR	<input type="text"/>	C	Connection Side	<input type="text"/>	X
Fluid Type	<input type="text"/>		Drain Pan	<input type="text"/>	X
Fluid Concentration	<input type="text"/>	%	Valve Package	<input type="text"/>	X

**Heating**

Heating EAT	<input type="text"/>	C	Heating WFR	<input type="text"/>	L/s
Heating EWT	<input type="text"/>	C	Heating Capacity	<input type="text"/>	kw
Heating LWT	<input type="text"/>	C	Electric Heater	<input type="text"/>	X

**Motor/Electrical**

Motor Speed	<input type="text"/>	X	Run Sound Power Acoustics?	<input type="text"/>	X
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Tag: HFCFPEAK-1  Run  In Job  No Run Messages ?

No Current Template

RII N RIIPD NUM

# Step 4: Run The Selection

em - [Job Workspace - Job01 : Input View]

indow Help

Display Options Units:SI Template 0 Required  Run

**Required**

Distribution	APR	X	Cooling LWT	12.0
Design Unit Air Flow Rate	1000.00 m3/hr	X	Cooling Capacity	
2 or 4 Pipe Application	2 Pipe	X	Cooling WFR	
Cooling EDB	27.0 C	X	Motor Type	PSC Motor - ESP 12Pa
Cooling EWB	19.5 C	X	Voltage/Hertz/Phase	220-240/50/1Ph
Cooling EWT	7.0 C	X	External Static Pressure	12.0

**General**

Basis of Selection	Cooling	X	Elevation	0.0
Unit Type	<input checked="" type="checkbox"/> HFCF	X	Plenum Filter	None
Size--Nominal CFM				

**Cooling**

Cooling WTR	C		Connection Side	Left Hand Connection
Fluid Type	Water	X	Drain Pan	Cold-roll Steel w/ PE Insulation
Fluid Concentration	%		Valve Package	None

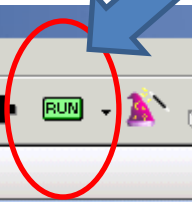
**Heating**

Heating EAT	C		Heating WFR	
Heating EWT	C		Heating Capacity	
Heating LWT	C		Electric Heater	Without electric heater

**Motor /Electrical**

Motor Speed	High	X	Run Sound Power Acoustics?	Yes
Control	No Control	X	Run Sound Pressure Acoustics?	Yes

**Additional Criteria Information**



# Step 5: Check Unit Performance & Select Right Unit

Trane Official Product Selection System - [Job Workspace - Job01 : Output View]

File Edit Product View Format Window Help

Job01

Products In Use

- Products In Use
  - PEAK Chilled Water Fan Coil
    - HFCFPEAK-1
      - (00) HFCFPEAK-1
      - (00) HFCFPEAK-1
      - (00) HFCFPEAK-1
      - (00) HFCFPEAK-1
      - (00) HFCFPEAK-1
      - (00) HFCFPEAK-1
      - (00) HFCFPEAK-1
      - (00) HFCFPEAK-1
      - (00) HFCFPEAK-1
      - (00) HFCFPEAK-1
      - HFCFPEAK-2

HFCFPEAK-1

General

Basis of Selection:	Cooling	Actual Unit Air Flow Rate:	701.51 m3/hr
Distribution:	APR	Design Unit Air Flow Rate:	1000.00 m3/hr
Unit Type:	HFCF	Plenum Filter:	None
Size--Nominal CFM:	400 CFM		

Cooling

Coil Rows:	2 rows	Cooling EWT:	7.0 C
Connection Side:	Left Hand Connection	Cooling LWT:	12.0 C
Cooling Capacity:	3.60 kW	Cooling WPD:	23.8 kPa
Sensible Capacity:	2.68 kW	Coil Face Velocity:	1.3 m/s
Cooling EDB:	27.0 C	Fluid Type:	Water
Cooling EWB:	19.5 C	Fluid Freeze Point:	0.0 C
Cooling LDB:	15.1 C	Drain Pan:	Cold-roll Steel w/ PE Insulation
Cooling LWB:	14.0 C	Valve Package:	None
Cooling WFR:	0.17 L/s		

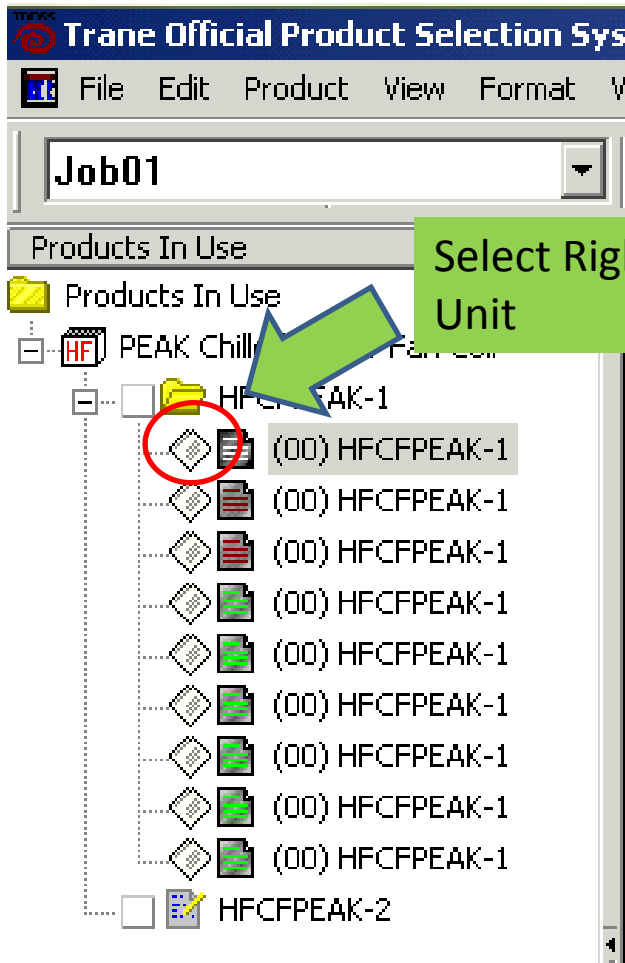
Without electric heater

Physical

Elevation:	0.0 m	Motor RPM:	709 rpm
External Static Pressure:	12.0 Pa	Motor Power Input:	45.6 W
Voltage/Hertz/Phase:	220-240/50/1Ph	Fan Motor Amps:	0.21 A
Motor Type:	PSC Motor - ESP 12Pa	Control:	No Control

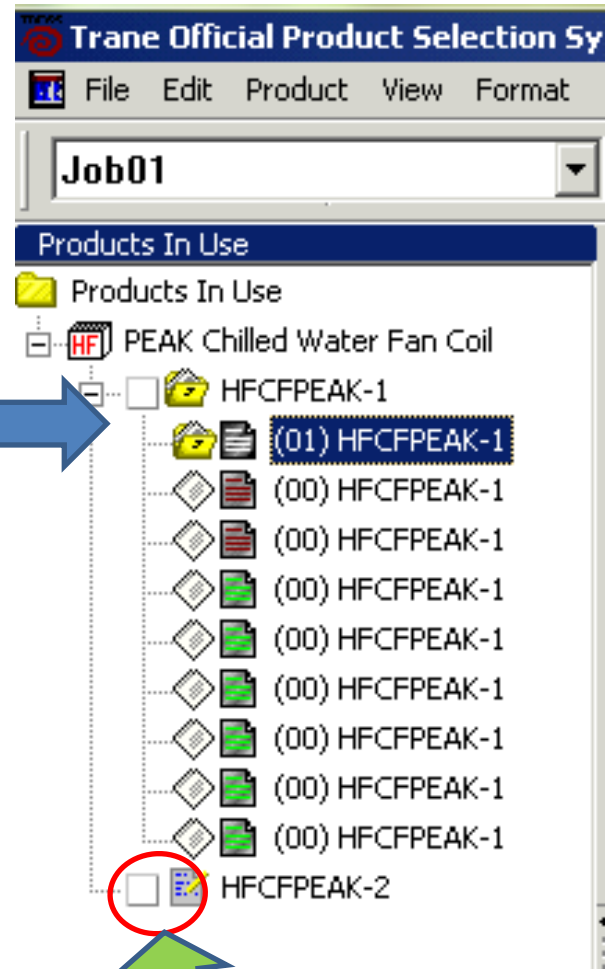
Units are Listed by Pricing, low to High

# Step 6: Check Selection Result



Select Right Unit

Selected



Click to Select another unit

# Step 7: Generate Reports

Trane Official Product Selection System - [Job Workspace - Job01 : Output View]

File Edit Product View Format Window Help

Job01

Products In Use

- PEAK Chilled Water Fan Coil
  - HFCFPEAK-1
    - (01) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - HFCFPEAK-2

Display Options Units:SI Template In Job Compare

HFCFPEAK-1

Find Customize

**General**

Basis of Selection:	<b>Cooling</b>	Actual Unit Air Flow Rate:	<b>701.51 m3/hr</b>
Distribution:	<b>APR</b>	Design Unit Air Flow Rate:	<b>1000.00 m3/hr</b>
Unit Type:	<b>HFCF</b>	Plenum Filter:	<b>None</b>
Size--Nominal CFM:	<b>400 CFM</b>		

**Cooling**

Coil Rows:	<b>2 rows</b>	Cooling EWT:	<b>7.0 C</b>
Connection Side:	<b>Left Hand Connection</b>	Cooling LWT:	<b>12.0 C</b>
Cooling Capacity:	<b>3.60 kW</b>	Cooling WPD:	<b>23.8 kPa</b>
Sensible Capacity:	<b>2.68 kW</b>	Coil Face Velocity:	<b>1.3 m/s</b>
Cooling EDB:	<b>27.0 C</b>	Fluid Type:	<b>Water</b>
Cooling EWB:	<b>19.5 C</b>	Fluid Freeze Point:	<b>0.0 C</b>
Cooling LDB:	<b>15.1 C</b>	Drain Pan:	<b>Cold-roll Steel w/ PE Insulation</b>
Cooling LWB:	<b>14.0 C</b>	Valve Package:	<b>None</b>
Cooling WFR:	<b>0.17 L/s</b>		

**Heating**

Electric Heater : **Without electric heater**

**Motor/Electrical**

Elevation:	<b>0.0 m</b>	Motor RPM:	<b>709 rpm</b>
External Static Pressure:	<b>12.0 Pa</b>	Motor Power Input:	<b>45.6 W</b>
Voltage/Hertz/Phase:	<b>220-240/50/1Ph</b>	Fan Motor Amps:	<b>0.21 A</b>
for Type:	<b>PSC Motor - ESP 12Pa</b>	Control:	<b>No Control</b>

Tag: HFCFPEAK-1 Run In Job Result 1 of 9 Quantity: 1 Tag: 0 HFCFPEAK-1

For Help, press F1 | No Current Template | BU\_N\_BUP | NUM

# Step 7-1: Generate Reports

Trane Official Product Selection System - [Job Workspace - Job01 : Output View]

File Edit Product View Format Window Help

Job01

Products In Use

- PEAK Chilled Water Fan Coil
  - HFCFPEAK-1
    - (01) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - (00) HFCFPEAK-1
    - HFCFPEAK-2

Display Options Units:SI Template In Job Compare

HFCFPEAK-1

**General**

Basis of Selection:	<b>Cooling</b>	Actual Unit Air Flow Rate:	<b>701.51 m3/hr</b>
Distribution:	<b>APR</b>	Design Unit Air Flow Rate:	<b>1000.00 m3/hr</b>
Unit Type:	<b>HFCF</b>	Plenum Filter:	<b>None</b>
Size--Nominal CFM:	<b>400 CFM</b>		

**Cooling**

Coil Rows:	<b>2 rows</b>	Cooling EWT:	<b>7.0 C</b>
Connection Side:	<b>Left Hand Connection</b>	Cooling LWT:	<b>12.0 C</b>
Cooling Capacity:	<b>3.60 kW</b>	Cooling WPD:	<b>23.8 kPa</b>
Sensible Capacity:	<b>2.68 kW</b>	Coil Face Velocity:	<b>1.3 m/s</b>
Cooling EDB:	<b>27.0 C</b>	Fluid Type:	<b>Water</b>
Cooling EWB:	<b>19.5 C</b>	Fluid Freeze Point:	<b>0.0 C</b>
Cooling LDB:	<b>15.1 C</b>	Drain Pan:	<b>Cold-roll Steel w/ PE Insulation</b>
Cooling LWB:	<b>14.0 C</b>	Valve Package:	<b>None</b>
Cooling WFR:	<b>0.17 L/s</b>		

**Heating**

Electric Heater : **Without electric heater**

**Motor/Electrical**

Elevation:	<b>0.0 m</b>	Motor RPM:	<b>709 rpm</b>
External Static Pressure:	<b>12.0 Pa</b>	Motor Power Input:	<b>45.6 W</b>
Voltage/Hertz/Phase:	<b>220-240/50/1Ph</b>	Fan Motor Amps:	<b>0.21 A</b>
for Type:	<b>PSC Motor - ESP 12Pa</b>	Control:	<b>No Control</b>

Tag: HFCFPEAK-1 Run In Job Result 1 of 9 Quantity: 1 Tag: 0 HFCFPEAK-1

For Help, press F1 | No Current Template | BU\_N\_BUP | NUM



# Step 7-2: Generate Reports


TOPSS Report Generator

Print Preview Export Mail

Report 1 of 3 Page 1 of 1 Auto Refresh Zoom: Page Width Jump to page: Jump To Page Full Screen

## PEAK Chilled Water Fan Coil

**Job Information**

	Job01
Taa	HFCFPEAK-1
Quantity	1
Model number	HFCF04

**Unit Information**

Plenum Filter	None
Shipping Carton Length	955 mm

**Reports**

- All results in Job Folder
- All results for current product
- Selected results
- Only results marked In Job

PEAK Chilled Water Fan Coil	
<input checked="" type="checkbox"/>	Product Report
<input type="checkbox"/>	Dimension Drawings
<input checked="" type="checkbox"/>	Schedule Report
<input checked="" type="checkbox"/>	Output View

Options: Product Report for PEAK Chilled Water Fan Coil

Report name: HFCFPEAK Edit / Create...

Display 6 digits of the model number.  Hide empty fields

Print Cancel Help

Start Trane Official Product Se... Trane Official Product... TOPSS NEXT UPDATE CU...

# Step 8: Generate Reports


TOPSS Report Generator

Print Preview Export Mail

Report 1 of 3 Page 1 of 1 Auto Refresh Zoom: Page Width Jump to page: Jump To Page Full Screen

## PEAK Chilled Water Fan Coil

**Job Information**

	Job01
Taa	HFCFPEAK-1
Quantity	1
Model number	HFCF04

**Unit Information**

Plenum Filter	None
Shipping Carton Length	955 mm

**Reports**

- All results in Job Folder
- All results for current product
- Selected results
- Only results marked In Job

Options: Product Report for PEAK Chilled Water Fan Coil

PEAK Chilled Water Fan Coil	
<input checked="" type="checkbox"/>	Product Report
<input type="checkbox"/>	Dimension Drawings
<input checked="" type="checkbox"/>	Schedule Report
<input checked="" type="checkbox"/>	Output View

Report name: HFCFPEAK Edit / Create...

Display 6 digits of the model number.  Hide empty fields

Print Cancel Help

Start Trane Official Product Se... Trane Official Product... TOPSS NEXT UPDATE CU...