

**CF-1R-ALT-HVAC**

<b>ID</b>	<b>Question</b>	<b>Web Display</b>	<b>Value</b>
Q1_A	Package Unit	Not Checked Checked	0 1
Q1_A_Type	What kind of Package Unit?	Gas Heat Pump w/ Electric Back Up Heat Pump w/ Gas Back Up	Gas Heat Pump Heat Pump With Gas BU
Q1_B	A/C Condenser (Split System)	Not Checked Checked	0 1
Q1_B_HEATPUMP	Is it a Heat Pump?	No Yes w/ Electric Back Up Yes w/ GAS Back Up	0 1 2
Q1_G	A/C Coil (Split System)	Not Checked Checked	0 1
Q1_C	Air Handler (Split System)	Not Checked Checked	0 1
Q1_C_Gas	Is it a Gas Furnace?	No Yes	0 1
Q1_D	Furnace Heat Exchanger	Not Checked Checked	0 1
Q1_D_Type	If Yes to Q1_D, what type?	Split System Package	Split Package
Q1_E	More than 40' of Ducts	Not Checked Checked	0 1
Q1_F	Up to 40' of Ducts	Not Checked Checked	0 1
Q2_A	Will more than 50% of Ducts be new?	No Yes	0 1
Q2_B	Will all Ducts be accessible?	No Yes	0 1
Q3_A	Existing Ducts or Plenums are insulated or sealed with asbestos	No Yes	0 1
Q3_B	The system will not be Ducted	No Yes	0 1
Q3_C	There will be less than 40 linear feet of Ducts in unconditioned space	No Yes	0 1
Q3_D	Previously Tested	No Yes	0 1

**CF-1R-ALT-HVAC**

<b>ID</b>	<b>Question</b>	<b>Web Display</b>	<b>Value</b>
Q3_D_cert	CF-4R Certificate		
Q3_E	The system will be Heating Only (No A/C)	No	0
		Yes	1
Q3_F	CID Installed	No	0
Q4_A	Thermostate Required	Not Checked	0
		Checked	1
Q4_AFUE	Minimum Values		if required, >= .78
Q4_HSPF	Minimum Values		if required, >= 7.7
Q4_SEER	Minimum Values		if required, >= 13.0

CF-6R-MECH-25

OPENING QUESTIONS:

Select method used to determine minimum airflow (ID: 353):

- 1) Temperature Split
- 2) Flow Hood
- 3) Flow Grid
- 4) Plenum Pressure

What was the method used for determining saturation temperature (ID: 355)?

- 1) STMS
- 2) Refrigerant Gauge

Is a TXV Installed (ID: 357)?

- 0) No
- 1) Yes

FORM RULES:

IF [355] = "STMS" THE BOTH STMS Sections are required

IF [353] = 1 THEN

(201, 202, 203) REQUIRED

(209, 210, 211, 212, 213) REQUIRED

ELSEIF [353] <> 1 THEN

(214, 215, 216, 217) REQUIRED

IF [357] = 0 THEN

(203, 208) REQUIRED

IF [208] < "55" THEN ERROR (this is not allowed)

IF "55" <= [208] <= "65" AND [202] < "70" THEN ERROR (this is not allowed)  
SUPERHEAT section required

IF [357] = 1 THEN

(205, 207) REQUIRED

SUBCOOLING section required

Metering Device Calculations for RC Verification required

Always Required:

TMAH Section

Space Conditioning Systems

Calibration of Diagnostic Instruments

Measured Temps (200, 204, 206)

Standard Charge Summary

CF-4R-MECH-25

OPENING QUESTIONS:

Select method used to determine minimum airflow (ID: 919):

- 1) Temperature Split
- 2) Flow Hood
- 3) Flow Grid
- 4) Plenum Pressure

What was the method used for determining saturation temperature (ID: 921)?

- 1) STMS
- 2) Refrigerant Gauge

Is a TXV Installed (ID: 923)?

- 0) No
- 1) Yes

FORM RULES:

IF [921] = "STMS" THE BOTH STMS Sections are required (831, 832, 833, 934, 922, 835, 836, 837, 838, 839)

IF [919] = 1 THEN  
(786, 787, 788) REQUIRED  
(794, 795, 796, 797, 798) REQUIRED

ELSEIF [919] <> 1 THEN  
(799, 800, 801, 802) REQUIRED

IF [923] = 0 THEN  
(788, 793) REQUIRED  
IF [793] < "55" THEN ERROR (this is not allowed)  
IF "55" <= [793] <= "65" AND [787] < "70" THEN ERROR (this is not allowed)  
SUPERHEAT section required

IF [923] = 1 THEN  
(790, 792) REQUIRED  
SUBCOOLING section required  
Metering Device Calculations for RC Verification required

Always Required:

TMAH Section

Space Conditioning Systems

Calibration of Diagnostic Instruments

Measured Temps (785, 789, 791)

Standard Charge Summary