

TECHNICAL GUIDE

UPFLOW ADD - ON COILS FOR USE WITH SPLIT-SYSTEM COOLING & HEAT PUMPS MODELS: G2FD090 2400 - 3200 CFM 7.5 TON COIL



Due to continuous product improvement, specifications are subject to change without notice.

Visit us on the web at www.york.com

Additional rating information can be found at www.ari.org/ari-directory.

DESCRIPTION

This cooling and heat pump coil is designed to be installed with UPG furnaces and to be matched with UPG cooling and heat pump outdoor units. All coils are available as sweat-connect models for your convenience and ease of matching.

Upflow Coils - Available in high-capacity model to match any system and upflow furnace. This model is available with factory installed TXV.

FEATURES

Insulated Cabinet - All evaporator coil cabinets are thermally insulated to prevent sweating.

Internally Clean - All evaporator coils are factory leak-tested, dehydrated, sealed and shipped with a holding charge.

Durable Finish - Coil casings are made of pre-painted steel. The pre-treated flat galvanized steel provides a better paint to steel bond, which resists corrosion and rust creep.

Optimum Heat Transfer - Using the latest in heat transfer technology, staggered rows of rifled copper tubes are mechanically expanded into aluminum fins to provide optimum air to surface contact for ample moisture removal as well as high performance ratings.

Factory Installed Thermal Expansion Valve - Provides flexibility to match high efficiency applications at a lower installed cost.

STATIC PRESSURE VS. AIRFLOW (Based on Wet Coil)

Model	Airflow	Wet Coil
G2FD090S35	2400	0.20
	2800	0.23
	3200	0.28

APPLICATION LIMITATIONS

This unit must be installed in accordance with all national and local safety codes.

Air flow must be within the minimum and maximum limits approved for electric heat, evaporator coils and outdoor units.

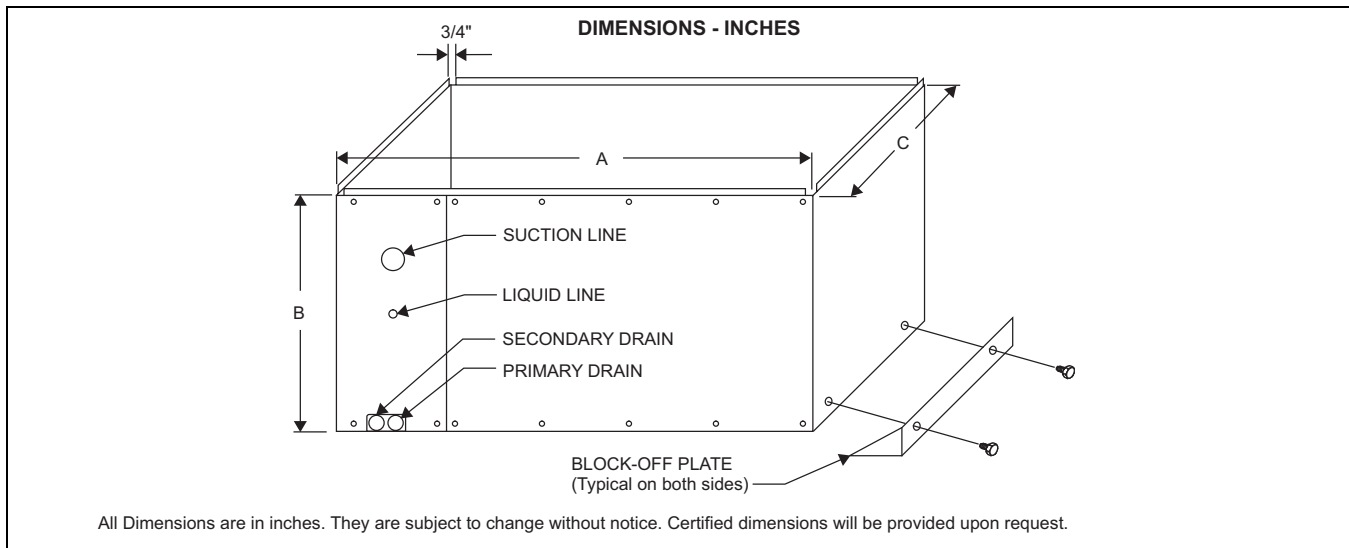
Entering Air Temperature Limits			
Wet Bulb Temp. °F		Dry Bulb Temp. °F	
Min.	Max.	Min.	Max.
57	72	65	95
Coil Air Flow Limits			
Coil Model	Outdoor Unit Tons	CFM Limits	
		Minimum	Maximum
G2FD090S35	6-1/3	2300	2700
	7-1/2	2800	3200

COOLING CAPACITY - Coil Only*

Model	Rated CFM	Entering Air °F (Wet Bulb)	MBH @ Evaporator Temperature and Corresponding Pressure °F / PSIG			
			35 / 61.5	40 / 68.5	45 / 76.0	50 / 84.0
UPFLOW "A" TYPE						
G2FD090S35	2400	72	99.4	88.0	76.7	62.5
		67	81.5	69.7	57.0	44.3
		62	64.8	53.2	41.5	28.2
		57	50.0	44.7	38.2	28.2
G2FD090S35	2800	72	114.2	100.3	86.7	70.2
		67	94.1	80.1	65.2	50.1
		62	74.7	61.0	47.0	31.9
		57	57.2	51.2	43.8	31.9
G2FD090S35	3200	72	128.9	112.7	96.7	77.9
		67	106.6	90.5	73.5	56.0
		62	84.6	68.7	52.5	35.6
		57	64.4	57.8	49.5	35.6

* - See Condensing Unit or Heat Pump Technical Guide for Total Cooling Capacity and Sensible Capacity.

G2FD UPFLOW "A" COIL



Model	Dimensions — Inches			Refrigerant Connections	
	A	B	C	Line Size	
				Liquid	Vapor
G2FD090S35	32-1/2	24-1/2	21-1/2	3/8	7/8

NOTE: G2FD must only be used in an upflow application.

PHYSICAL DATA

Model	Application	Refrig. Conn. Types	Face Area (Sq. Ft.)	Rows Deep	Fin Per In.	Coil Size	Tube Geometry	Tube Dia.	Fin Type	Expansion Device	Operating Weight (Lbs.)
UPFLOW "A" TYPE											
G2FD090S35	Cooling / Heat Pump	Sweat	9.33	3	12	(2) 14 x 28.1	1 x 0.866	3/8	Enhanced	TXV	103

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