TECHNICAL SUPPORT MANUAL Fan Coils FSU4X

Safety Labeling and Signal Words

DANGER, WARNING, CAUTION, and NOTE

The signal words **DANGER**, **WARNING**, **CAUTION**, and **NOTE** are used to identify levels of hazard seriousness. The signal word **DANGER** is only used on product labels to signify an immediate hazard. The signal words **WARNING**, **CAUTION**, and **NOTE** will be used on product labels and throughout this manual and other manuals that may apply to the product.

DANGER – Immediate hazards which will result in severe personal injury or death.

WARNING – Hazards or unsafe practices which **could** result in severe personal injury or death.

CAUTION – Hazards or unsafe practices which **may** result in minor personal injury or product or property damage.

NOTE – Used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

Signal Words in Manuals

The signal word **WARNING** is used throughout this manual in the following manner:

WARNING

The signal word **CAUTION** is used throughout this manual in the following manner:

A CAUTION

Signal Words on Product Labeling

Signal words are used in combination with colors and/or pictures on product labels.

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MODELS

FSU4X6000A

FSU4X6000AT

WARNING

ELECTRICAL SHOCK HAZARD

Failure to turn off electric power could result in personal injury or death.

Before installing or servicing system, turn off main power to the system. There may be more than one disconnect switch, including accessory heater(s).

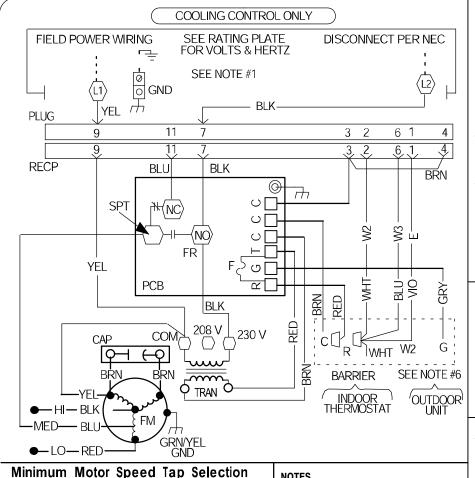
FAN COIL MODE	L NUM	BER ID	ENTIF	CATIO	N GUID	E		
	F	S	U	4	X	6000	Α	Т
F = Fan Coil								
E = High efficiency ECM								
S = Standard PSC	MOTO	R TYPE						
U = Upflow			•					
M = Multiposition	INSTA	LLATIO	N TYPE					
4 = Environmentally Sound R-410A			REFRIG	ERANT				
X = TXV			MET	ERING I	DEVICE			
6000 = 60,000 BTUH = 5 tons				NOMI	NAL CA	PACITY		
A = Standard							·	
AT = Tin Coated Copper Tube Coils					SAL	ES COD	E / FEAT	URES

Fan Coils: FSU4X

ACCESSORIES PART NUMB	ED IDEN	TIEICATIO	JN CHIDE		
ACCESSONIES PART INUINID					
	EB	AC	01	NCB	Α
EB = Evaporator Blower					
AC = Accessory					
01 = Product Identifier Number					
NCB = Non-Combustible Base Kit					
DFK = Down Flow Kit					
PLG = Power Plug (no heat kit)					
SPK = Single Point Wiring Kit					
FKS = Filter Kit Small					
FKM = Filter Kit Medium					
FKL = Filter Kit Large					
FKX = Filter Kit Extra Large					
CTK = Condensate Trap Kit (PVC pipe)					
Sales Code	•		•		

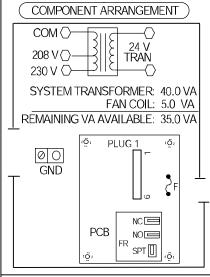
ELECTRIC HEATER MODEL NUMBER IDEN	ITIFICAT	ION GUII	DF	
EHK 05	A	K	N	1
EHK = Electric Heater Kit				-
05 = 5 kW				
07 = 7 kW				
09 = 9 kW				
10 = 10 kW				
15 = 15 kW				
18 = 18 kW				
20 = 20 kW				
25 = 25 kW				
30 = 30 kW NOMINAL HEAT VALUE	_			
Sales Code		J		
K = 208 / 230 single-phase				
H = 208 / 230, 3-phase				
KC = 208 / 230, supplied as single phase, field convertible to 3-phase				
HC = 208 / 230 supplied as 3-phase, field convertible to single phase	VOLTAG	E (60 Hz)		
Product Identifier				
Engineering Code	<u> </u>	·		

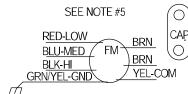
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NOTES

- 1. Use Copper Wire (75°C Min) Only Between Disconnect Switch And Unit.
- 2. To Be Wired In Accordance With NEC And Local Codes.
- If Any Of The Original Wire, As Supplied, Must Be Replaced, Use The Same Or Equivalent Type Wire.
- 4. Replace Low Voltage Fuse With No Greater Than 5 Amp Fuse.
- 5. (3) Speed Motor Shown Optional (2) Speed Motor Uses HI (BLK) And LOW
- 6. Connect R To R, G To G, Etc. See Outdoor Instruction For Details.





FAN MOTOR THERMALLY PROTECTED

LEGEND	<u></u>
CAP	CAPACITOR
COM	COMMON
F	LOW VOLTAGE FUSE
FR	PCB FAN RELAY
FM	FAN MOTOR
GND	EQUIPMENT GROUND
PCB	PRINTED CIRCUIT BOARD
RECP	RECEPTACLE
SPT	FAN SPEED TAP LOCATION
TRAN	TRANSFORMER
\cap	UNMARKED TERMINAL
\circ	
	FIELD POWER WIRING
	MARKED TERMINAL

 $\rightarrow \rangle$ PLUG AND RECEPTACLE 328964-101 REV. A

and LO speed on 2 speed motors.

For Electric Heater

10

Н

MED**‡**

LO

LO

MED

- MED speed on 3 speed motors and HI speed on 2 speed motors. ‡ - MED speed on 3 speed motors

MODE SIZE

18

24

30

36, 42,

48,60 70

3,5,8

MED

MED**‡**

9

LO

MED

HEATER SIZE KW

15

MED‡

LO

LO

ME D

18

LO

MED

20

MED

LO

MED

24, 30

LO

MED

496 04 5201 00 3

AIRFLOW PERFORMANCE – CFM at a given Speed and Static reading											
Model	Player Chand	Measured Static Pressure, inlet to outlet (inches water column)									
Model	Blower Speed	0.10	0.20	0.30	0.40	0.50	0.60				
FSU4X6000	High	2128	2050	1965	1875	1778	1674				
	Medium	1959	1898	1829	1750	1663	1566				
	Low	1748	1709	1659	1598	1525	1442				

Fan Coils: FSU4X

NOTES:

- 1. Airflow based on dry coil at 230V with factory approved filter and electric heater (2 element heater for model sizes 1800 3600, 3 element heater for model sizes 4200 6000)
- 2. Not recommended for use above 0.60 inches water column external static pressure.
- 3. Shaded cells indicate airflow is greater than 450 CFM per ton.

STATIC PRESSURE CORRECTION FROM DRY TO WET COIL (inches of water column)

Airflow performance chart above was developed using fan coils with DRY coils.

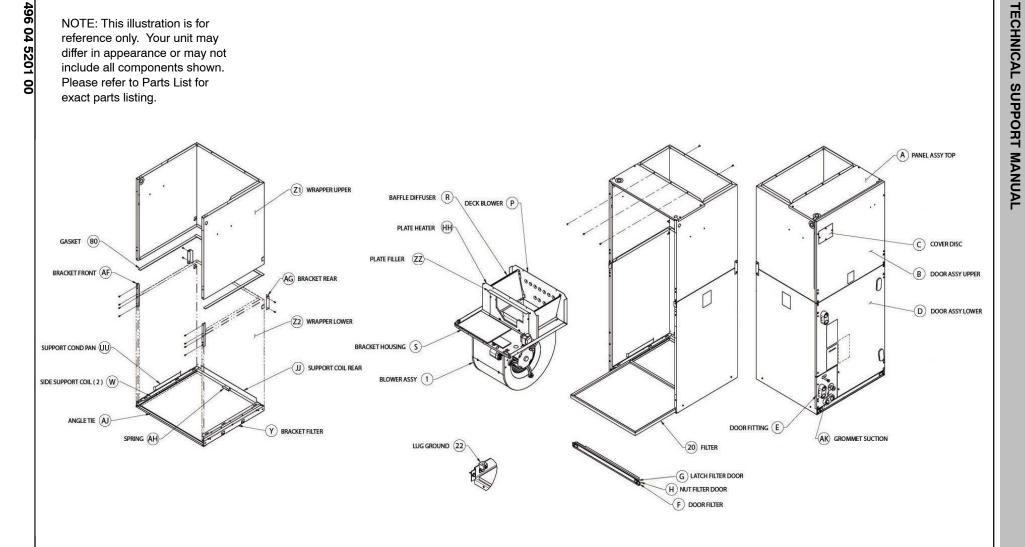
When taking a static reading across a WET coil, adjust the static pressure numbers above by **adding** the values in this table (for a given CFM, wet coil will have greater static pressure drop than dry coil).

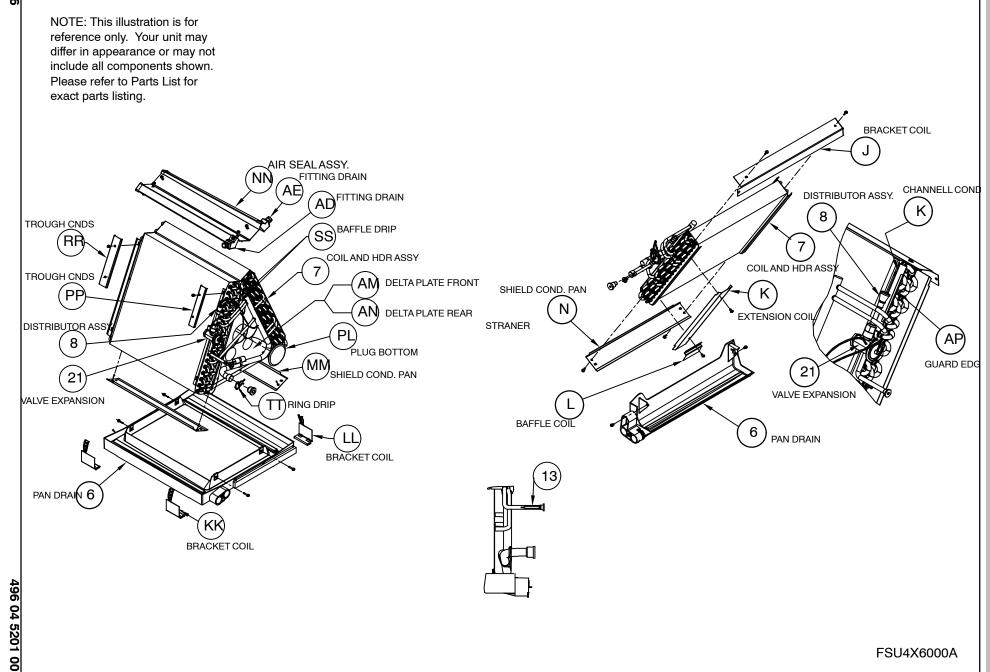
Madal Ciza		CFM														
Model Size	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
6000 (all)	_	_	_	_	_	_	_	_	_	_	_	.027	.031	.035	.039	.043

STATIC PRESSURE DROP ACROSS FILTER (inches of water column)											
Madal Cina	CFM										
Model Size	400	600	800	1000	1200	1400	1600	1800	2000		
6000	-	_	_	-	_	_	.120	.152	.187		

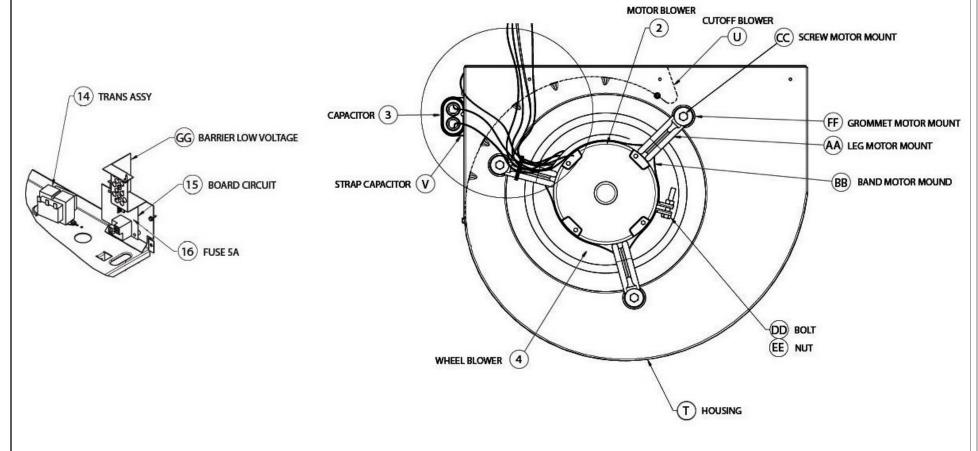
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NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown. Please refer to Parts List for exact parts listing.



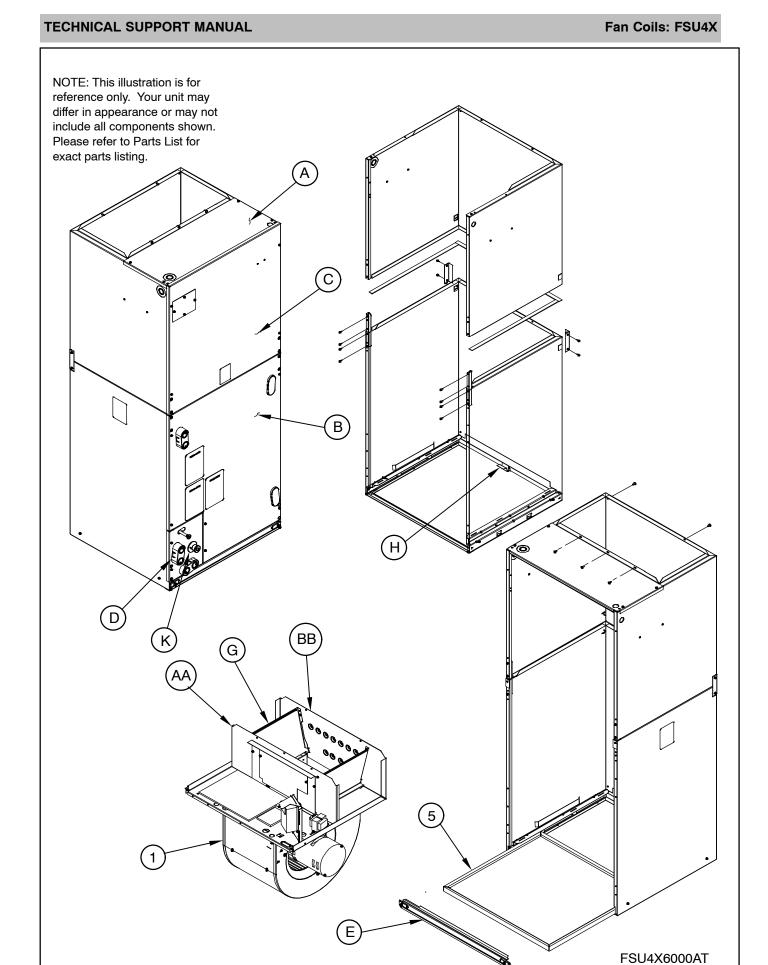


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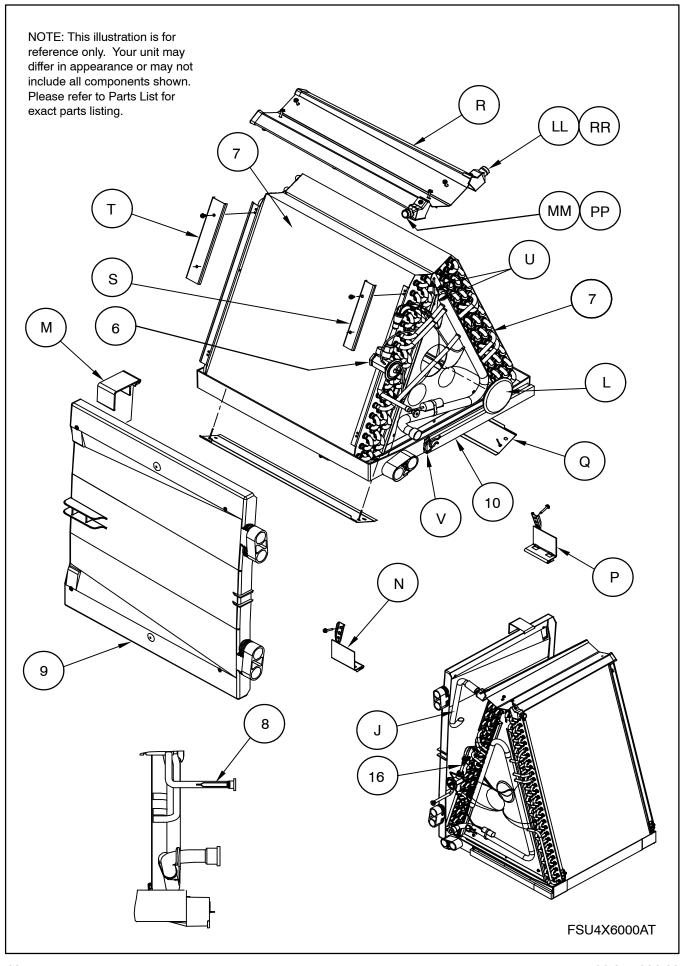


Fan Coils: FSU4X

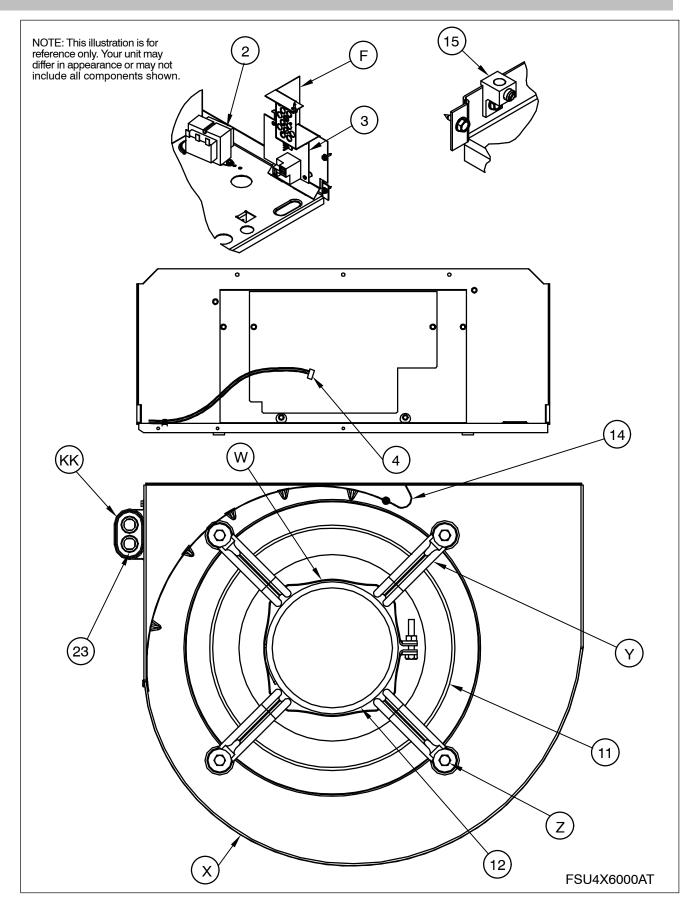
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496 04 5201 00 9



10 496 04 5201 00



496 04 5201 00 11

PAINT DARK GREY 160Z AEROSOL

Fan Coils: FSU4X

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