

XRUF SERIES

*50 HZ MULTI-POSITION,
MULTI-SPEED AIR HANDLER
WITH PSC MOTOR
2 TO 5 TONS*



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Product Features

- Check flowrator for cooling and heat pump applications
- Direct drive, multi-speed PSC blower motor
- All-aluminum evaporator coil
- Coil mounting track for quick repositioning
- Cabinet air leakage less than 2.0% at 1.0 inch H₂O when tested in accordance with ASHRAE standard 193
- Cabinet air leakage less than 1.4% at 0.5 inch H₂O when tested in accordance with ASHRAE standard 193
- This product is ETL certified by Intertek and conforms with IEC 60335-2-40:2013 & IEC 60335-1:2010.
- Rigid SmartFrame™ cabinet with painted front panel
- Galvanized, leather grain-embossed finish
- Horizontal or vertical configuration capabilities
- 21" depth for easier attic access
- DecaBDE-free thermoplastic drain pan with secondary drain connections
- Screw-less sides and back helps to reduce condensation when installed in humid locations
- Foil-faced insulation covers the internal casing to reduce cabinet condensation
- Glue-less cabinet insulation retention
- Tool-less filter access



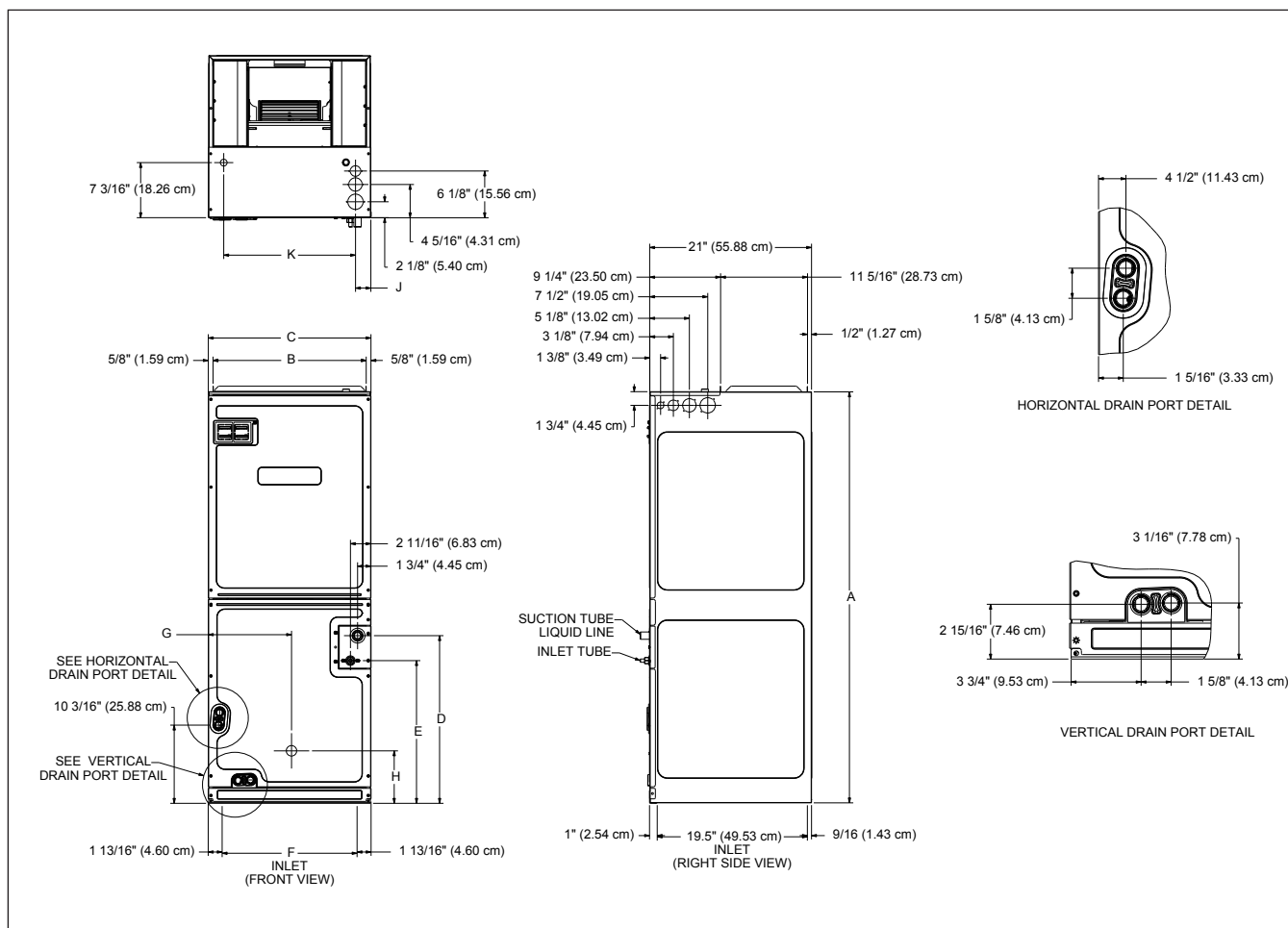
Intertek



	X	R	U	F	25	B	2	4	AA	
	1	2	3	4	5,6	7	8	10	11,12	
Product									Engineering *	
X Export Air Handler									Major/ Minor Revisions	
									* Not used for inventory management	
Unit Application									Refrigerant Charge	
R Multi-Position PSC Motor									4 = R-410A/R-22	
									Electrical	
									2 220/240 V, 1 Phase, 50 Hz	
Cabinet Finish									Cabinet Width	
U Unpainted									B 17½" D 24½"	
									C 21"	
Expansion Device									Nominal Capacity Range @ 13 SEER	
F Flowrater T Expansion Valve									25 2 Tons 49 4 Tons	
									37 3 Tons 61 5 Tons	

	XRUF 25B24*	XRUF 37C24*	XRUF 49D24*	XRUF 61D24*
NOMINAL RATINGS				
Cooling (Btu/h)	24,000	36,000	48,000	60,000
Piston Size	0.055	0.072	0.080	0.084
BLOWER				
Diameter	9½"	10⅝"	10⅝"	11⅛"
Width	6"	8"	10⅝"	10⅝"
Coil Drain Connect FPT	¾"	¾"	¾"	¾"
REFRIGERANT LINE CONNECTION SIZE				
Liquid	⅜"	⅜"	⅜"	⅜"
Suction	¾"	⅞"	⅞"	⅞"
ELECTRICAL DATA				
Voltage	220/240	220/240	220/240	220/240
Min Circuit Ampacity	1.1/1.1	1.8/1.8	4.3/4.3	4.3/4.3
Max. Overcurrent Device (amps)	15/15	15/15	15/15	15/15
Min. / Max VAC	198/264	198/264	198/264	198/264
Blower Motor FLA/ HP	0.85/ 1/8	1.4/ 1/4	3.4/ ¾	3.4/ ¾
SHIP WEIGHT (LBS)	100	130	145	155

Note: For a properly matched system and piston sizing information, refer to the piston kit chart of the corresponding outdoor unit. Minimum Circuit Ampacity (MCA) and Maximum Overcurrent Protection (MOP) for blower without supplemental heat installed. Refer to unit nameplate and/or Heat Kit Data for specification with approved accessory heaters installed.

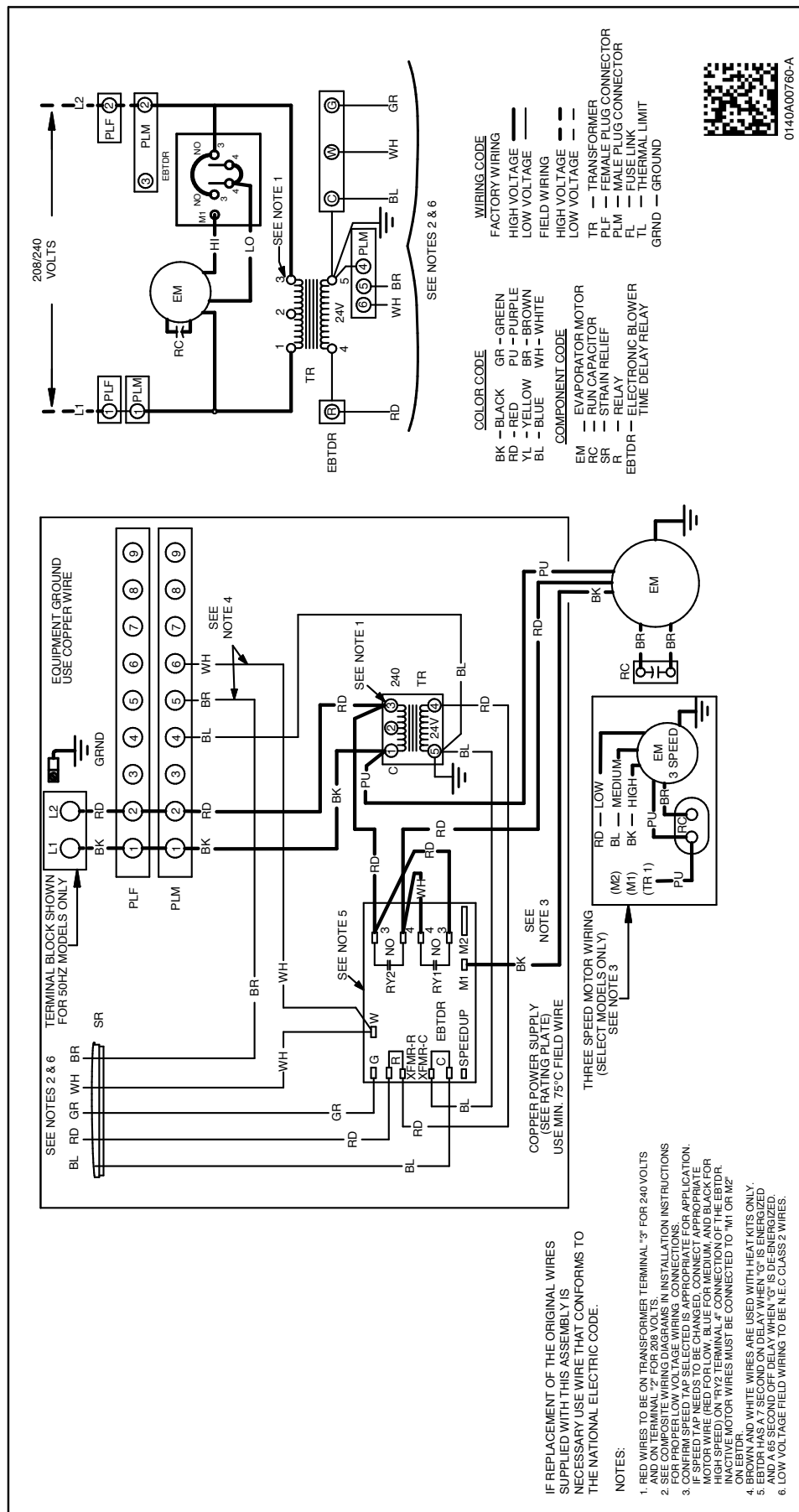


MODEL	A"	B"	C"	D"	E"	F"	G"	H"
XRUF25B24*	45	16 ³ / ₈	17 ¹ / ₂	15 ¹ / ₄	12	14 ⁷ / ₈	9 ⁷ / ₈	11 ⁷ / ₈
XRUF37C24*	53 ⁷ / ₁₆	19 ⁷ / ₈	21	21 ¹³ / ₁₆	18 ⁵ / ₈	17 ¹¹ / ₁₆	10 ¹³ / ₁₆	6 ¹³ / ₁₆
XRUF49D24*	53 ⁷ / ₁₆	23 ⁵ / ₁₆	24 ¹ / ₂	21 ¹ / ₂	18 ⁵ / ₁₆	21 ³ / ₁₆	12 ⁵ / ₈	6 ⁷ / ₈
XRUF61D24*	58	23 ⁵ / ₁₆	24 ¹ / ₂	26 ⁷ / ₈	22 ⁷ / ₈	21 ³ / ₁₆	12 ⁵ / ₈	25 ² / ₁₆

MODEL	MOTOR SPEED	STATIC PRESSURE (IN W.C) AIRFLOW (CFM)						
		0.1	0.2	0.3	0.4	0.5	0.6	0.7
XRUF25B24	Low	664	631	594	521	379	153	---
	High	877	816	761	679	545	271	---
XRUF37C24	Low	929	902	866	817	757	619	593
	High	1220	1178	1116	1037	942	797	575
XRUF49D24	Low	1761	1731	1681	1611	1532	1439	1326
	High	2058	1996	1938	1862	1752	1637	1496
XRUF61D24	Low	1814	1760	1711	1645	1569	1468	1339
	High	2152	2066	1983	1876	1767	1643	1554

NOTES

- Airflow data indicated is at 230V without air filter in place.
- The chart is for information only. For satisfactory operation, external static pressure must not exceed value shown on rating plate. The shaded area indicates ranges in excess of maximum design external static pressure.
- Use the CFM adjustment factors of 0.98 for horizontal left and 0.96 for horizontal right & downflow orientations



Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

EXPANSION VALVE KITS FOR AIR CONDITIONING AND HEAT PUMP APPLICATIONS

KIT NUMBER	DESCRIPTION	APPLICATION	REFRIGERANT	TONNAGE: OUTDOOR UNIT
TX2N4A	Non-bleed Valve	AC or HP	R-410A	1½- 2 Ton
TX3N4	Non-bleed Valve	AC or HP	R-410A	2½- 3 Ton
TX5N4	Non-bleed Valve	AC or HP	R-410A	3½- 5 Ton

KIT NUMBER	DESCRIPTION	APPLICATION	REFRIGERANT	TONNAGE: OUTDOOR UNIT
TX2N2	Non-bleed Valve	AC or HP	R-22	1½- 2 Ton
TX3N2	Non-bleed Valve	AC or HP	R-22	2½- 3 Ton
TX5N2	Non-bleed Valve	AC or HP	R-22	3½- 5 Ton

DOWNFLOW INSULATION KIT

DFK-B	DFK-C	DFK-D
XRUF25B24**	XRUF37C24**	XRUF49D24**
		XRUF61D24**

DRAIN PORT PLUG

KIT NUMBER	DESCRIPTION	APPLICATION
DPK1	Side Drain Port Plug	All Models

FILTERS

CHASSIS	PART #	SIZE
B	ALFH16201E	16.0" x 20.0"
C	ALFH1912201E	19.5" x 20.0"
D	ALFH20231E	23.0" x 20.0"

