

**FRASER-JOHNSTON®**  
Heating ■ Air Conditioning



## Direct Replacement Rooftop Units

FRASER-JOHNSTON® RELIACORE™ 200 SERIES PACKAGED COOLING AND HEATING UNITS 3-12.5 TONS

# Fraser-Johnston® ReliaCore™ 200 Series Rooftops

Building owners typically have two options when replacing a rooftop HVAC unit: install a newer model from the same manufacturer to fit an existing curb, or install a unit from another manufacturer – but with the increased time and expense resulting from the need for a curb adapter to fit an existing base. Now there's a better way to get advanced, cost-effective performance: the Fraser-Johnston® ReliaCore™ 200 Series.



## Reduced Complexity

Fraser-Johnston® ReliaCore™ 200 rooftop units allow you to confidently replace outdated packaged rooftop HVAC units simply and affordably – saving time, money and materials by fitting our rugged, dependable units directly on pre-existing, competitive curbs without the need for a transition. The compact ReliaCore™ 200 cabinet is available in two heights and footprints to provide a hassle-free solution.



## Advanced Features

Fraser-Johnston® ReliaCore™ 200 rooftop units are available with hail guard or hinged panel options; economizer and fresh air and relief damper options; three static drive options for airflow versatility up to 2-inch ESP; and options for 2-inch or 4-inch air filters and coil coatings. Powered and unpowered convenience outlets, disconnect switches, as well as smoke and CO<sub>2</sub> detectors, are also available.



## Superior Quality



Designed, engineered and assembled in the U.S.A., ReliaCore™ 200 units – along with the entire Fraser-Johnston® product offering – are closely monitored and tested at the factory to ensure manufacturing processes result in the best quality possible. And we don't stop there – rigorous salt spray testing confirms the powder paint exterior finish provides superior corrosion resistance, and the cabinet's top panel is embossed for added strength. Even the base rail material is stronger than average to withstand wind and resist flexing during installation.



## Maximized Efficiency

With cooling ratings of up to 15 SEER (12 EER) for ENERGY STAR® qualified products, ReliaCore™ 200 rooftop units cut energy costs as much as 40% compared to older units. Optional economizers incorporating low-leak capabilities meet ASHRAE 90.1-2010 standards – a respected energy efficiency benchmark.

## Competitive System Curb Compatibility

COMPETITOR UNIT		FRASER-JOHNSTON® UNIT		COMPETITOR UNIT		FRASER-JOHNSTON® UNIT		COMPETITOR UNIT		FRASER-JOHNSTON® UNIT	
Carrier	48/50 TC, HJ, TM, TF, TJ, DJ, LJ 04-14	ZX 04-14	Bryant	580J, 558J 04-14	ZX 04-14	ICP	RGS, PGE, PGH, PGS, RAS, PAE, PAH, PAS 036-150	ZX 04-14	 	Search for "Direct Rooftop Replacement" in Google Play or the Apple App Store and download our easy-to-use competitive compatibility app.	
	48/50 GJ 06-12	ZX 06-12		581J, 551J 04-12	ZY 04-12		RGH, RAH 036-150	ZY 04-12			
	48/50 HC 04-12	ZY 04-12		581C, 551C 036-060	ZQ 04-06						
	48/50 HE/KC 04-06	ZQ 04-06		581B, 580F, 580C, 580D, 551B, 558F, 558C, 558D 036-150	ZX 04-14						
	48/50 HM 07	ZX 07		581A, 551A 090-150	ZX 08-14						
FOOTPRINT			FOOTPRINT								
ZX04-ZX07	74.1"	48.9"	ZX08-ZX14	87.2"	61.7"						
ZY04-ZY06			ZY07-ZY12								
ZQ04-ZQ06											

# More Options, Better Value

With two cabinet sizes that fit perfectly within many existing unit footprints, Fraser-Johnston® ReliaCore™ 200 Packaged Cooling and Heating units simplify the transition process by avoiding material, labor and height restrictions that transition curb solutions typically encounter. Configurations with cooling, gas heating or electric heat provide additional options for a variety of installations gas heating or electric heat provide additional options for a variety of installations.



- ReliaCore™ 200 rooftop units **fit existing curbs without needing an adapter.**
- Advanced scroll compressor design uses fewer moving parts for a **quieter, more reliable and efficient system.**
- Indoor and outdoor fans are **dynamically balanced for better performance and reliability.** Three static drive options provide airflow versatility up to 2" ESP.
- Simplicity® Smart Equipment™ ensures **easier installation, startup and troubleshooting** versus electromechanical controls.
- Embossed top cabinet panels provide **increased structural support and rigidity.** Powder paint exterior finish provides better corrosion protection than pre-painted steel.
- Choice of 2" or 4" filters that can be **easily converted without special tools.**
- ENERGY STAR® qualified models offer **optional, low-leak economizers with integrated controls that meet ASHRAE 90.1-2010 requirements.**
- **Designed, engineered and assembled in the United States** to ensure quality.

## Remote Monitoring Simplicity® Smart Equipment™

Every ReliaCore™ 200 unit comes standard with Simplicity® Smart Equipment™, a digital control system that makes system setup, optimization and maintenance far easier than older, electromechanical controls. Optional remote data access is available via our Mobile Access Port (MAP), and our Fault Detection and Diagnostics (FDD) system is available to further reduce service steps. Simplicity® Smart Equipment™ benefits include:



Easy-to-read LCD display with navigational joystick and buttons

24/7 real-time reporting and performance alerts viewable via web browser

On-board USB port for uploading or downloading software and unit information

Independent safety monitoring to ensure unit protection and easy troubleshooting

Building automation compatible with optional communication card; BACnet, N2 and ModBUS RTU protocols available

ZY High Efficiency Rooftop Units



UNIT	TON	TYPE	AHRI NET COOLING CAPACITY (BTUH)	GAS HEATING INPUT (MBH)			EER	(SEER)	CFM	OPERATING WEIGHT (LBS.)
				LOW	MED	HIGH		IEER <sup>1</sup>		
ZY04	3	A/C with Gas Heat (Second/First Stage)	36,000	70/49	112/82	-	12.0	(15)	1,200	527
		A/C Cooling Only	36,000	-	-	-	12.0	(15)	1,200	481
ZY05	4	A/C with Gas Heat (Second/First Stage)	49,000	70/49	112/82	145/100	12.0	(15.4)	1,600	618
		A/C Cooling Only	49,000	-	-	-	12.0	(15.4)	1,600	564
ZY06	5	A/C with Gas Heat (Second/First Stage)	58,000	70/49	112/82	145/100	12.0	(15.2)	1,600	636
		A/C Cooling Only	58,000	-	-	-	12.0	(15.2)	1,600	582
ZY07	6	A/C with Gas Heat (Second/First Stage)	72,000	-	125/90	150/110	12.0	12.6	2,400	804
		A/C Cooling Only	72,000	-	-	-	12.0	12.6	2,400	734
ZY08*	7.5	A/C with Gas Heat (Second/First Stage)	89,000	125/90	180/125	220/176	12.0	12.4	2,900	980
		A/C Cooling Only	89,000	-	-	-	12.2	12.6	2,900	878
ZY09*	8.5	A/C with Gas Heat (Second/First Stage)	98,000	125/90	180/125	220/176	12.0	12.4	3,000	980
		A/C Cooling Only	98,000	-	-	-	12.2	12.6	3,000	878
ZY12*	10	A/C with Gas Heat (Second/First Stage)	116,000	180/125	220/176	250/220	11.5	11.6	3,200	1,008
		A/C Cooling Only	116,000	-	-	-	11.7	11.8	3,200	902

\* Available only as two-stage units  
<sup>1</sup>IEER values up to 14.4 available with the IntelliSpeed™ option

ZQ 14 SEER Rooftop Units

UNIT	TON	TYPE	AHRI NET COOLING CAPACITY (BTUH)	GAS HEATING INPUT (MBH)			EER	(SEER)	CFM	OPERATING WEIGHT (LBS.)
				LOW	MED	HIGH		IEER <sup>1</sup>		
ZQ04	3	A/C with Gas Heat (Second/First Stage)	35,000	70	112/82	-	12.2	(14.0)	1,200	498
		A/C Cooling Only	35,000	-	-	-	12.2	(14.0)	1,200	450
ZQ05	4	A/C with Gas Heat (Second/First Stage)	48,000	70	112	145/100	12	(14.0)	1,575	538
		A/C Cooling Only	48,000	-	-	-	12	(14.0)	1,575	487
ZQ06	5	A/C with Gas Heat (Second/First Stage)	58,500	70	112	145/100	12.1	(14.1)	1,950	615
		A/C Cooling Only	58,500	-	-	-		(14.1)	1,950	566

ZX Rooftop Units ASHRAE 90.1 Compliant

UNIT	TON	TYPE	AHRI NET COOLING CAPACITY (BTUH)	GAS HEATING INPUT (MBH)			EER	(SEER)	CFM	OPERATING WEIGHT (LBS.)
				LOW	MED	HIGH		IEER <sup>1</sup>		
ZX04	3	A/C with Gas Heat (Second/First Stage)	34,600	70	112/82	-	11.0	(13.0)	1,200	515
		A/C Cooling Only	34,600	-	-	-	11.0	(13.0)	1,200	469
ZX05	4	A/C with Gas Heat (Second/First Stage)	45,000	70	112	145/100	11.0	(13.0)	1,600	552
		A/C Cooling Only	45,000	-	-	-	11.0	(13.0)	1,600	498
ZX06	5	A/C with Gas Heat (Second/First Stage)	59,000	70	112	145/100	11.0	(13.0)	1,800	584
		A/C Cooling Only	59,000	-	-	-	11.0	(13.0)	1,800	530
ZX07	6	A/C with Gas Heat (Second/First Stage)	69,000	70	114	145/100	11.0	11.9	2,300	646
		A/C Cooling Only	69,000	-	-	-	11.0	12.1	2,300	592
ZX08*	7.5	A/C with Gas Heat (Second/First Stage)	85,000	125/90	180/125	220/176	11.0	11.5	2,900	893
		A/C Cooling Only	85,000	-	-	-	11.2	11.6	2,900	791
ZX09*	8.5	A/C with Gas Heat (Second/First Stage)	99,000	125/90	180/125	220/176	11.0	11.7	3,300	954
		A/C Cooling Only	99,000	-	-	-	11.2	11.9	3,300	852
ZX12*	10	A/C with Gas Heat (Second/First Stage)	116,000	180/125	220/176	250/200	11.0	11.8	3,400	985
		A/C Cooling Only	116,000	-	-	-	11.2	12.0	3,400	879
ZX14*	12.5	A/C with Gas Heat (Second/First Stage)	135,000	180/125	220/176	250/200	10.8	11.0	4,000	1,047
		A/C Cooling Only	135,000	-	-	-	11.0	11.2	4,000	941

\* Available only as two-stage units  
<sup>1</sup>IEER values up to 14.8 available with the IntelliSpeed™ option

