

**LUXAIRE**<sup>®</sup>  
HEATING ■ AIR CONDITIONING



## Direct Replacement Rooftop Units

LUXAIRE<sup>®</sup> ECLIPSE<sup>™</sup> SERIES PACKAGED COOLING AND HEATING UNITS  
3-12.5 TONS

# Luxaire® Eclipse™ Series Rooftops

Building owners traditionally face two options when older rooftop units reach the end of their life cycles: install a new unit from the same manufacturer to fit an existing curb, or install a different manufacturer's unit, but at an increased cost and complexity due to a needed curb adapter to fit an existing base. Now there's a better choice: the Luxaire® Eclipse™ Series.



## Reduced Complexity

Luxaire® Eclipse™ rooftop units allow you to confidently replace outdated packaged rooftop HVAC units simply and affordably — saving time, money and materials by fitting precisely on pre-existing, competitive curbs without the need for a transition. The compact Eclipse™ cabinet is available in two heights and footprints to provide a hassle-free solution.



## Maximized Efficiency

With cooling ratings of up to 15 SEER (12 EER) for ENERGY STAR® qualified products, Eclipse™ 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.



## Superior Quality

Designed, engineered and assembled in the United States, Eclipse™ units 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.



## Advanced Features

Luxaire® Eclipse™ 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.

## Competitive System Curb Compatibility

	Competitor Unit	Luxaire® Unit	Competitor Unit	Luxaire® Unit	Competitor Unit	Luxaire® Unit		
Carrier	48/50 TC, HJ, TM, TF, TJ, DJ, LJ 04-14	ZQ 04-06 ZX 07-14	Bryant	580J, 558J 04-14	ZQ 04-06 ZX 07-14	ICP	RGS, PGE, PGH, PGS, RAS, PAE, PAH, PAS 036-150	ZQ 04-06 ZX 07-14
	48/50 GJ 06-12	ZX 07-12		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	ZQ 04-06 ZX 07-14			
	48/50 HM 07	ZX 07		581A, 551A 090-150	ZX 08-14			

Footprint	Length	Width	Footprint	Length	Width
ZX07	74.1"	48.9"	ZX08-ZX14	87.2"	61.7"
ZY04-ZY06			ZY07-ZY12		
ZQ04-ZQ06					



Search for "Direct Rooftop Replacement" in Google Play or the Apple App Store and download our easy-to-use competitive compatibility app.

# Precision in Every Configuration

With two cabinet sizes that fit perfectly within many existing unit footprints, Luxaire® Eclipse™ 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 heating provide additional options for a variety of installations.



- Eclipse™ rooftop units **fit existing curbs without needing an adapter.**
- Indoor and outdoor fans are **dynamically balanced for better performance and reliability.** Three static drive options provide airflow versatility up to 2" ESP.
- Advanced scroll compressor design uses fewer moving parts for a **quieter, more reliable and efficient system.**
- 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.
- Condenser coils constructed of MicroChannel aluminum tubing and aluminum fins for **durability and long-lasting, efficient operation.**
- 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 Smart Equipment

Every Eclipse™ unit comes standard with 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. 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 | Designed to work with Verasys™, a plug-and-play control system that integrates building systems to reduce complexity and provide greater capabilities than traditional systems | 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) IEER <sup>1</sup>	CFM	OPERATING WEIGHT (LBS.)
				LOW	MED	HIGH				
ZY04	3	A/C with Gas Heat (Second/First Stage)	36,000	70/49	112/82	-	12.0	(15.0)	1,200	527
		A/C Cooling Only	36,000	-	-	-	12.0	(15.0)	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	72/57	125/90	150/110	12.0	12.7	2,400	804
		A/C Cooling Only	72,000	-	-	-	12.2	12.9	2,400	734
ZY08*	7.5	A/C with Gas Heat (Second/First Stage)	89,000	125/90	180/125	220/176	12.0	12.7	2,900	980
		A/C Cooling Only	89,000	-	-	-	12.2	12.9	2,900	878
ZY09*	8.5	A/C with Gas Heat (Second/First Stage)	98,000	125/90	180/125	220/176	12.0	12.7	3,000	980
		A/C Cooling Only	98,000	-	-	-	12.2	12.9	3,000	878
ZY12*	10	A/C with Gas Heat (Second/First Stage)	116,000	180/125	220/176	250/220	11.5	12.7	3,200	1,008
		A/C Cooling Only	116,000	-	-	-	11.7	12.9	3,200	902

\* Available only as two-stage units  
<sup>1</sup>IEER values up to 14.8 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				
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	12.0	14.0	1,575	538
		A/C Cooling Only	48,000	-	-	-	12.0	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	-	-	-	12.1	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) IEER <sup>1</sup>	CFM	OPERATING WEIGHT (LBS.)
				LOW	MED	HIGH				
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	-	-	-	11.2	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	11.7	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	12.5	3,400	985
		A/C Cooling Only	116,000	-	-	-	11.2	12.7	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 14.6 available with the IntelliSpeed™ option



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