

Engineered for dependability and strategically stocked across North America, Raider® delivers a high-quality HVAC replacement—fast. With backward compatibility for one of the industry's most common footprints, installation is seamless, minimizing downtime and disruption. When it has to be done right, choose Raider®.



REPLACEMENT COMPATIBILITY

- Compatible with one of the industry's most widely used footprints, eliminating the need for an adaptor curb.
- Lightweight design eliminates the need for structure analysis and reduces roof load on replacement jobs
- Utilizes existing gas and electrical connections in many replacement jobs.



ON-HAND, ON-DEMAND

- Increased manufacturing capacity of emergency replacement rooftop units.
- Stocked in 100% of all Commercial distribution facilities in North America.
- Dedicated local support focused on quick quote turnaround.



ROOF READY

- Product line consisting of 3-12.5 ton gas-electric and electric-electric, and 3-10 ton heat pump models
- Simplified maintenance with an accessible gas compartment, compressor access panel and tool-less filter access.
- Full-perimeter base rail provides greater structural integrity.

READY WHEN YOU ARE

3-12.5 TON RAIDER® PACKAGED ROOFTOP PERFORMANCE DATA (GAS AND ELECTRIC) - STANDARD EFFICIENCY

MODEL NUMBER	Z(C,G)D036S5B/E	Z(C,G)D048S5B/E	Z(C,G)D060S5B/E	Z(C,G)D074S5T	Z(C,G)D092S5T	Z(C,G)D102S5T	Z(C,G)D120S5M	Z(C,G)D150S5M
SIZE (TONS) / CABINET	3 TON / A	4 TON / A	5 TON / A	6 TON / A	7.5 TON / B	8.5 TON / B	10 TON / B	12.5 TON / B
EFFICIENCY	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
BLOWER TYPE	Single Speed Belt Drive/ ECM Direct Drive	Single Speed Belt Drive/ ECM Direct Drive	Single Speed Belt Drive/ ECM Direct Drive	Two Speed Belt Drive	Two Speed Belt Drive	Two Speed Belt Drive	MSAV	MSAV
NET COOLING CAPACITY (Btuh)	35,000	45,500	57,000	67,000	88,000	98,000	115,000	136,000
COOLING STAGES	1	1	1	2	3	3	3	3
NOMINAL SUPPLY AIR (cfm)	1190	1380	1725	2200	2700	2800	3300	4100
SEER2	13.4	13.4	13.4	-	-	-	-	-
IEER	-	-	-	15.0 (ZG) 15.5 (ZC)	15.0 (ZG) 15.0 (ZC)	14.6 (ZG) 14.8 (ZC)	15.0 (ZG) 15.0 (ZC)	15.0 (ZG) 15.0 (ZC)
EER2	11.5	11.5	11.5	11.0 (ZG) 11.2 (ZC)	11.0 (ZG) 11.2 (ZC)	11.0 (ZG) 11.2 (ZC)	11.0 (ZG) 11.2 (ZC)	10.8 (ZG) 11.0 (ZC)
GAS HEAT SIZE (kBtuh)	65, 108	65, 108, 105			130, 180 & 240			
ELECTRIC HEAT SIZE (kW)	5, 7.5, 10 & 15	5, 7.5, 10, 15 & 22.5		7.5, 10, 15, 22.5 & 30	7.5, 15, 22.5, 30 & 45		15, 22.5, 30, 45 & 60	
BLOWER MOTOR SIZE (HP)	.75hp BD (1ph), 1hp BD, .5 ECM DD	1hp BD, .75hp ECM DD	1.5hp BD, 1 hp ECM DD	2	2, 3 & 5			
NET. WEIGHT (LBS) G/E	487	469	555	603	841	841	881	971
NET. WEIGHT (LBS) E/E	437	446	531	531	793	793	833	923
CABINET SIZE - H x W x L (IN)	37 x 48 x 76		45 x 48 x 76		49 x 61 x 96			
FILTER (QUANTITY / SIZE) (IN)	(4) 14 x 20 x 2		(2) 16 x 20 x 20 (2) 20 x 20 x 2		(4) 20 x 24 x 2			
SOUND (dBA)	78	80	78		84		90	91



Note - Due to our ongoing commitment to quality, all specifications, ratings, and dimensions are subject to change without notice. For the latest technical information, Lennox.com/Commercial | Contact us at 1-800-4-LENNOX

3-10 TON RAIDER® PACKAGED ROOFTOP PERFORMANCE DATA (HEAT PUMP) - STANDARD EFFICIENCY

MODEL NUMBER	ZHD036S5*	ZHD048S5*	ZHD060S5*	ZHD092S5T	ZHD102S5T	ZHD120S5M
SIZE (TONS) / CABINET	3 TON / A	4 TON / A	5 TON / A	7.5 TON / B	8.5 TON / B	10 TON / B
EFFICIENCY	Standard	Standard	Standard	Standard	Standard	Standard
BLOWER TYPE	ECM or Belt Drive	ECM or Belt Drive	ECM or Belt Drive	2 Speed Belt Drive	2 Speed Belt Drive	Belt Drive VFD
NET COOLING CAPACITY (Btuh)	35,000	45,000	57,000	87,000	100,000	118,000
COMPRESSOR QTY AND TYPE	1 Single-Speed Scroll			1 Two Speed, 1 Fixed Speed Scroll		
COOLING STAGES	1	1	1	2	2	2
EER2 (3-5T) / EER (6T AND UP)	10.6	10.6	10.6	11.0	11.0	11.0
SEER2	13.4	13.4	13.4	-	-	-
IEER (092-120)	-	-	-	14.1	14.1	14.1
NET HEATING CAPACITY - 47°F	-	-	-	83,000	100,000	116,000
HSPF2	6.7	6.7	6.7	-	-	-
COP (47°F)	-	-	-	3.4	3.4	3.4
ELECTRIC HEAT SIZES (kW)	7.5, 15		7.5, 15, 22.5	7.5, 15, 22.5, 30, 45		15, 22.5, 30, 45, 60
BLOWER MOTOR SIZES (HP)	1		1.5	2		3
APPROX. BASE UNIT WEIGHT (LBS.)	580	585	610	874		914
CABINET SIZE - H x W x L (IN.)	37 x 48 x 76		45 x 48 x 76	49 x 61 x 96		
FILTERS (QTY) - SIZE (IN.)	(4) 14 x 20 x 2		(2) 16 x 20 x 2 (2) 20 x 20 x 2		(4) 20 x 24 x 2	
SOUND (dBA)	79	78	82	84		90

FACTORY- AND FIELD-INSTALLED OPTIONS

OPTION	FACTORY	FIELD
COOLING		
Drain Pan Overflow Switch		•
Low-Ambient Kit		•
PVC or Copper Condensate Drain Trap		•
BLOWER		
Blower - Supply Air Motors	•	
Blower - Supply Air Drive Kits	•	
HEATING		
Electric Heat		•
Gas Heat	•	
Stainless Steel Heat Exchanger	•	
Combustion Air Intake Extensions		•
LPG/Propane Conversion Kits		•
Vertical Vent Extension		•
CABINETS		
Combination Coil/Hail Guards		•
CONTROLS		
CS3000 and CS7500 Commercial Programmable Thermostats		•
BACnet Module		•
BACnet Thermostat with Display		•
BACnet Thermostat without Display		•
Smoke Detector Supply and/or Return		•

OPTION	FACTORY	FIELD
INDOOR AIR QUALITY		
MERV 4 Filters		•
Replacement Media Filter with Metal Mesh		•
IAQ (Co2) Sensors		•
ELECTRICAL		
GFCI Service Outlets		•
Electrical Voltage (60 Hz, 208/230V 1ph, 208/230V, 460V, or 575V - 3ph)	•	
Disconnect Switch	•	•
Bottom Power Entry Kit Field Installed		•
STANDARD ECONOMIZER		
Standard Economizer Downflow or Horizontal with Outdoor Air Hood (not for Title 24)		•
Standard Economizer Controls (not for Title 24)		•
HIGH PERFORMANCE ECONOMIZER		
High Performance Economizer with Outdoor Air Hood - Downflow	•	•
High Performance Economizer with Outdoor Air Hood - Horizontal		•
Economizer Controls - Single Sensible/ Enthalpy		•
Economizer Controls - Differential Enthalpy		•
Horizontal Barometric Relief Dampers - Hood Furnished		•
OUTDOOR AIR		
Manual Outdoor Air Dampers		•
Motorized Outdoor Air Dampers		•
575V Transformer Kit Field Installed		•
Power Exhaust Fan Standard Static		•
ROOF CURBS/CEILING DIFFUSERS		
Roof Curbs (Standard, Clip, Hinged)		•
Ceiling Diffusers		•

TONNAGE	LENGTH	WIDTH	SUPPLY AIR		RETURN AIR	
	L	W	SL	SW	RL	RW
036 TO 074 (A)	75-7/8	41-1/4	12-1/8	17-3/8	25-5/8	10 7/8
092 TO 150 (B)	95-3/8	60-1/8	15	28-1/4	39	14-1/2



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