

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 utility 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

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	OPTION	FACTORY	FIELD
COOLING			INDOOR AIR QUALITY		
Drain Pan Overflow Switch		•	MERV 4 Filters		•
Low-Ambient Kit		•	Replacement Media Filter with Metal Mesh		•
PVC or Copper Condensate Drain Trap		•	IAQ (Co2) Sensors		•
BLOWER			ELECTRICAL		
Blower - Supply Air Motors	•		Electrical Voltage (60 Hz, 208/230V 1ph, 208/230V, 460V, or 575V - 3ph)	•	
Blower - Supply Air Drive Kits	•		Bottom Power Entry Kit Field Installed		•
HEATING			Weatherproof Cover for GFI		•
Electric Heat		•	STANDARD ECONOMIZER		
Gas Heat	•		Standard Economizer Downflow or Horizontal with Outdoor Air Hood (not for Title 24)		•
Stainless Steel Heat Exchanger	•		Standard Economizer Controls (not for Title 24)		•
Combustion Air Intake Extensions		•	HIGH PERFORMANCE ECONOMIZER		
LPG/Propane Conversion Kits		•	High Performance Economizer with Outdoor Air Hood - Downflow (Factory Installed on B Box Only)	•	•
Vertical Vent Extension		•	High Performance Economizer with Outdoor Air Hood - Horizontal		•
CABINETS			Economizer Controls - Single Sensible/ Enthalpy		•
Combination Coil/Hail Guards		•	Economizer Controls - Differential Enthalpy		•
Corrosion Protection (Indoor coil/Outdoor coil)	•		Horizontal Barometric Relief Dampers - Hood Furnished		•
CONTROLS			OUTDOOR AIR		
CS3000 and CS7500 Commercial Programmable Thermostats		•	Manual Outdoor Air Dampers		•
BACnet Module		•	Motorized Outdoor Air Dampers		•
BACnet Thermostat with Display		•	575V Transformer Kit Field Installed		•
BACnet Thermostat without Display		•	Power Exhaust Fan Standard Static		•
			ROOF CURBS/CEILING DIFFUSERS		
			Roof Curbs (Standard, Clip, Hinged)		•
			Ceiling Diffusers		•

	LENGTH	WIDTH	SUPPLY AIR		RETURN AIR	
TONNAGE	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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