



DCH SERIES

7½ - 12½ TON PACKAGED HEAT PUMP

UP TO 11.5 EER & 3.4 COP

COOLING CAPACITY: 90,000 — 140,000 BTU/H

HEATING CAPACITY: 90,000 — 142,000 BTU/H

SUBMITTAL DATA FORM

Job Name _____

Location _____

Purchaser _____

Order No. _____

Engineer _____

Unit No. _____

Model No. _____

Unit Designation _____

Performance Data Certified By: _____

■ Standard Features

- High-efficiency scroll compressors
- Two-stage cooling
- Copper tube / aluminum fin coils
- Power block for field wiring
- High-capacity, steel-cased filter drier
- Single-point entry
- 24-volt terminal strip
- Convertible airflow orientation
- Easy to service
- Built-in filter rack with standard 2" filters
- AHRI Certified; ETL Listed
- Units meet the performance outlined in Table 6.8.1B of ASHRAE Standard 90.1-2010

■ Cabinet Features

- Heavy-gauge, galvanized-steel cabinet with UV-resistant powder-paint finish
- Full perimeter rail
- Sloped drain pan



* Complete warranty details available from your local dealer or at www.daikincomfort.com.

PERFORMANCE DATA**Cooling Performance**

Total Capacity _____ MBH
Sensible Capacity _____ MBH
Outdoor Design TMP _____ °F DB / WB
Air Temp entering _____
Evaporator Coil _____ °F
Power Input Required _____ kW
(less blower motor)

Heating Performance

Total Heating Capacity _____ kW
_____ BTU/h

Supply Air Blower Performance

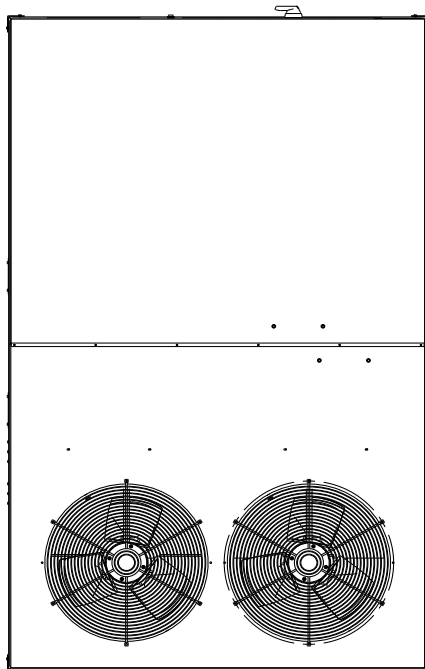
Total Supply Air _____ CFM
Ext. Static Pressure _____ IWG
Blower Speed _____ RPM
Power Output Required _____ BHP
Motor Ratings _____ HP
Power Input Required _____ kW

Electrical Data

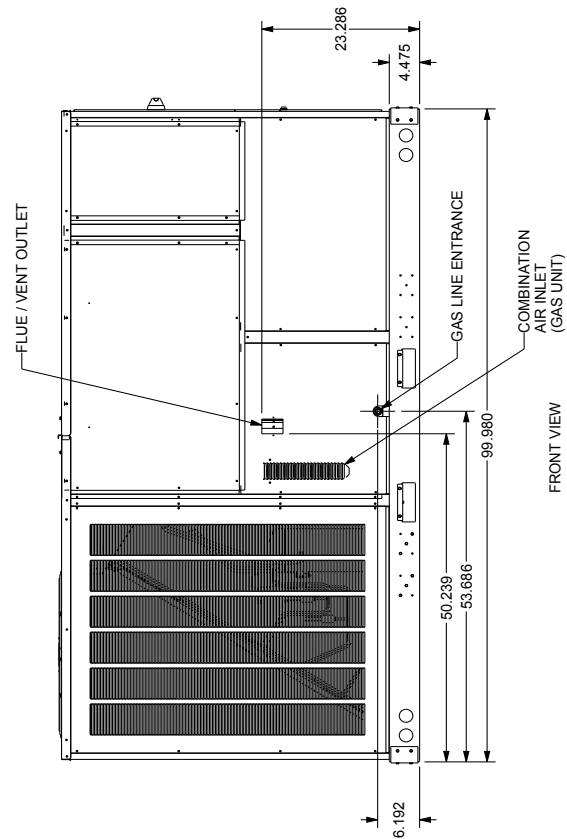
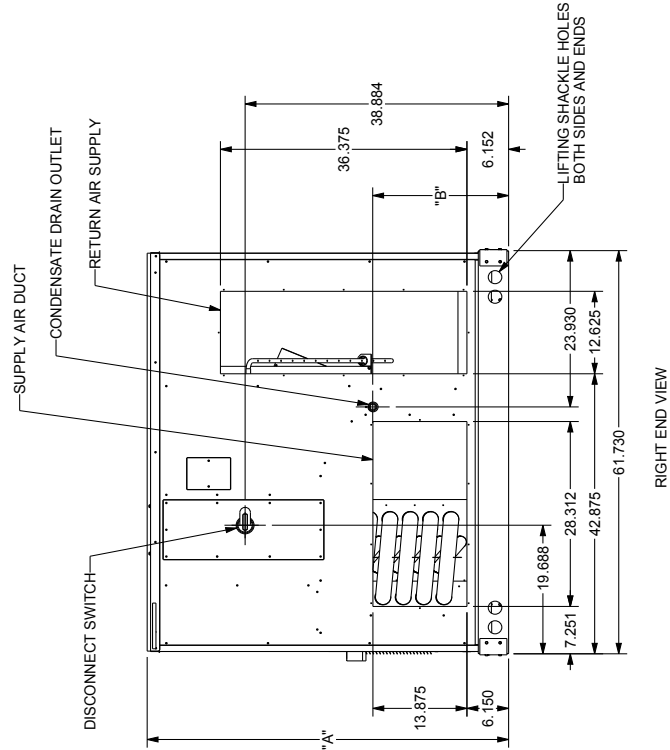
Power Supply _____
Total Unit Amps _____ Amps
Max Overcurrent Device:
Fuse _____ Breaker _____ Amps _____

CERTIFIED DIMENSIONS

MODEL TONNAGE	"A"	"B"
7.5 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	53.339	20.055
8.5 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	53.339	20.055
10 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	53.339	20.055
12.5 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	58.839	18.055



TOP VIEW

**DC*090-150*****

7.5 THRU 12.5 TON COMMERCIAL

ALL DIMENSIONS GIVEN ARE IN INCHES
ALL DIMENSIONS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ACCESSORIES LIST

DAIKIN MASTER ITEM #	DESCRIPTION	FITS MODEL SIZES	FIELD- INSTALLED	FACTORY- INSTALLED	✓
Curb					
14CURB90150	14" Roof Curb	7½-12½ tons	✓		
18CURB90150	18" Roof Curb	7½-12½ tons	✓		
24CURB90150	24" Roof Curb	7½-12½ tons	✓		
GHRC-90150	Hurricane Restraint Clips	7½-12½ tons	✓		
Ultra Low-Leak Economizer & Power Exhaust¹					
10-365-10C	Ultra Low-Leak Downflow Economizer w/ Dry Bulb	7½-12½ tons	✓		
10-366-10C	Ultra Low-Leak Downflow Economizer w/ Enthalpy	7½-12½ tons	✓	✓	
10-395-10B	Ultra Low-Leak Horizontal Economizer w/ Dry Bulb	7½-12½ tons	✓		
10-396-10B	Ultra Low-Leak Horizontal Economizer w/ Enthalpy	7½-12½ tons	✓		
10-455-10*-23	Centrifugal Power Exhaust 208-230v	7½-12½ tons	✓		
10-455-10*-33	Centrifugal Power Exhaust 460v	7½-12½ tons	✓		
10-455-10*-43	Centrifugal Power Exhaust 575v	7½-12½ tons	✓		
10-457-10xA-23	Modulating Power Exhaust 208-230v	7½-12½ tons	✓		
10-457-10xA-33	Modulating Power Exhaust 460v	7½-12½ tons	✓		
10-465-10-21	Prop Power Exhaust 230v	7½-12½ tons	✓		
10-465-10-31	Prop Power Exhaust 460v	7½-12½ tons	✓		
10-465-10-41	Prop Power Exhaust 575v	7½-12½ tons	✓		
Low-Leak Economizer & Power Exhaust²					
DDNECNJ90150B	Low-Leak Downflow Economizer	7½-12½ tons	✓	✓	
DPE901502	Downflow Power Exhaust (208/230v)	7½-12½ tons	✓		
DPE901504	Downflow Power Exhaust (460v)	7½-12½ tons	✓		
DPE901507	Downflow Power Exhaust (575v)	7½-12½ tons	✓		
DHZEENJ90150	Horizontal Economizer	7½-12½ tons	✓		
DHPE901502	Horizontal Power Exhaust (208/230v)	7½-12½ tons	✓		
DHPE901504	Horizontal Power Exhaust (460v)	7½-12½ tons	✓		
DHPE901507	Horizontal Power Exhaust (575v)	7½-12½ tons	✓		
Downflow Accessories					
D25FD90150	25% Manual Fresh Air Damper	7½-12½ tons	✓		
D25MFD90150	25% Motorized Fresh Air Damper	7½-12½ tons	✓		
DDNBBS90150	Burglar Bar Sleeves: includes Supply & Return	7½-12½ tons	✓		
DDNECNJ90150NR	Low-Leak Downflow Economizer w/o Barometric Relief	7½-12½ tons	✓		
DDNSQRD9020	Downflow Square-to-Round Adapter 20" Round	7½ tons	✓		
Horizontal Accessories					
DBRD3672	Horizontal Barometric Relief Damper (2 required)	7½-12½ tons	✓		
Concentrics					
CDK90102	Concentric Duct Kit	7½-8½ tons	✓		
CDK120	Concentric Duct Kit	10 tons	✓		
CDK150	Concentric Duct Kit	12½ tons	✓		
3 phase 208-230V Electric Heat Kits					
EHK3-16	16kw 208-230v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	
EHK3-30	30kw 208-230v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	
EHK3-45	45kw 208-230v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	

ACCESSORIES LIST (CONT.)

DAIKIN MASTER ITEM #	DESCRIPTION	FITS MODEL SIZES	FIELD- INSTALLED	FACTORY- INSTALLED	✓
3 phase 460V Electric Heat Kits					
EHK3-16	16kw 460v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	
EHK3-30	30kw 460v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	
EHK3-45	45kw 460v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	
3 phase 575V Electric Heat Kits					
EHK3-16	16kw 575v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	
EHK3-30	30kw 575v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	
EHK3-45	45kw 575v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	
DDC Accessories³					
	DDC communicating controller (built-in BACnet® MS/TP) includes Standard Room Sensor to be installed in field	7½-12½ tons		✓	
10366D10B	DDC Ultra Low-Leak Downflow Economizer	7½-12½ tons	✓	✓	
10366D10	DDC Ultra Low-Leak Horizontal Economizer	7½-12½ tons	✓		
10465DDC	Power Exhaust kit used with DDC Ultra Low-Leak Economizer	7½-12½ tons	✓		
DLAKT03	Low-Ambient	7½-12½ tons	✓	✓	
LONKT01	LonWorks® card	7½-12½ tons	✓		
3PMK01	Phase Monitor (3-Phase Only)	7½-12½ tons	✓	✓	
DFSKT01	Dirty Filter Switch	7½-12½ tons	✓		
High-Static Kits⁴					
HSKT090G	High-Static Kit (230/460v)	7½ tons	✓	✓	
	High-Static Kit (230/460v)	8½ tons	✓	✓	
HSKT090G-7	High-Static Kit (575v)	7½ tons	✓	✓	
	High-Static Kit (575v)	8½ tons	✓	✓	
HSKT120	High-Static Kit (230/460v)	10 tons	✓	✓	
HSKT120-7	High-Static Kit (575v)	10 tons	✓	✓	
HSKT150	High-Static Kit (230/460v)	12½ tons	✓	✓	
HSKT150-7	High-Static Kit (575v)	12½ tons	✓	✓	
Crankcase Heater Kits					
0130L00017S	70W 230V	7½-12½ tons	✓		
0130L00018S	70W 460V	7½-12½ tons	✓		
0130L00019S	70W 575V	7½-12½ tons	✓		
High Efficiency Filters					
0160L00205	High Efficiency MERV 13 Air Filter Nom. Size: 16x20x2; (Order Qty 4)	7.5 tons	✓		
0160L00206	High Efficiency MERV 13 Air Filter Nom. Size: 16x24x2; (Order Qty 4)	8.5 & 10 tons	✓		
0160L00202	High Efficiency MERV 13 Air Filter Nom. Size: 20x25x2; (Order Qty 4)	12.5 tons	✓		
Misc Accessories					
HailGD02D	Condenser Coil Hail Guard	7½-10 tons	✓		
HailGD05D	Condenser Coil Hail Guard	12½ tons	✓		
	Convenience Outlet: Powered	7½-12½ tons		✓	
	Convenience Outlet: Non Powered	7½-12½ tons		✓	
	Disconnect Switch (non-fused)	7½-12½ tons		✓	
LAKT17	Low-Ambient Kit, 208-230V - non-DDC	7½-8½ tons	✓	✓	

ACCESSORIES LIST (CONT.)

DAIKIN MASTER ITEM #	DESCRIPTION	FITS MODEL SIZES	FIELD- INSTALLED	FACTORY- INSTALLED	✓
LAKT18	Low-Ambient Kit, 460V - non-DDC	7½-8½ tons	✓	✓	
LAKT19	Low-Ambient Kit, 575V - non-DDC	7½-8½ tons	✓	✓	
LAKT20	Low-Ambient Kit, 208-230V - non-DDC	10-12½ tons	✓	✓	
LAKT21	Low-Ambient Kit, 460V - non-DDC	10-12½ tons	✓	✓	
LAKT22	Low-Ambient Kit, 575V - non-DDC	10-12½ tons	✓	✓	
3PMNDK01	Phase Monitor - Non DDC	7½-12½ tons	✓	✓	
	Smoke Detector (supply and/or return air)	7½-12½ tons		✓	
	Hinged Panels	7½-12½ tons		✓	

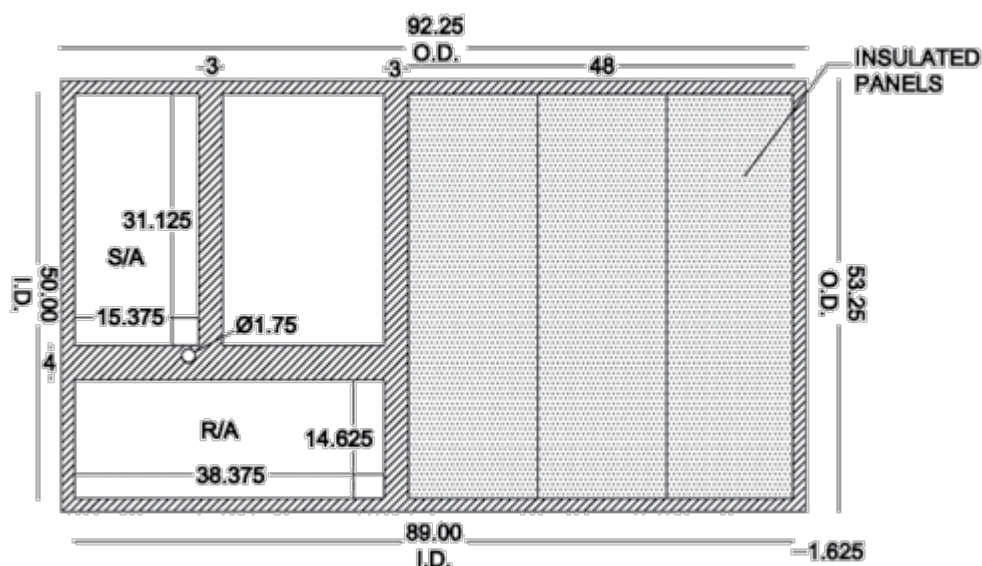
¹ Use Economizer & Power Exhaust listed within Ultra Low-Leak section

² Use Economizer & Power Exhaust listed within Low-Leak section

³ For a full list of DDC accessories, please refer to DDC Controller Technical Guide manual (DK-DDC-TGD-01B)

⁴ HSKT High-Static Kits are for use with standard single-speed belt-drive units only.

Note: Where multiple variations are available, the heaviest combination is listed.

ROOF CURB — #14CRB90150**SPECIFICATIONS**

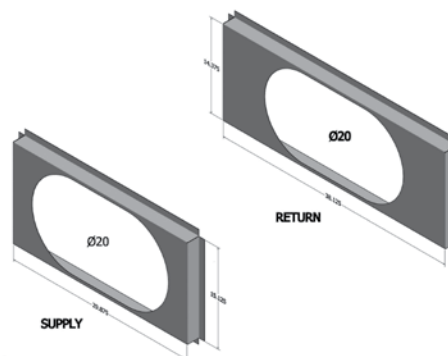
- 18-Gauge Construction
- 1 x 4 Wood Nailer attached to top of the curb
- Shipped knocked down with all hardware
- Gasket included
- Bed-Rail style corners

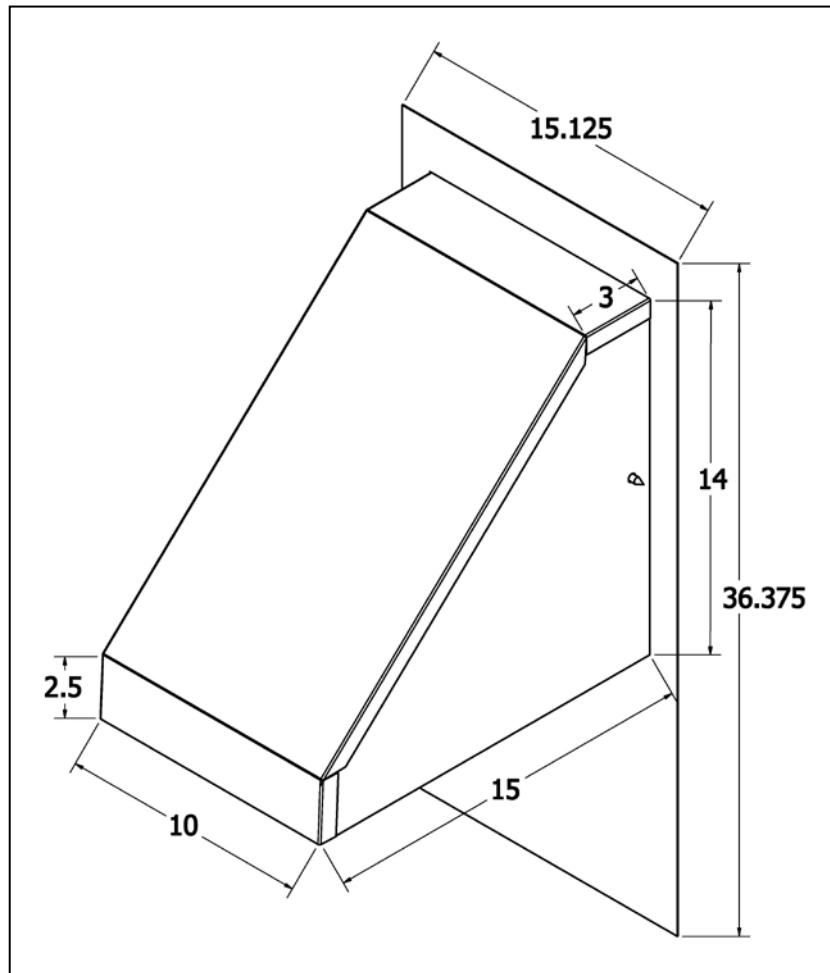
Note: outside duct dimension should be ½" less than opening dimensions above.

NO CURB ADAPTER REQUIRED WHEN REPLACING CARRIER & BRYANT MODELS

No curb adapter is required when replacing an existing Carrier or Bryant RTU with a Daikin RTU in the following situations. The footprints and locations of the return and supply ductwork match.

NEW UNIT	EXISTING CARRIER	EXISTING BRYANT
7½ TO 12½ TONS DCG, DCC, DCH	48/50 TJ, LJ, DJ, QJ 48/50TM, HJ 008 - 014	580C-D, 558C-D, 548C-D 580F, 558F, 581B 090 - 150

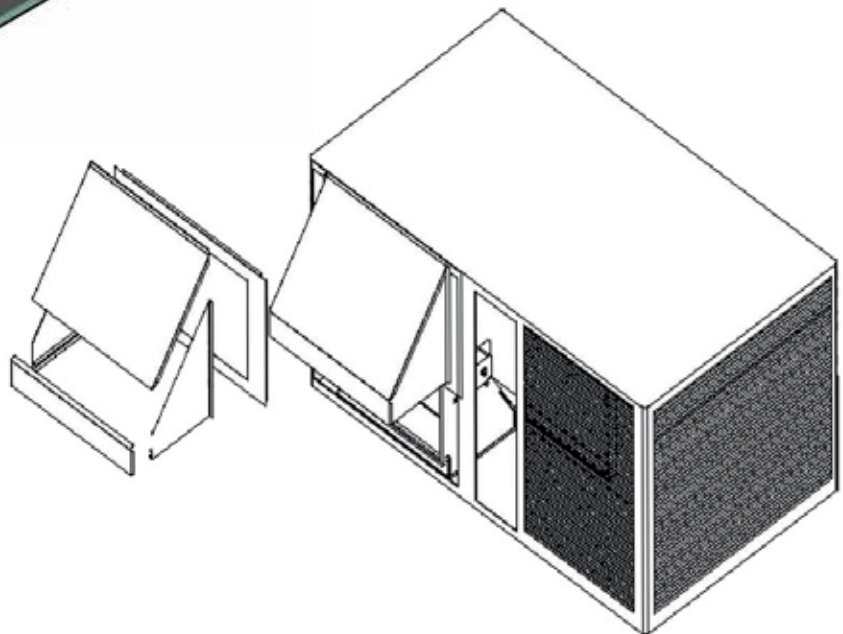
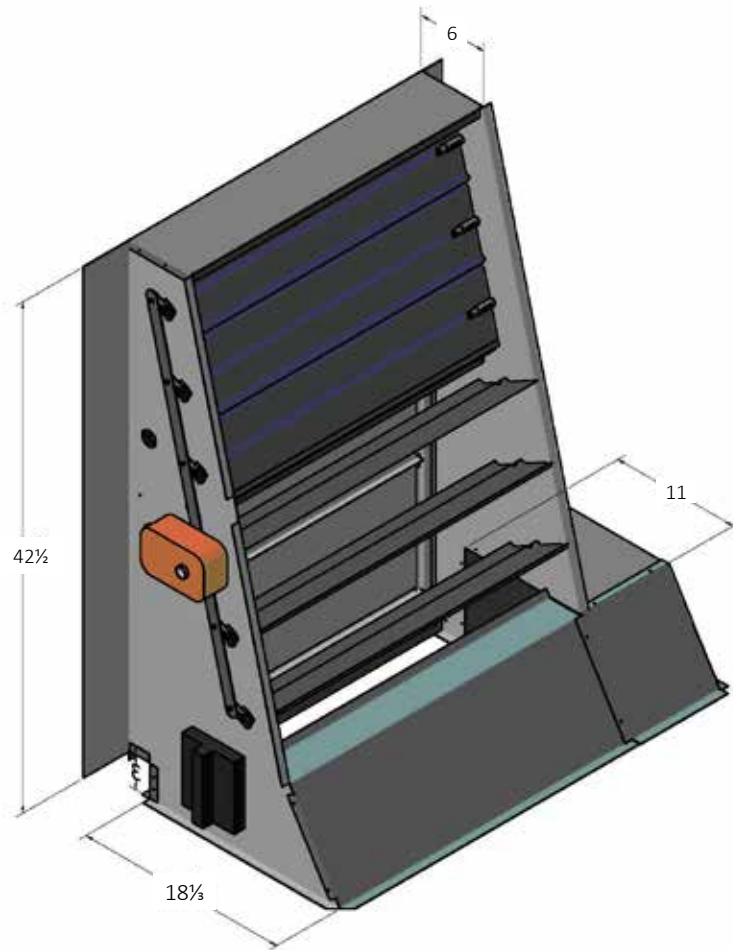
**7½ TON SQUARE-TO-ROUND —
#DNSQRRND90**

MANUAL FRESH AIR DAMPER — #D25MFD90150**MOTORIZED FRESH AIR DAMPER — #D25MFD90150****SPECIFICATIONS****Manual Damper**

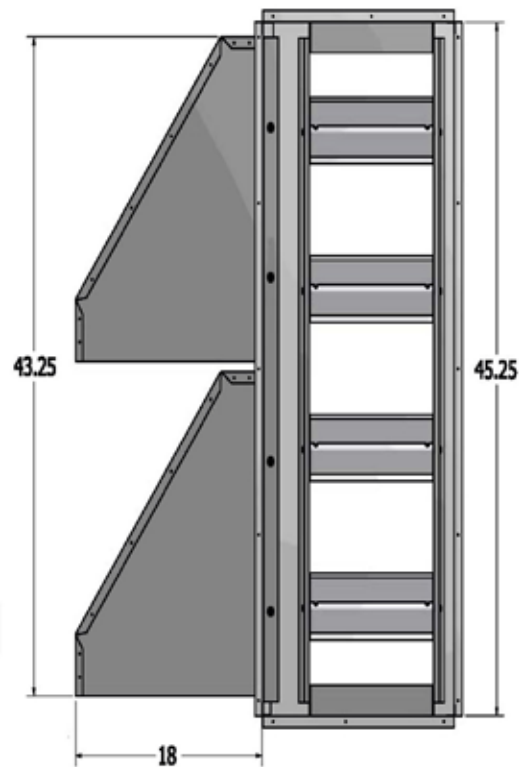
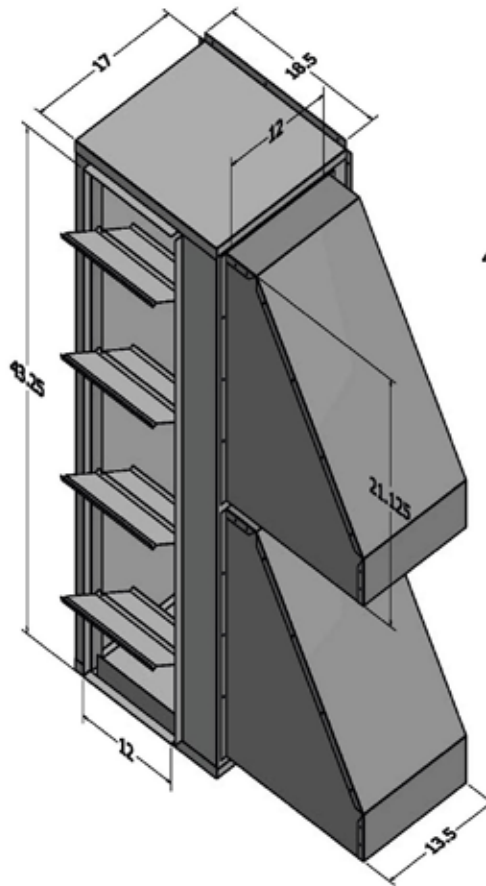
- Provides up to 25% fresh air
- Locking selection knob provides constant opening
- Painted to match the unit
- Fits all 7½ - 12½ ton package units in all fuels

Motorized Damper

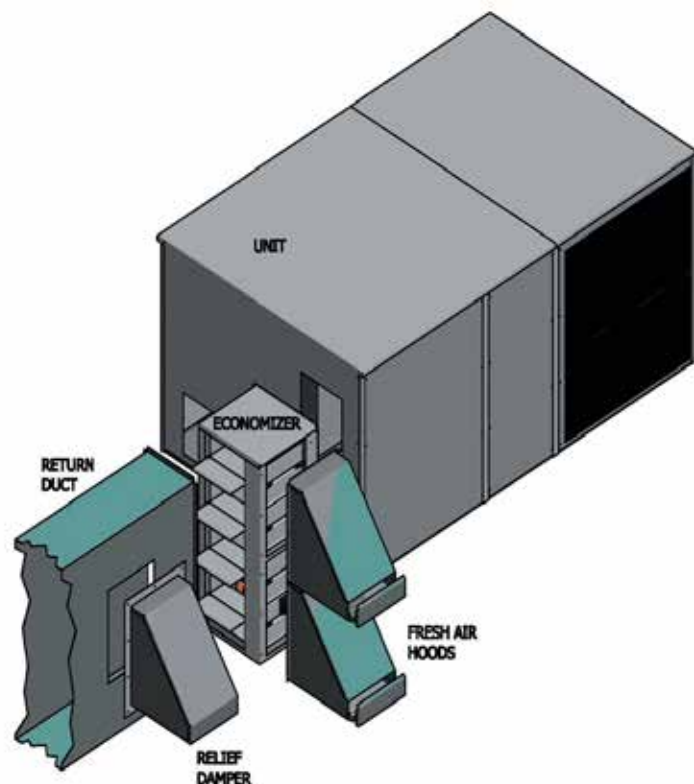
- 24 VAC Damper motor with spring return
- Fully assembled and factory wired
- Painted to match the unit
- Fits all 7½ - 12½ ton package units in all fuels

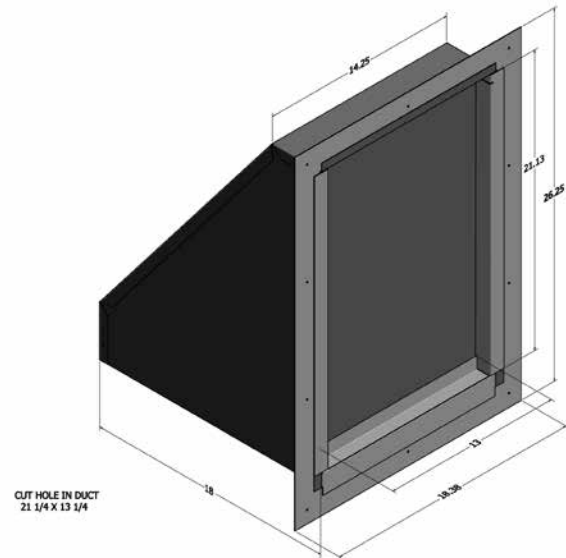
DOWNFLOW ECONOMIZER — #DDNECNJ90150B**SPECIFICATIONS**

- Fully modulating
- Up to 100% fresh air
- Integral barometric relief
- Hoods painted to match unit
- Honeywell economizer control
- Single adjustable enthalpy control convertible to dual enthalpy
- Adjustable minimum fresh air
- Factory wired
- Fits all 7 1/2 - 12 1/2 ton units

HORIZONTAL ECONOMIZER — #DHZECNJ90150**SPECIFICATIONS**

- Fully modulating
- Up to 100% fresh air
- Honeywell economizer control
- Single adjustable enthalpy control convertible to dual enthalpy
- Adjustable minimum fresh air
- Factory wired
- Fits all 7½ - 12½ ton units

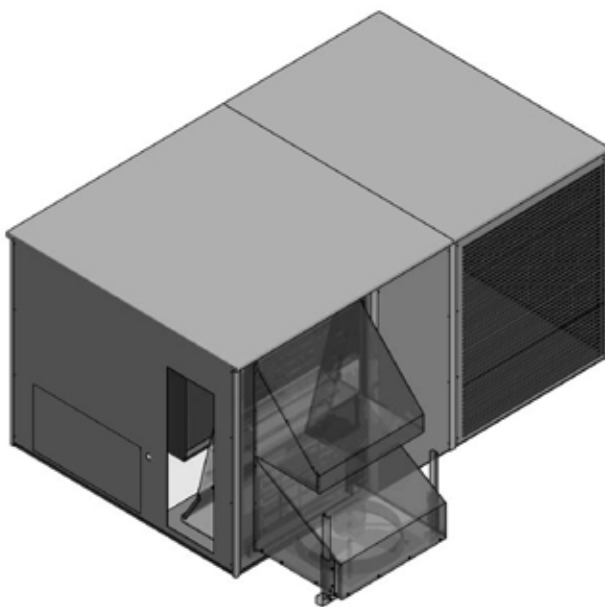


BAROMETRIC RELIEF DAMPER — #DBRD3672

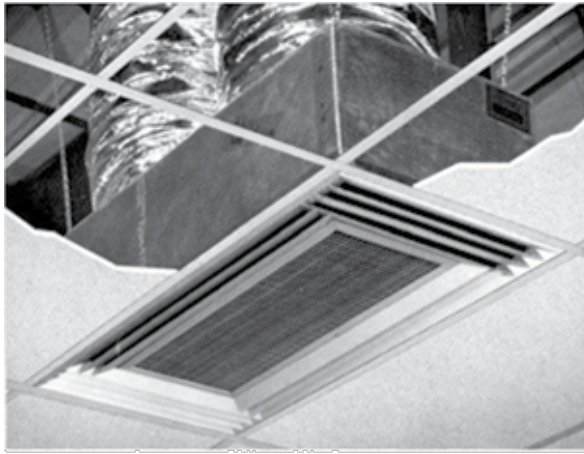
POWER EXHAUST FOR 208/230V UNITS — #DPE901502

POWER EXHAUST FOR 460V UNITS — #DPE901504

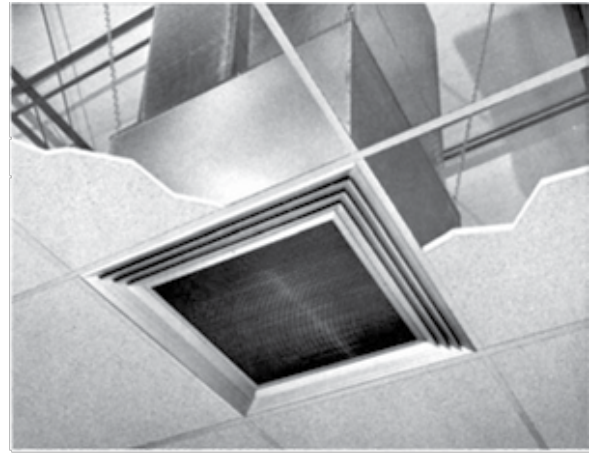
POWER EXHAUST FOR 575V UNITS — #DPE901507

**SPECIFICATIONS**

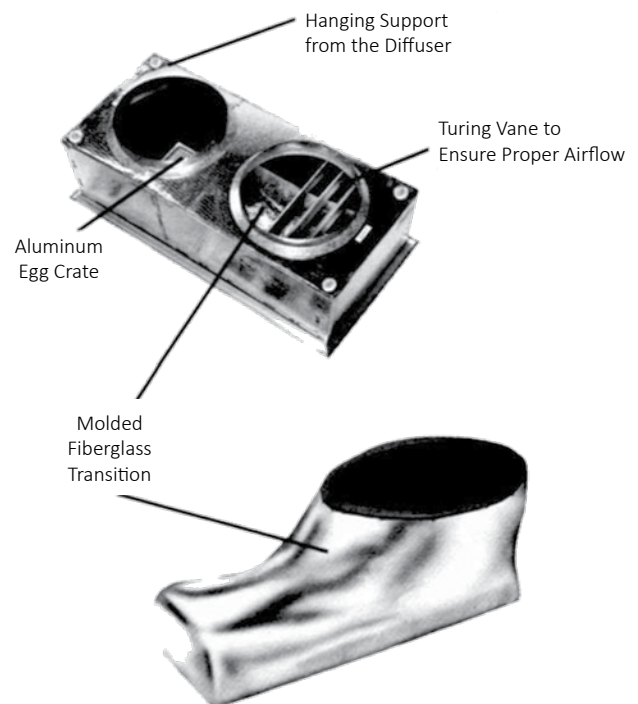
- Propeller type fans
- Used in conjunction with DPNECNJ90150B
- Up to 100% relief
- Replaces outside air/barometric relief hood.

CONCENTRIC DUCT KIT — #CDK90102 / #CDK120 / #CDK150

Light Commercial
T-Bar Ceiling



Commercial
T-Bar Ceiling

**SPECIFICATIONS**

- All-aluminum diffuser with aluminum return air egg crate
- Built-in anti-sweat gasket
- Molded fiberglass transition (through five tons)
- Built-in hanging supports
- Diffuser box constructed of fiberglass duct board (through 7½ tons) or sheet metal