

SLS part # 701624

System: 5 Ton Electric / Electric

**Cooling Performance**

Total gross capacity	56.7 MBH
Sensible gross capacity	37.5 MBH
Total net capacity	54.3 MBH
Sensible net capacity	35.1 MBH
Seasonal Efficiency (at ARI)	14.25 SEER
Efficiency (at ARI)	12.10 EER
Ambient DB temp.	95.0 °F
Entering DB temp.	80.0 °F
Entering WB temp.	67.0 °F
Leaving DB temp.	56.9 °F
Leaving WB temp.	54.8 °F
Power input (w/o blower)	3.68 kW
Sound power	84 dB(A)

**Refrigerant**

Refrigerant type	R-410A
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**Reheat Performance**

Ambient DB temp.	85 °F
Entering DB temp.	75 °F
Entering WB temp.	67 °F

**Heating Performance**

Entering DB temp.	60 °F
Heating output capacity (Max)	38.5 MBH
Nominal electric heat	15 kW
Applied electric heat	11.3 kW
Installed	Factory
Supply air	1500 CFM
Leaving DB temp.	83.8 °F
Air temp. rise	23.8 °F
Stages	2

**Supply Air Blower Performance**

Supply air	1500 CFM
Ext. static pressure	0.6 IWG
Addl. Unit Losses (Options/Accessories)	0.17 IWG
Blower speed	820 RPM
Max BHP of Motor (including service factor)	1.73 HP
Duct location	Bottom
Motor rating	1.50 HP
Actual required BHP	0.74 HP
Power input	0.69 kW
Elevation	0 ft.
Drive type	BELT

**Electrical Data**

Power supply	208-3-60
Unit min circuit ampacity	45.7 Amps
Unit max over-current protection	50 Amps

**Dimensions & Weight**

Hgt	42 in.	Len	89 in.	Wth	59 in.
Weight with factory installed options	904 lbs.				

**Clearances**

Right	12 in.	Front	36 in.	Back	36 in.
Top	72 in.	Bottom	0 in.	Left	36 in.

Note: Please refer to the tech guide for listed maximum static pressures



**5 Ton**

- Ideal Air DriFecta units are manufactured at an ISO 9001 registered facility and each rooftop is completely computer-run tested prior to shipment.

**Unit Features**

- Standard Cabinet with Composite Drain Pan
- 15 kW Factory Installed Electric Heat
- Unit Cabinet Constructed of Powder Painted Steel, Certified At 1000 Hours Salt Spray Test (ASTM B-117 Standards)
- Either supply and/or return can be field converted from vertical to horizontal configuration without cutting panels.
- Full perimeter base rails with built in rigging capabilities
- Reciprocating Compressor
- Unit Ships with 2" Throwaway Filters
- Solid Core Liquid Line Filter Driers
- Replacement Filters: 4 - (24" x 16"). Unit accepts 2" or 4" wide filters.
- Through-the-Curb and Through-the-Base Utility Connections
- Single Point Power Connection
- Short Circuit Current: 5kA RMS Symmetrical
- Micro-Channel "all-aluminum" condenser coil, Copper tube/aluminum fin evaporator coil
- Hinged Access Panels

**Standard Unit Controller: Simplicity Control Board**

- An Integrated Low-Ambient Control, Anti-Short Cycle Protection, Lead-Lag, Fan On and Fan off Delays, Low Voltage Protection, On-Board Diagnostic and Fault Code Display. Allows all units to operate in the cooling mode down to 0 °F outdoor ambient without
- Safety Monitoring - Monitors the high and low-pressure switches, the freezestats, the gas valve, if applicable, and the temperature limit switch on gas and electric heat units. The unit control board will alarm on ignition failures, safety lockouts and re

**BAS Controller**

- Simplicity SE Controller including Discharge Air, Return Air, and Outdoor Air Temperature Sensors

**Warranty**

- One (1) Year Limited Warranty on the Complete Unit
- Five (5) Year Warranty - Compressors and Electric Heater Elements

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Consolidated Drawing

- NOTES:
- FOR OUTDOOR USE ONLY.
  - WEIGHTS SHOWN ARE FOR COOLING ONLY UNITS.
  - MIN. CLEARANCES TO BE:
    - RIGHT SIDE: 12 [305]
    - LEFT SIDE: 36 [915]
    - FRONT: 36 [915]
    - REAR: 36 [915]
    - TOP: 72 [1830]

- TO REMOVE THE SLIDE-OUT DRAIN PAN, A REAR CLEARANCE OF 60 in (1525 mm) IS REQUIRED. IF SPACE IS UNAVAILABLE, THE DRAIN PAN CAN BE REMOVED THROUGH THE FRONT BY SEPARATING THE CORNER WALL.
- FOR SMALLER SERVICE AND OPERATIONAL CLEARANCES CONTACT YOUR APPLICATION ENGINEERING DEPARTMENT.
- DOWNFLOW DUCTS DESIGNED TO BE ATTACHED TO ACCESSORY ROOF CURB ONLY. IF UNIT IS MOUNTED SIDE SUPPLY, IT IS RECOMMENDED THAT THE DUCTS ARE SUPPORTED BY CROSS BRACES, AS DONE ON ACCESSORY ROOF CURBS.
- SIDE DUCT FLANGES ARE 0.75" HIGH.
- BOTTOM DUCTS DO NOT HAVE FLANGES.
- MINIMUM CONDENSATION TRAP HEIGHT SHALL BE 1.5 TIMES THE LOWEST NEGATIVE STATIC.
- DIMENSIONS IN [ ] ARE IN MILLIMETERS OR KILOGRAMS.
- OPTIONAL COIL GUARDS, POWER EXHAUST, GAS HEAT ECONOMIZER, DISCONNECT SWITCH, CONVENIENCE OUTLET, AND BAROMETRIC RELIEF & FRESH AIR HOODS SHOWN.
- DELETED.
- 8" TUBE HEAT EXCHANGER IS NOT AVAILABLE
- FOR 3 & 4 TON UNITS.

TONNAGE	U OPERATING WEIGHT (LBS) (BASE UNIT)	CENTER OF GRAVITY LOCATION (BASE UNIT)			4 POINT CORNER LOADS (LBS) (BASE UNIT)			
		X	Y		A	B	C	D
6.5	860 [390]	38 [965]	24 [610]	200 [911]	149 [68]	218 [99]	292 [133]	
7.5	880 [399]	38 [965]	24 [610]	205 [93]	153 [69]	223 [101]	299 [136]	
5	ZH 864 [393]	40 [1016]	26 [660]	210 [95]	171 [78]	217 [99]	266 [121]	
6.5 & 7.5	ZH 910 [413]	38 [965]	24 [610]	212 [96]	158 [72]	230 [104]	309 [140]	
5	ZJ 770 [349]	40 [1016]	24 [610]	172 [78]	141 [64]	205 [93]	251 [114]	
4	ZR 880 [399]	40 [1016]	26 [660]	214 [97]	174 [79]	221 [100]	271 [123]	
5	ZR 868 [394]	40 [1016]	26 [660]	211 [96]	172 [78]	218 [99]	267 [121]	
6.5	ZR 957 [435]	38 [965]	23 [584]	214 [97]	161 [73]	249 [113]	333 [151]	
7.5	ZR 965 [438]	38 [965]	23 [584]	216 [98]	161 [73]	251 [114]	337 [153]	
3	ZT 922 [418]	42.4 [1077]	24.7 [627]	202 [92]	184 [84]	255 [116]	281 [128]	
4	ZT 960 [436]	42.5 [1080]	25.5 [648]	217 [98]	198 [90]	260 [118]	285 [129]	
5	ZT 968 [439]	41.6 [1057]	25.5 [648]	223 [101]	196 [89]	257 [117]	293 [133]	

