

Job Name/Location:

Tag #:

Date:

For:  File  Resubmit

PO No.:

Approval  Other

Architect:

GC:

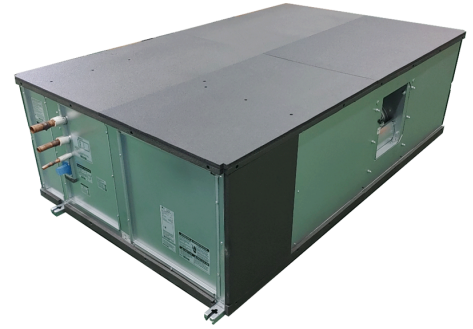
Engr:

Mech:

Rep:

(Company)

(Project Manager)



**ARND093DCR4**  
**Split Compact DOAS**  
 900 CFM Indoor Unit



**Performance:**

Total Cooling Capacity (Btu/h)	70,000
Heating Capacity (Btu/h)	40,000

Cooling Nominal Test Conditions: Outdoor: 95°F DB/75°F WB  
 Leaving Air: 52.9°F DB/52.5°F WB  
 Heating Nominal Test Conditions: Outdoor: 47°F DB/43°F WB  
 Leaving Air: 70°F DB/53.5°F WB

**Electrical:**

Power Supply (V/Hz/Ø)	208-230/60/1
MCA (A)	2.5
MOP (A)	15

MCA - Minimum Circuit Amps MOP - Maximum Overcurrent Protection

**Piping<sup>1</sup>:**

**Refrigerant:**

Liquid Line (in, OD)	3/8
High Pressure Vapor Line (in, OD)	5/8
Low Pressure Vapor Line (in, OD)	3/4

**Condensate:**

Condensate Pump Line (in, Plain)	1
Gravity Drain (in, OD)	1
Factory Installed Pump	Yes

**Reheat Coil:**

Heat Capacity (Btu/h)	13,000
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Test Conditions:  
 Entering Air Temperature: 54°F DB/53°F WB  
 Reheat Leaving Air Temperature: 75°F DB

**Accessories:**

- PACS5A000 AC Smart 5
- ZWPREHTR01 10kW Electric Preheater / Filter Box
- CA06C10000U 2 Year Parts Extended Warranty
- CA06C20000U 3 Year Parts Extended Warranty
- CA06C30000U 4 Year Parts Extended Warranty
- CA06C40000U 5 Year Parts Extended Warranty
- CA06C50000U 6 Year Parts Extended Warranty
- CA06C60000U 7 Year Parts Extended Warranty
- CA06C70000U 8 Year Parts Extended Warranty
- CA06C80000U 9 Year Parts Extended Warranty
- CA06C90000U 10 Year Parts Extended Warranty

**Operating Range<sup>2</sup>:**

Outdoor Temperature (°F DB)	14-122
Outdoor Temperature (°F WB)	14-78

**Unit Data:**

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Power dB(A)	60
Sound Pressure dB(A)	56
Filter Type	2" thick, MERV 8
Filter Quantity	2
Filter Panel Size	25" x 20" x 2"
Net Unit Weight (lbs)	342
Shipping Weight (lbs)	393

**Fan:**

Type	Sirocco
Quantity	1
Motor/Drive	ECM Direct
Airflow Rate (CFM)	900
External Static Pressure (in wg)	1.0

ECM - Electronically Commutated Motor

**Standard Features:**

- Main and recovery coils internally piped to factory installed heat recovery unit
- Factory mounted discharge air temperature sensor
- Factory installed AHU controller that can be directly connected to a PC, or connected to TCP/IP network for web access.
- Direct integration into BACnet® building automation systems
- Can be connected to AC Smart 5 and ACP 5

**Notes:**

- 1.Connection Rules:
  - Combination ratio should be 50%-110%
  - Cannot be combined with standard IDUs
  - Compatible with Multi V 5 Heat Recovery only
- 2.For outdoor design temperatures lower than 14°F, a field provided preheat coil or ERV can be installed upstream of the DOAS unit and interlocked to DOAS controls.
- 3.All communication cable to be minimum 18 AWG, 4-conductor, stranded, shielded and must comply with applicable local and national code.
- 4.Power wiring cable size must comply with the applicable local and national code.
- 5.This data is rated 0 ft above sea level, with 25 ft of refrigerant line per indoor unit and a 0 ft level difference between outdoor and indoor units.
- 6.Must follow installation instructions in the applicable LG installation manual.
7. Standard (1) year parts warranty.

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