

Date:

For:☐ File ☐ Resubmit
☐ Approval ☐ Other

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:
(Company)

(Project Manager)



ZRND203DCRA

R32 Split Compact DOAS, 2000 CFM



General:	
Outdoor Temperature Operating Range DB (Min.-Max.)	14 - 122
Outdoor Temperature Operating Range WB (Min.-Max.)	14 - 78
Performance:	
Heating Capacity (Nominal) (Btu/h)	59,900
Hot Gas Reheat Coil Capacity (Btu/h)	30,000
Total Cooling Capacity (Btu/h)	143,100
Electrical Characteristics:	
MCA (A)	7.5
MOP (A)	15
Power Supply (V,HZ,PH)	208-230/60/1
Refrigeration:	
High Pressure Vapor Piping Size (in.)	7/8
Low Pressure Vapor Piping Size (in.)	1-1/8
Liquid Piping Size (in.)	1/2
Refrigerant Type	R32
Refrigerant Control	EEV
Condensate:	
Factory Installed Pump	Yes
Condensate Pump Line Size	1
Gravity Drain Size	1
Fan:	
Motor/Drive	ECM/Direct
Fan Type	3D Plug
Quantity	1
Air Flow Rate	2,000
External Static Pressure (in wg)	1.5
Weight:	
Unit Net Weight (lbs)	403
Unit Shipping Weight (lbs)	443

Air Filtration:	
Filter Panel Size	25" x 20" x 2"
Filter Type	2" thick, MERV 8
Filter Quantity	2
Sound:	
Sound Pressure: Cooling Mode (dB(A))	54
Sound Power Cooling (dB(A))	72
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 integraon into BACnet® building automation systems. (BACnet is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers [ASHRAE]) • Can be connected to AC Smart 5 and / or ACP 5. • R32 leak detection sensor.	
Optional Accessories:	
☐ 10 KW Electric preheater/Filter Box for Split Compact DOAS - ZWPREHTR01	
Controller Options:	
☐ ACP 5 - PACP5A000	
☐ AC Smart 5 - PACS5A000	
Notes:	
1. Cooling Nominal Test Conditions: Outdoor: 95°F DB / 75°F WB; Leaving Air: 52.9°F DB / 52.5°F WB.	
2. Heating Nominal Test Conditions: Outdoor: 47°F DB/43°F WB; Leaving Air: 70°F DB / 53.5°F WB.	
3. Reheat Coil Heat Capacity Test Conditions - Entering Air Temperature: 54°F DB / 53°F WB; Reheat Leaving Air Temperature 75°F DB.	
4. Connection Rules:	
- Combination ratio should be 50% to 110%.	
- Cannot be combined with standard indoor units.	
- Compatible with R32 Multi V i Heat Recovery only	
5. For outdoor design temperatures lower than 14°F, a field-provided reheat coil or ERV can be installed upstream of the DOAS unit and interlocked to DOAS controls.	
6. Communication cable from the DOAS unit to the Main Outdoor Unit is field supplied, and is to be minimum 18 AWG x 4-conductor wires, twisted, stranded, shielded and must comply with all applicable local and national codes. Ensure the communication cable is properly grounded at the Main Outdoor Unit only. Do not ground the outdoor unit to DOAS unit communication cable at any other point.	
7. If an ACP and / or AC Smart is / are connected to the DOAS, both need field-supplied communication cable that is / are a minimum 18 AWG x 2-conductor, twisted, stranded, shielded that complies with all applicable local and national codes.	
8. Power wiring must comply with applicable local, state, national codes.	
9. This data is rated 0 feet above sea level, with 25 feet of refrigerant line per DOAS unit and a 0 feet level difference between outdoor and DOAS units.	
10. Must follow installation instruction in the applicable LG installation manual.	
11. Do not locate the Split Compact DOAS product in an unconditioned space where the relative humidity level of the surrounding air could exceed 60% RH. Temperature range in the mounted location must be maintained between 55°F and 90°F DB.	

Job Name/Location: _____

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ZRND153DCRA, ZRND203DCRA

[Unit : Inch(mm)]

