

Job Name/Location:

Tag #:

Date:

For: File Resubmit

PO No.:

Approval Other _____

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

ARUB154BT2 (a) ARUB076BT2
Multi V™ Sync II (b) ARUB076BT2
12.5 Ton Outdoor Unit



Performance:

Cooling Mode:

Capacity (Btu/h)	152,900
Capacity (tons)	12.5
Power Input (kW)	12.4

Heating Mode:

Capacity (Btu/h)	172,000
Power Input (kW)	14.0

Cooling Nominal Test Conditions:
 Indoor: 80°F DB /67°F WB
 Outdoor: 95° DB

Heating Nominal Test Conditions:
 Indoor: 70°F DB
 Outdoor: 47°F DB /43°F WB

Electrical:

	(a) ARUB076BT2	(b) ARUB076BT2
Power Supply (V/Hz/Ph)	208-230/60/3	208-230/60/3
MOP (A)	55	55
MCA (A)	38	38
Rated Amps (A)	33.1	33.1
Compressor A (A)	12.0	12.0
Compressor B (A)	18.7	18.7
Fan Motor (A)	2.4	2.4
Max Starting Current (A)	126.6	126.6

Piping:

	(a) ARUB076BT2	(b) ARUB076BT2
Refrigerant Charge (lbs)	17.6	17.6
Liquid Line (in, OD)	3/8 Flare	3/8 Flare
Vapor Line High (in, OD)	5/8 Braze	5/8 Braze
Vapor Line Low (in, OD)	3/4 Braze	3/4 Braze

Standard Features:

- Limited Warranty with LG Certified Installation
 - Two Year Functional Parts Warranty
 - Additional Four Year Compressor Warranty
- Black Box Function
- Night Quiet Operation
- Fault Detection and Diagnosis

Operating Range:

Cooling (°F DB)	23 - 110
Heating (°F WB)	-4 - 60
Synchronous (°F DB)	14 -81

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Max Num of Indoor Units ¹	26
Sound Pressure ² dB(A)	61
Net Unit Weight (a) + (b) (lbs)	628 + 628
Shipping Weight (a) + (b) (lbs)	664 + 664
Communication Cable (No. x AWG)	
Outdoor to Indoor ³	2 x 18
Outdoor to Outdoor ⁴	2 x 18
Heat Exchanger Coating	GoldFin™

Compressor:

Inverter Scroll Quantity	2
Constant Scroll Quantity	2
Oil / Type	PVE/FVC68D

Fan:

Type	Propeller
Fan Quantity (a) + (b)	2 + 2
Motor/Drive	Brushless Digitally Controlled/Direct
Fan Air Flow Rate (a) + (b) (CFM)	6,700 + 6,700

Notes:

- 1.The combination ratio must be between 50-130%.
- 2.Sound pressure levels are tested in an anechoic chamber under Korea Standard KSA0701 for the combination of outdoor units.
- 3.All communication cable to be minimum 18 AWG, 2-conductor, stranded, shielded and must comply with applicable local and national code. Cables terminate at each frame.
- 4.All communication cable to be minimum 18 AWG, 2-conductor, stranded and must comply with applicable local and national code. Cables terminate at each frame.
- 5.The data mentioned in the above tables is applied with non-ducted indoor units.
- 6.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. All capacities are net with a combination ratio between 95 – 105%.
- 7.The voltage tolerance is ± 10%.
- 8.Power wiring cable size must comply with the applicable local and national code. Cables terminate at each frame.
- 9.Requires ARCNB20 connecting branch pipes to connect components.



ARUB154BT2
 Multi V™ Sync II
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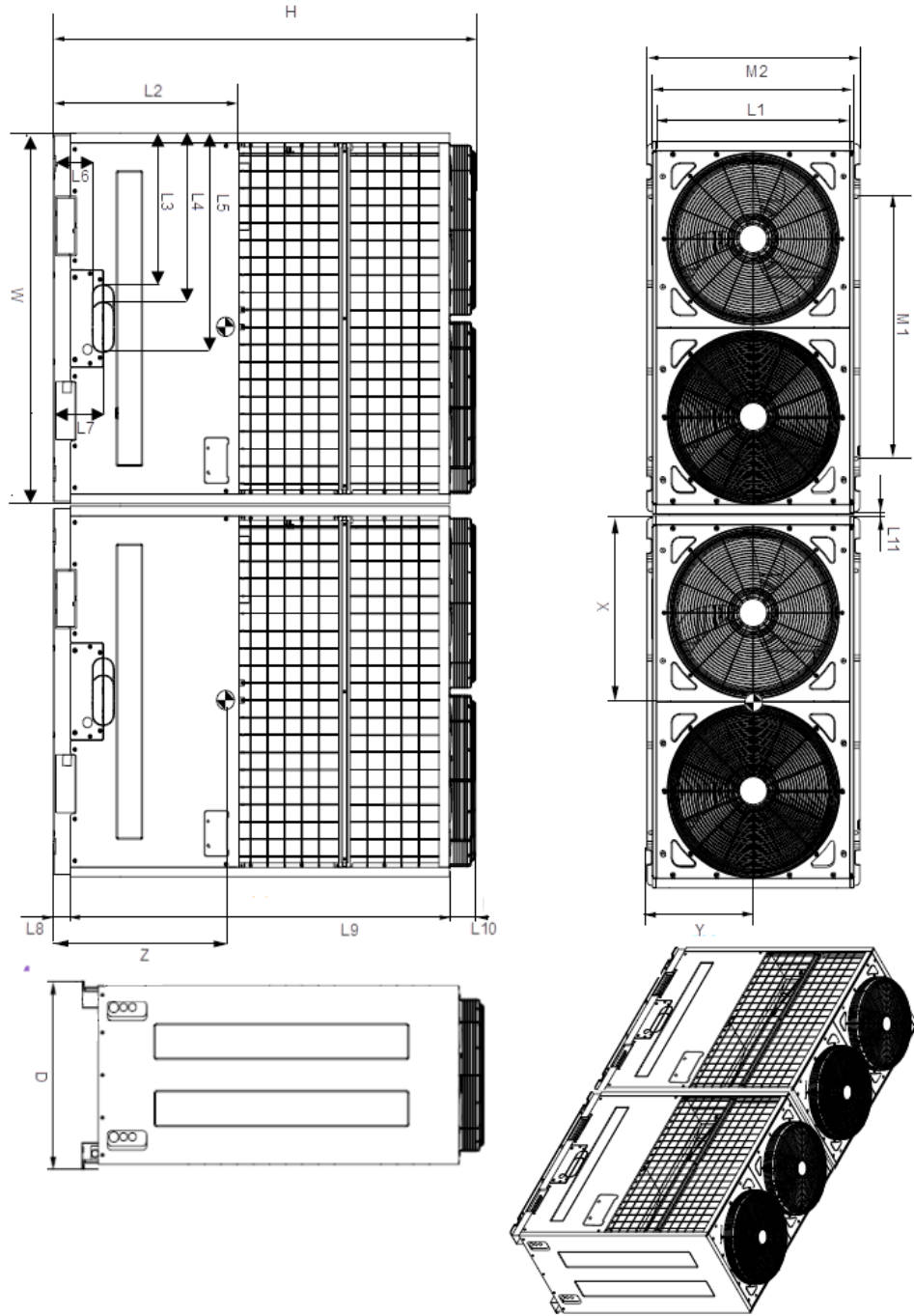
(a) ARUB076BT2
 (b) ARUB076BT2



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Center of Gravity

(a) ARUB076BT2 (b) ARUB076BT2

X	21-3/4	21-3/4
Y	12	12
Z	21-5/16	21-5/16

= Center of gravity

W	50-3/8
H	63-5/16
D	28-11/16
L1	27-3/8
L2	27-11/16
L3	20-5/8
L4	23
L5	29-7/8
L6	7-3/8
L7	5-7/8
L8	3-3/16
L9	56-1/8
L10	3-7/8
M1	35-7/16
M2	27-9/16

Note - All dimensions have a tolerance of ± 0.25 in.