

SUBMITTAL DATA SHEET

Coolerado C60 Air Conditioner



JOB NAME:			LOCATION:		
PURCHASER:			ORDER NO:		
ENGINEER:					
SUBMITTED TO:		FOR:	REF:	APPROVAL:	CONSTRUCTION:
SUBMITTED BY:			DATE:		
UNIT DESIGNATION:			SCHEDULE NO:	MODEL NO:	

Cooling Performance

Outdoor Design Temperature . . . _____ °F DB/WB
Elevation Above Sea Level _____ FT
Intake Air External Static Pressure _____ IWG
Intake Air Flow _____ CFM
Conditioned Air Ext. Static Pressure . . . _____ IWG
Total Conditioned Air @ Full Speed . . . _____ CFM
Conditioned Air Temperature (+/- 2) . . . _____ °F DB
Conditioned Air Added Humidity NONE °F DP
Working Air External Static Pressure . . _____ IWG
Working Air Flow _____ CFM

Electrical Data

Power Input Requirement _____ W
Power Supply . . _____ HZ _____ Phase _____ V
Total Unit Ampacity _____ AMPS
Max. Overcurrent Device . Fuse Breaker _____ AMPS

Total Unit Weight

Dry (shipping) Weight 420 LBS
Operating Weight 480 LBS

Water

Source Municipal Well _____ Other
Water Quality _____ Total Alkalinity
Drain . . Sanitary Storm Landscape _____ Other
Wtr Cntrl Assmblly Location . Mech Rm _____ Other

Configuration

 Indoor Outdoor
Working Air Connections . . . L Side R Side Top
Conditioned Air Connection (end only) . _____ Size

Factory Options

200-280V, 50-60Hz, 750W max., 3.8Amp, EC Motor
Variable Speed Thermostat (low voltage, 4 conductors)
Insulated Product Air Plenum
Working Air Louver(s), Replaces Side Access Panel(s) . . 1 . . 2

Other Options (contact distributor)

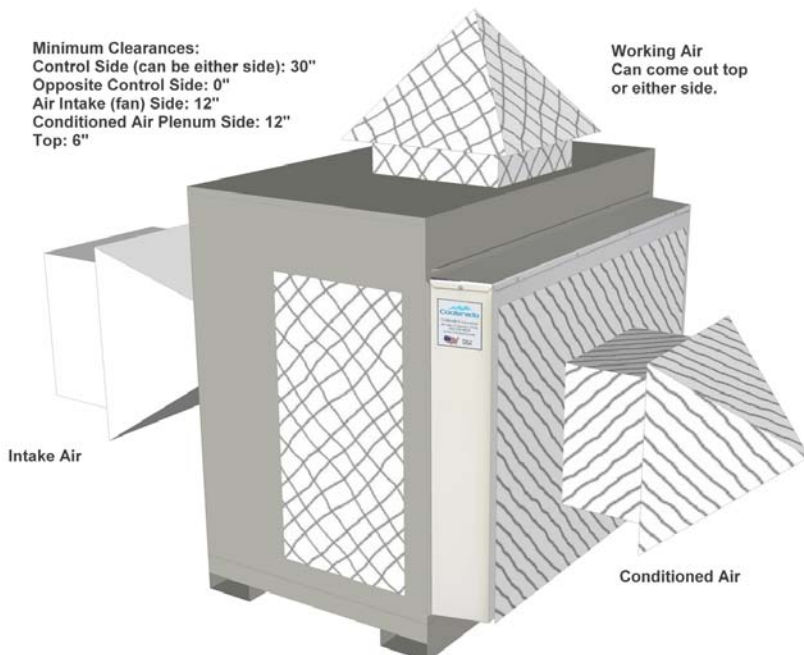
Single Speed Thermostat
Working Air Balancing Damper
Pressure Relief Damper (flat to 45°) (fully open at 0.2 IWG)
Barometric Damper (45° to vertical) (fully open at 0.2 IWG)
Intake Air Roof Ventilator Hood (24" diameter)
Working Air Roof Ventilator Hood (18" diameter)
Roof Hood Extension Kit
Flat Roof Curb
Sloped Roof Air Conditioner Mounting Kit
Spare Air Filters
Freeze Sensor and Automatic Drain Kit
Water Overflow Catch Pan
Un-dissolved Solids Filtration (5 micron, 9" cartridge filter)

Standard Features

- 5 year limited warranty.
- EER 40+ (Energy Efficiency Ratio)
- Cooling capacity increases as ambient temperature increases.
- Easy maintenance, simple winterization.
- Low water use – water control assembly with pressure gauge included.
- New, patented thermodynamic cycle.
- 304 stainless steel pan, frame, and internal components.
- Electro-galvanized and powder coated steel housing.
- All electrical and water connection can be interchanged to either side.
- Easy to connect power/control wiring.
- Integrated control module for reliable, economical operation.
- Patented, high technology, polypropylene heat and mass exchanger.
- Biocide integrated into poly mass exchange fibers.
- Removable panels - greater durability, ease of access.
- No chemical refrigerants or ozone depleting chemicals.
- No humidity added or removed.
- Fresh, outside air for better indoor air quality (IAQ).
- Filtered air with reduced dust, pollens and allergens.
- No tool air filters access.
- Uses standard size 1" or 2" thick air filters.
- Tapered intake air plenum for fan efficiency and even air distribution.
- Starting collar molded into fan intake venturi for easy duct connection.
- Product air plenum provided – accommodates most any size, shape, duct.
- Optional factory working air louver can be mounted in side access panel.
- Compact, easy to install, ideal height 42" cabinet.
- Unit breaks down into 3 sections – fits in between 24" wide opening.
- Optional high efficient, electronically commutated motor (ECM) available.
- Optional auto-variable speed thermostat available (with ECM option).
- Top 100 products of 2004 as selected by R&D 100 committee.
- GreenSpec® Listed as 2006 Top 10 Green Building Products.

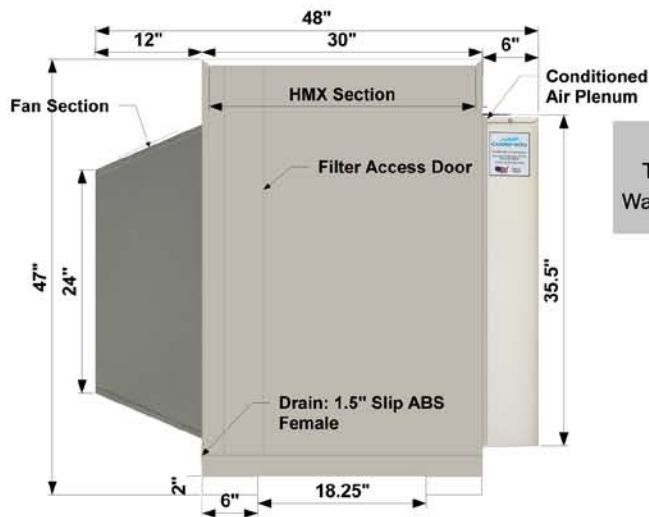
External Static Pressure (Inches H2O)	Full Speed Product Air Flow (CFM)	Product Air Wet Bulb Approach	Product Approx. Wet Bulb Plus T	Working Air Flow (CFM)
0.0	1,670	94%	2	1,320
0.1	1,580	95%	2	1,260
0.2	1,490	96%	1	1,200
0.3	1,400	98%	1	1,140
0.4	1,310	100%	0	1,070
0.5	1,220	103%	-1	1,010
0.6	1,130	107%	-2	940
0.7	1,040	110%	-3	870
0.8	950	113%	-4	800
0.9	860	117%	-5	730
1.0	770	120%	-6	670

Example: Design 98 DB / 62 WB, 0.1" ext. static, 98 - 62 = 36, 36 * 0.95 = 34.2, 98 - 34.2 = 63.8 °F
Product Air Temperature ≈ Design WB + 2 = 64 °F

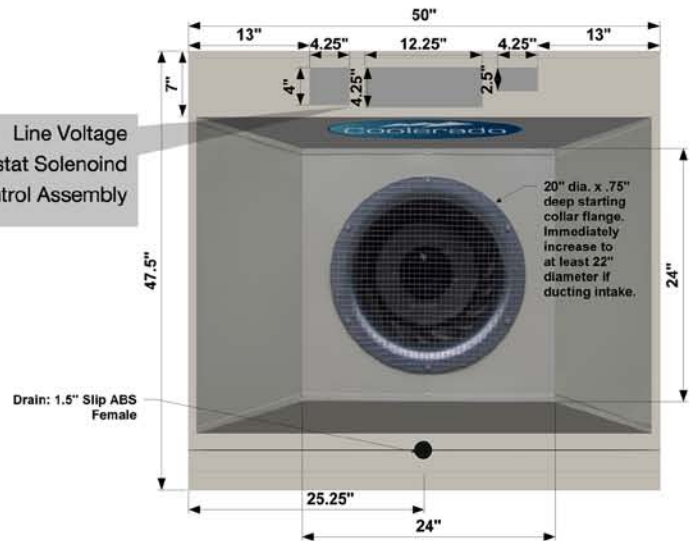


Optional Auto-Variable Speed Thermostat
Surface Mounted – 3.5"W x 5"H x 1.25"D
Requires 4 Low Voltage Conductors

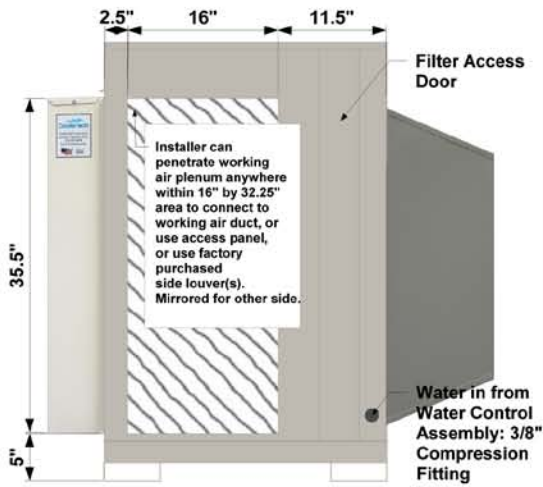
Coolerado C60



Right Side View

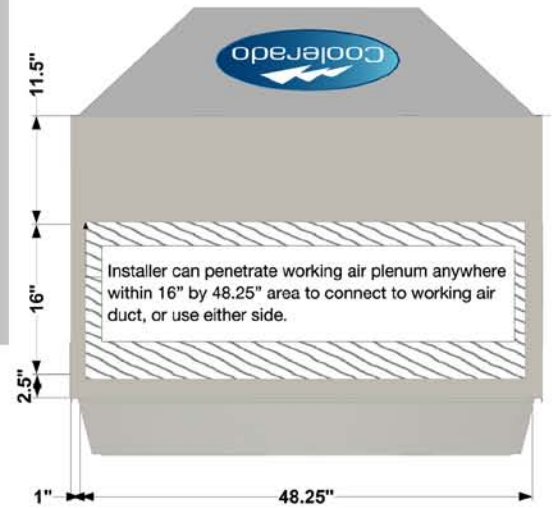


Fan Side View

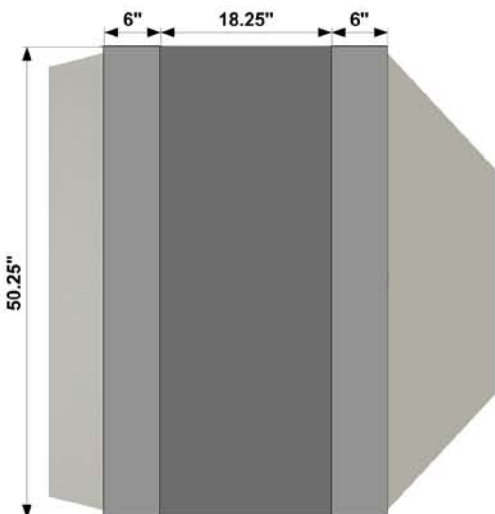


Left Side View

Note: Working air is saturated and water will collect in duct connected to working air section. Slope duct drain back into air conditioner, or to appropriate outside location. Avoid low spots in working air ducts.



Top View



Feet View



Conditioned Air Plenum View