

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 375 LBS
 Operating Weight 475 LBS

Water

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

Configuration

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

Factory Options

120V Motor, 60Hz, 1,250W, 10.5Amp, Single Speed Motor
 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
 Outdoor Air Intake Rain Hood

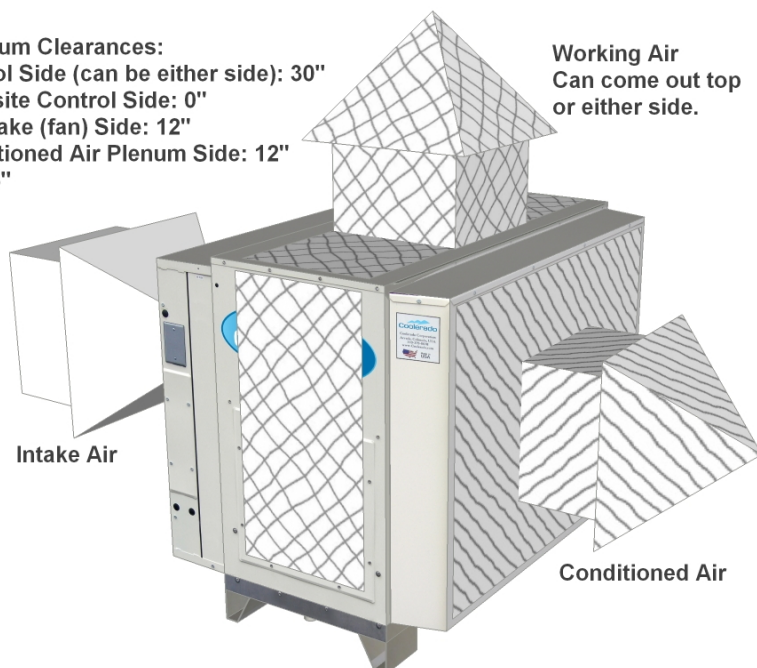
Other Options (contact distributor)

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.

Minimum Clearances:
 Control Side (can be either side): 30"
 Opposite Control Side: 0"
 Air Intake (fan) Side: 12"
 Conditioned Air Plenum Side: 12"
 Top: 6"



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 \approx Design WB + 2 = 64 °F



Optional Auto-Variable Speed Thermostat
 Surface Mounted – 3.5" W x 5" H x 1¼" D
 Requires 4 Low Voltage Conductors

Coolerado C60

