

Item	Description	Increased Cost Estimate	Difficulty Level			Comments
			Low	Medium	High	
1.1	Condenser mfr., model, & serial #					Verification by A/C contractor during install
1.2	Evaporator mfr., model, & serial #					Verification by A/C contractor during install
1.3	ARI reference number					Look up in the ARI Manual / Online
2.1	Heat gain calculation method compliant with Manual J or equivalent, using the following assumptions?					Need to have A/C Contractor or Mechanical Engineer run Manual J
2.1.1	Outdoor design temperature					Use 2.1.1 a or b (must use ASHREA Handbook for Numbers)
2.1.1.a	99.0% design as published in ASHRAE Handbook of Fundamentals, OR					If 2.1.1.b is taken, then N/A
2.1.1.b	Based on prevailing local practice reflecting documented weather data					If 2.1.1.a is taken, then N/A
2.1.2	Indoor set point at 75°F					Include during design
2.1.3	Infiltration rate set at 'tight'					Include during design
2.2	Duct design method compliant with Manual D or Equivalent					Verify during design and install
2.3	Equipment specification method compliant with Manual S or equivalent					Need to have A/C Contractor or Mechanical Engineer run Manual S
2.4	Terminal design method compliant with Manual T or equivalent					Need to have A/C Contractor or Mechanical Engineer run Manual S
2.5	In warm, humid counties in Climate Zones 1-3, equipment's sensible heat ratio ≤ 0.70 or stand-alone ENERGY STAR qualified dehumidifier installed					N/A if Climate Zone 4 and above
2.6	Corrosion-resistant drain pan, properly sloped to drainage system					Verification by A/C contractor during install
3.1	ARI certificate attached?					Verification by A/C contractor during install
4.1	Latent heat gain (Btu/h):					Verification by A/C contractor during install within 5%
4.2	Sensible heat gain (Btu/h):					Verification by A/C contractor during install within 5%
4.3	Total heat gain (Btu/h):					Verification by A/C contractor during install within 5%

Item	Description	Increased Cost Estimate	Difficulty Level			Comments
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5.1	Airflow at evaporator (CFM)					Verification by A/C contractor during install
5.2	Duct static pressure - supply (WC)					Verification by A/C contractor during install
5.3	Duct static pressure - return (WC)					Verification by A/C contractor during install
5.4	Fan motor type (fixed speed, variable speed)					Verification by A/C contractor during install
5.5	Fan speed setting (CFM)					Verification by A/C contractor during install
6.1	Refrigerant type (R-22, R-410a)					Verification by A/C contractor during install
6.2	Metering device (TXV, fixed orifice)					Verification by A/C contractor during install
6.3	Return air temp. (°F dry bulb/ °F wet bulb)					Verification by A/C contractor during install
6.4	Supply air temp. (°F dry bulb/ °F wet bulb)					Verification by A/C contractor during install
6.5	Outdoor ambient air temp. at condenser (°F dry bulb)					Verification by A/C contractor during install
6.6	Liquid line temperature & pressure (°F / psi)					Verification by A/C contractor during install
6.7	Suction line temperature & pressure (°F / psi)					Verification by A/C contractor during install
6.8	Condensing temperature (°F)					Verification by A/C contractor during install
6.9	Evaporating temperature (°F)					Verification by A/C contractor during install
6.10	For <i>non-Lennox TXV devices</i> : Subcooling temp. (condensing temp-liquid line temp)					Verification by A/C contractor during install
6.11	For <i>Lennox TXV devices</i> : Approach temp. (liquid line temp-outdoor ambient temp)					Verification by A/C contractor during install
6.12	For <i>fixed orifice devices</i> : Superheat temp. (suction line temp-evaporating temp)					Verification by A/C contractor during install