

Step 1 - Calculate Supply & Return CFM Capacity of Existing Duct

Step 2 - Confirm SqFt of Home (Auditors Website)

Step 3 - Calculate Ideal BTUH / Cooling Tonnage / Blower Size

a. **Heating BTU** = 1.08 x (Supply CFM) x 55

b. **Cooling Tonnage** = (Supply CFM) / 400

Step 4 - Use the correct chart to select equipment for BTUH, Cooling Tonnage, & Blower Size

*****Complete Steps 1-4 before you call a supervisor for guidance*****

Conditioned Space Equipment Location

Home Size Sqft	Cooling Size	Heating Size			Return Drop
		ICP 80%	Amana 80%	All 90%	
1400 and Below	2 Ton	45K BTU	40K BTU	40K BTU	24 X 8
1400 to 1800	2.5 Ton	70K BTU	60K BTU	60K BTU	
1800 to 2200	3 Ton	70K BTU	80K BTU	60K BTU	24x8 (4" Filter)
2200 to 2700	3.5 Ton	90K BTU	80K BTU	80K BTU	24x10 (4" Filter)
2700 to 3500	4 Ton	110K BTU	100K BTU	100K BTU	24x12 (4" Filter)
3500 +	5 Ton	135K BTU	120K BTU	120K BTU	24x12 (2x) (4" Filter)

Attic Equipment Location

Home Size Sqft	Cooling Size	Heating Size			Return Drop
		ICP 80%	Amana 80%	90%	
1400 and Below	2.5 Ton	70K BTU	60K BTU	N/A	24x8
1400 to 1800	3 Ton	70K BTU	80K BTU	N/A	
1800 to 2200	3.5 Ton	90K BTU	80K BTU	N/A	24x10 (4" Filter)
2200 to 2700	4 Ton	90K BTU	100K BTU	N/A	
2700 to 3500	4 Ton	110K BTU	120K BTU	N/A	24x12 (4" Filter)
3500 +	5 Ton	135K BTU	120K BTU	N/A	24x12 (2x) (4" Filter)

Crawlspace Equipment Location

Home Size Sqft	Cooling Size	Heating Size			Return Drop
		ICP 80%	Amana 80%	90%	
1400 and Below	2.5 Ton	70K BTU	60K BTU	60K BTU	24x8
1400 to 1800	3 Ton	70K BTU	60K BTU	60K BTU	
1800 to 2200	3.5 Ton	90K BTU	80K BTU	80K BTU	24x10 (4" Filter)
2200 to 2700	4 Ton	90K BTU	100K BTU	100K BTU	
2700 to 3500	4 Ton	110K BTU	120K BTU	100K BTU	24x12 (4" Filter)
3500 +	5 Ton	135K BTU	120K BTU	120K BTU	24x12 (2x) (4" Filter)

Downflow (Slab House) Equipment Location

Home Size Sqft	Cooling Size	Heating Size			Return Drop
		ICP 80%	Amana 80%	90%	
1400 and Below	2 Ton	45K BTU	40K BTU	40K BTU	24x8
1400 to 1800	2.5 Ton	45K BTU	40K BTU	40K BTU	
1800 to 2200	3 Ton	70K BTU	60K BTU	60K BTU	24x8 (4" Filter)
2200 to 2700	3.5 Ton	70K BTU	60K BTU	60K BTU	24x10 (4" Filter)
2700 to 3500	4 Ton	90K BTU	80K BTU	80K BTU	
3500 +	5 Ton	110K BTU	100K BTU	100K BTU	24x12 (2x) (4" Filter)

Downflow (Duct in Crawlspace) Equipment Location

Home Size Sqft	Cooling Size	Heating Size			Return Drop
		ICP 80%	Amana 80%	90%	
1400 and Below	2 Ton	45K BTU	40K BTU	40K BTU	24x8
1400 to 1800	2.5 Ton	70K BTU	60K BTU	60K BTU	
1800 to 2200	3 Ton	70K BTU	80K BTU	60K BTU	24x8 (4" Filter)
2200 to 2700	3.5 Ton	90K BTU	100K BTU	80K BTU	24x10 (4" Filter)
2700 to 3500	4 Ton	110K BTU	100K BTU	100K BTU	
3500 +	5 Ton	135K BTU	120K BTU	120K BTU	24x12 (2x) (4" Filter)