



Fill in all blanks, with the measured data, relative to the MODE of operation. Draw the position of the reversing valve side on the schematic.

CONTENT OF AIR (BTUH / lb of Dry Air; 1 CFM = 4.5# of Dry		
°F Wb	0	0.5

ELECTRICAL:	Refrigerant:	AIRFLOW:	
Compressor:	Line Size: Suct: _____ in.	D Blwr Flash Rate	51 20.86 21.15
Ohms Run to Common:	Liq: _____ in.	Return Air Static	52 22.02 22.3
Ohms Start to Common:	Length _____ ft.	Supply Air Static	53 22.62 22.92
Ohms Run to Start:	Number of elbows _____	Total Static Press	54 23.22 23.52
No Load Volts:	EQUIP. LOCATION:	BTU (For airflow):	55 23.84 24.15
Full Load Volts:	OD above-below ID _____	BTU = Aux Htr Amps x Actual volts x 3.41	56 24.48 24.79
Full Load Amps:	Vertical Separation _____ ft.		57 25.12 25.45
RUN CAP Mfd	ID Flow Control:	CFM:	58 25.78 26.12
START CAP Mfd	FCCV Size _____	CFM = BTU (above) / 1.08 x Db delta T	59 26.46 26.81
START CIRCUIT OK?	TXV check ok? _____		60 27.15 27.48
Outdoor Motor:	Superheat @ OD unit _____	PLEASE NOTE: Actual capacity should be within 10% of rated capacity.	61 27.85 28.21
Fan CAP Mfd	Driers:	Capacity from Product Data:	62 28.57 28.94
Full Load Amps If VS - OD MTR:	Suction Drier installed? _____	Sensible BTUH:	63 29.31 29.68
BL TO YL @ MTR	OEM Liq Driers removed? _____	Total BTUH:	64 30.06 30.45
Controls:	Bi-flow Driers installed? _____	Calculated Capacity:	65 30.83 31.23
Voltage: _____		Sensible BTUH:	66 31.62 32.01
DEFROST LED FLSH RATE _____ /sec		1.08 x Actual Airflow x Delta T Db	67 32.42 32.84
		Total BTUH:	68 33.25 33.67
		4.5 x Actual Airflow x Inlet Wb Enthalpy - Outlet Wb Enthalpy (See chart on right).	69 34.09 34.51
			70 34.94 35.4
			71 35.83 36.27
			72 36.74 37.21
			73 37.66 38.14
			74 38.61 39.09
			75 38.61 39.09
			76 39.57 40.07
			77 40.57 41.08
			78 41.58 42.1
			79 42.62 43.15
			80 43.69 44.24
			81 44.78 45.34
			82 45.9 46.47

Additional Service Procedures are available in *Heat Pump Defrost Controls, Refrigerant Piping, Compressor Service, ECM Motors, and Service Procedure Manuals* published by Trane/American Standard. All of these procedures are intended to serve as a general guideline and cannot resolve all diagnostic problems but are intended to address the most common problems.