

A5NGN & A5NGBB (back-to-back) Specifications

Specifications are subject to change without notice

Alpine Series Glass Door Merchandisers for Medium Temperature Products

REFRIGERATION DATA:

MODEL	CASE LENGTH	CASE USAGE	DOOR TYPE	CAPACITY (BTUH / DR) ¹		EVAPORATOR (°F) ²	UNIT SIZING (°F)	DISCHARGE AIR (°F)	AVG. REF. CHARGE (LBS/DR) ³
				PARALLEL	CONVENTIONAL				
A5NGN	ALL	MED TEMP	ANTHONY 101	810	875	28°	26°	33°	1.5
A5NGN	ALL	MED TEMP	ANTHONY ELM	670	724	28°	26°	33°	1.5

Refrigeration Footnotes:

- Capacity data listed are for cases with SSC / ECM fan motors and T8 electronic vertical lighting on a parallel rack system. T8 lights should remain on at all times (24 hours) for best operation.
ADD: 20 BTUH per door for cases using standard PSC fan motors.
ADD: 410 BTUH per end-panel when choosing the glass patch-end option.
DEDUCT: 40 BTUH per door on Back-to-Back (BB) case.
- Evaporator temperature is based on the saturated pressure leaving the case.
- Average refrigerant charge per door based upon R22 and R404A refrigerant usage.
 - DEDUCT:** 75 BTUH per door for LED lighting (assuming lighting is on at all times).
 - For compressor sizing information on parallel racks, contact a Tyler Applications Representative.
 - For compressor sizing information on single compressor units, review the guidelines from the compressor manufacturer.
 - For Line Sizing information, see the A5NGN / A5NGBB Installation and Service Manual (ISM).
 - Case BTUH requirements are calculated to approximate the entering-air temperature with maximum operating ambient temperature limits of 75°F & 55RH.

ELECTRICAL DATA:

Fans and T8 Lighting with Electronic Ballasts or LED Lighting with Electronic Drivers (115 Volts)

MODEL	DOORS PER SIDE	FANS PER SIDE	TOTAL FOR PSC FANS		TOTAL FOR SSC / ECM FANS		VERTICAL T8 (58-WATT)		LED LIGHTING			
			AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	ANTHONY OPTIMAX 2		G.E. IMMERSION	
A5NGN	2	2	0.30	38	0.60	24	1.45	174	0.57	66	0.47	54
A5NGN	3	3	0.45	57	0.90	36	1.94	233	0.85	98	0.73	84
A5NGN	4	4	0.60	76	1.20	48	2.42	290	1.13	130	0.98	113
A5NGN	5	5	0.75	95	1.50	60	2.91	349	1.41	162	1.19	137

MODEL	NO. OF DOORS	ANTI-SWEAT HEATERS (115V) *			
		ANTHONY 101		ANTHONY ELIMINAATOR (ELM)	
		AMPS	WATTS	AMPS	WATTS
A5NGN	2	1.32	152	1.08	124
A5NGN	3	1.75	152	1.39	160
A5NGN	4	2.29	263	1.81	208
A5NGN	5	2.72	313	2.12	244

Electrical Notes:

- All tabular electrical data shown above are for one sided cases only. Values for back-to-back (BB) versions are doubled.
- * Anti-sweat data contains values for both the doors and main-frame.
- Door Heating: 1) Anthony 101 Low Energy Doors = No-heat glass and heated rails, 2) Anthony Eliminaator No Energy Doors = No-heat glass and No-heat rails. All options have main-frame heat.
- Fan amps are based on electrical nameplate values from the motor manufacturer. Fan watts are base on actual use in the laboratory.

DEFROST DATA:

DEFROST TYPE	DEFROSTS PER DAY	DURATION TIME (MIN)	EPR SETTINGS		DEFROST WATER (LB / DR / DAY)
			R22 (PSIG)	R404A (PSIG)	
TIME OFF	3	30	52.4	66.5	0.5

Defrost Notes:

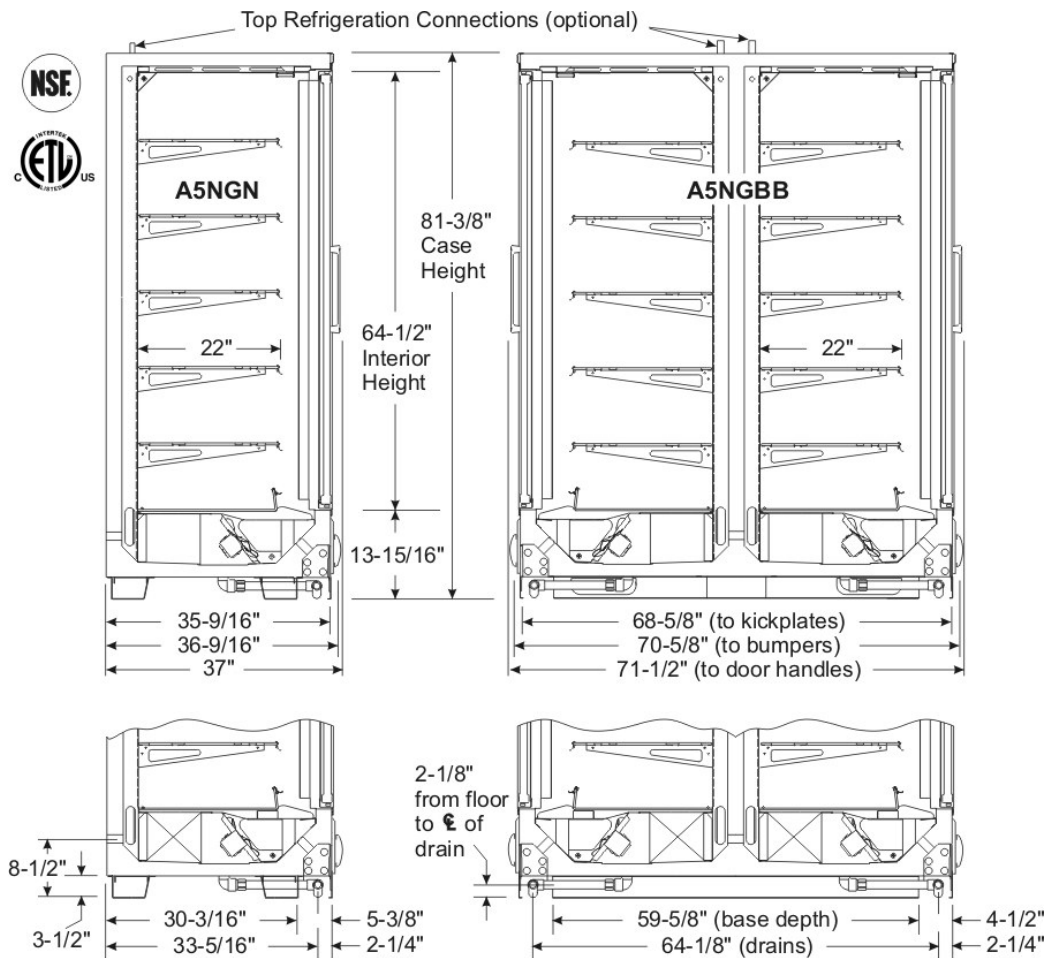
- For more detailed defrost information, see the A5NGN / A5NGBB Installation and Service Manual (ISM).
- This case requires a separate 115V circuit for fans, lights, anti-sweats, and drain pan heater. The anti-sweat circuit feeds power to both the cyclable and non-cyclable heaters.

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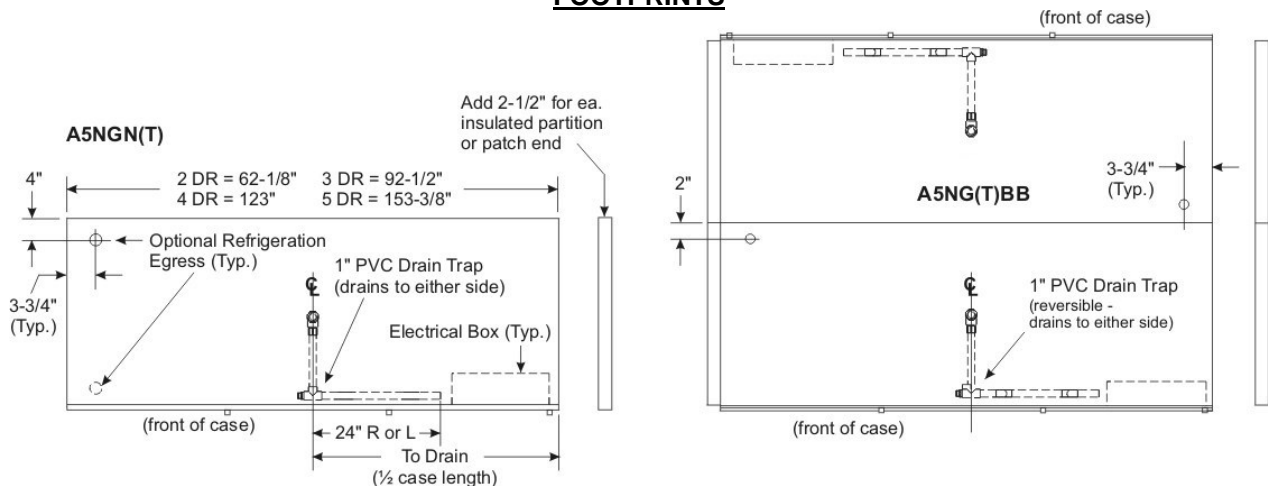
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CROSS SECTION



FOOTPRINTS



ADDITIONAL NOTES:

- Top refrigeration connection or top electrical connections increase case height by up to 4 inches.
- Back-to-back's (BB) are available in 2, 3, 4, and 5-door variations per side.
- The temperature control mode should prevent excessively low discharge air temperatures, which irritates product frosting.

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