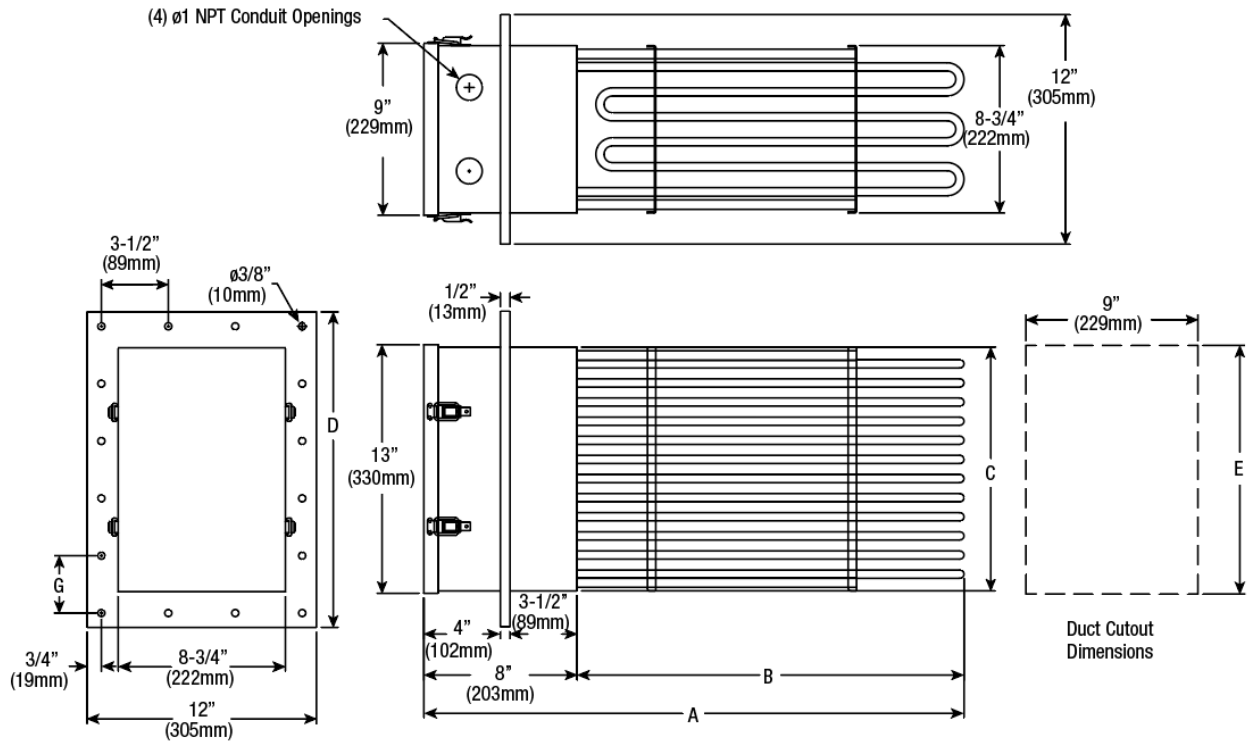


DUCT HEATER PICK & SHIP



Heater Specifications (by Part Number)

Part Number	Model	Electrical Data					Mechanical Parameters							
		kW	Volt	3 Ph Amp. Load	Elem	Circ	A Dim. (In/mm)	B Dim. (In/mm)	C Dim. (In/mm)	D Dim. (In/mm)	E Dim. (In/mm)	F Dim. (In/mm)	G Dim. (In/mm)	Weight (lbs/kg)
106-553126-198	ADH-B-009T	9	480	10.8	3	1	28-1/4 (718)	20-1/4 (514)	3-3/4 (95)	7-1/2 (191)	4 (102)	4 (102)	3 (76)	35 (15.9)
106-553126-199	ADH-B-018T	18	480	21.7	6	1	28-1/4 (718)	20-1/4 (514)	6-3/4 (171)	10-1/2 (267)	7 (178)	7 (178)	3 (76)	55 (25)
106-553126-189	ADH-B-027T	27	480	32.5	9	1	28-1/4 (718)	20-1/4 (514)	9-3/4 (248)	13-1/2 (343)	10 (254)	10 (254)	3 (76)	75 (34.1)
106-553126-200	ADH-B-036T	36	480	43.4	12	1	28-1/4 (718)	20-1/4 (514)	12-3/4 (324)	16-1/2 (419)	13 (330)	13 (330)	3 (76)	95 (43.2)
106-553126-201	ADH-B-045T	45	480	54.2	15	5	28-1/4 (718)	20-1/4 (514)	15-3/4 (400)	19-1/2 (495)	16 (406)	17 (432)	3 (76)	115 (52)
106-553126-195	ADH-B-054T	54	480	65	18	2	28-1/4 (718)	20-1/4 (514)	18-3/4 (476)	22-1/2 (572)	19 (483)	20 (508)	3 (76)	135 (61)
106-553126-202	ADH-B-063T	63	480	76.9	21	7	28-1/4 (718)	20-1/4 (514)	21-3/4 (552)	25-1/2 (848)	22 (559)	23 (584)	3 (76)	155 (70)
106-553126-203	ADH-B-079T	79	480	95.1	21	7	33 (838)	25 (635)	21-3/4 (552)	25-1/2 (848)	22 (559)	23 (584)	3 (76)	180 (81)
106-553126-204	ADH-B-105T	105	480	126.4	21	7	40-1/2 (1029)	32-1/2 (826)	21-3/4 (552)	25-1/2 (848)	22 (559)	23 (584)	3 (76)	215 (97)

¹To ensure a long life, terminal enclosure temperatures should be kept below 400°F (205°C). See figure 2.
An estimated pressure drop can be calculated using figure 1. Sheath temperature should not exceed 1000°F (538°C), see figure 3.

Heater Specifications (Common to All Units)

Electrical Rating – 480 volts, 3 phase.

Power Terminal Enclosure – Epoxy coated, color gray, rated NEMA 1 / IP10, UL and CSA component recognized.

Power Wiring Conduit Location – Four 3/4” Knock outs are located on the sides of the terminal housing to suit installation needs.

Mechanical Installation Connection – Heaters are provided with a 1/4” thick epoxy painted steel flange and 3/8” bolt holes for easy installation.

Element Sheath – Heater elements are sheathed with INCOLOY® 840 for superior corrosion resistance and longevity.

Element Seals – Silicon Resin coating over mica is provided for all heater elements..

Thermocouple – All Heaters are provided with a type “K” over-temperature thermocouple.

A separate, remote thermowell and process sensor is always recommended for the best heating results – refer to Accessories Data Sheet section for Chromalox provided kits.

Wiring –Heaters are factory bussed for easy wiring.

FIGURE 1: ADH-B TUBULAR DUCT HEATER PRESSURE DROP VS. VELOCITY

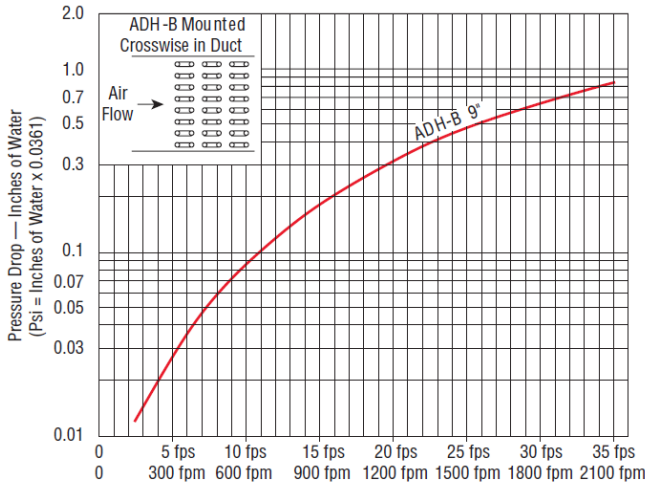


FIGURE 2: ADH-B Terminal Box Temperatures Field Wiring Selection Guide

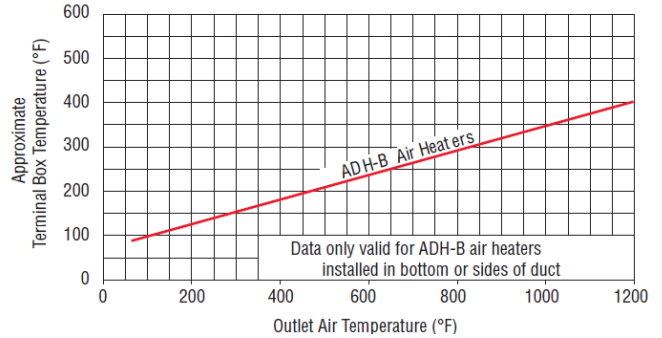
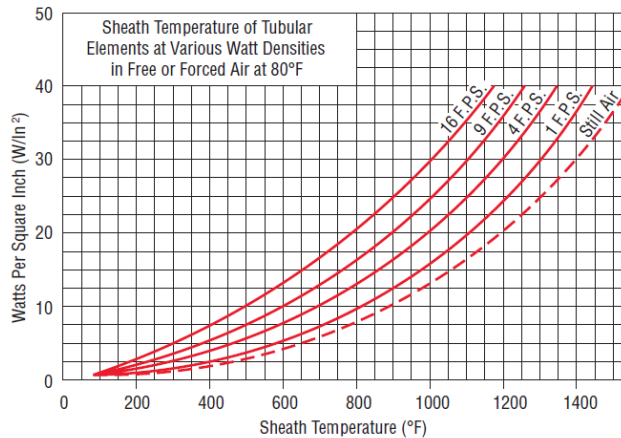


FIGURE 3: TUBULAR AIR HEATING SHEATH TEMPERATURE VS. WATT DENSITY



Steps for Picking Duct Heaters

1. Calculate the kilowatt requirement and round up to the closest heater kW rating.
2. Choose the column with the insertion length (duct width).
3. Find the corresponding heater part number at the intersection of the selected heater kW rating and application watt density.
 - Confirm the selected heater part number **full specifications** for application and installation suitability.
4. Select any accessories based on the installation needs.

Heater Selection Table

kW Rating Load @ 480 V 3pH	B = 20-1/4" (514mm)	B = 25" (635mm)	B = 32-1/4" (826mm)
9 kW / 10.8 Amps	106-553126-198		
18 kW / 21.7 Amps	106-553126-199		
27 kW / 32.5 Amps	106-553126-189		
36 kW / 43.4 Amps	106-553126-200		
45 kW / 54.2 Amps	106-553126-201		
54 kW / 65 Amps	106-553126-195		
63 kW / 75.9 Amps	106-553126-202		
79 kW / 95.1 Amps		106-553126-203	
105 kW / 126.4 Amps			106-553126-204