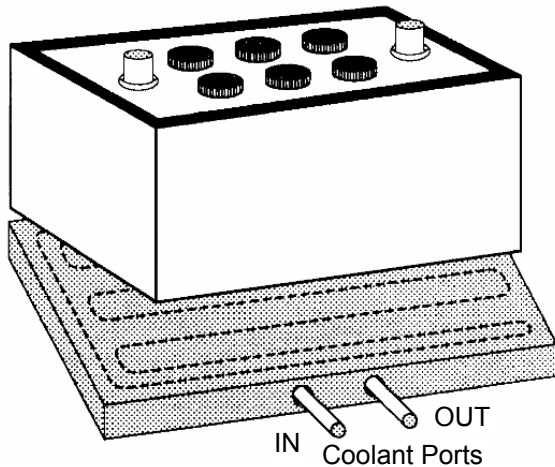




BH-3100 SERIES BATTERY HEATER

B-521—07/14



- Available for 4D, 8D and group 31 battery configurations.
- Custom sizes quoted upon request.
- Utilizes heat energy from engine cooling system or diesel fired coolant heater.
- Increases available cold cranking amps.
- Reduces required battery charge time.
- Extends battery life.
- Simplified installation for most applications.
- Durable stainless steel coolant tubes.
- Light weight aluminum heating plate.
- 1/2" NPT coolant connections.
- Optional thermostat available.

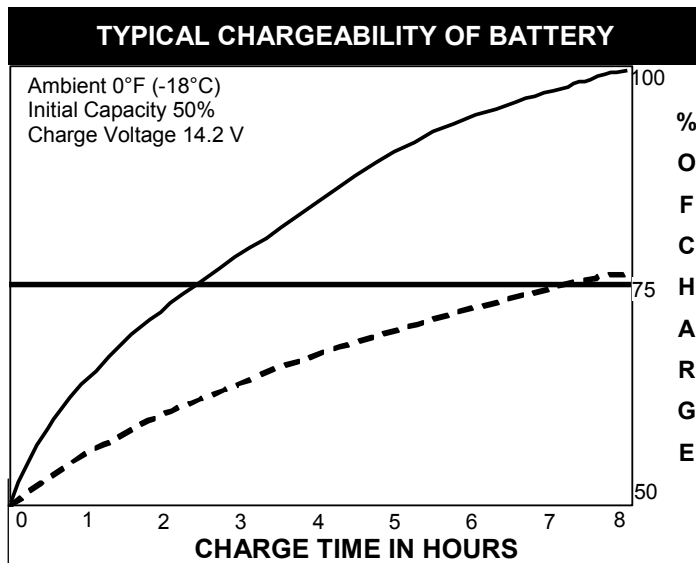


CHART A

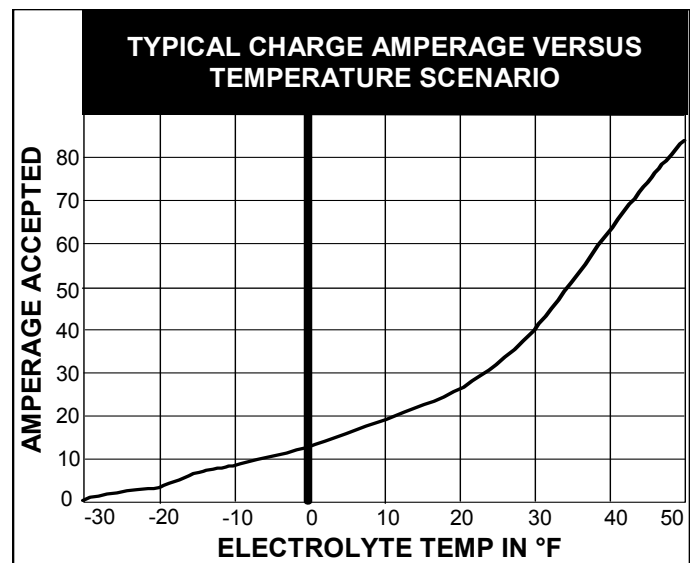
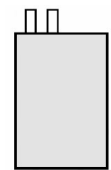
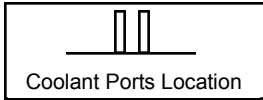


CHART B

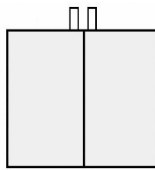
Allows fast improvement of battery state of charge, increase available cold cranking amps, and extend effective battery usage by warming with Arctic Fox battery heaters. Chart "A" depicts a typical scenario at 0°F (-18°C) where 75% to 80% of full charge is accomplished in approximately 2-1/4 hours with a battery warmer. Without a battery warmer it would require 8 hours to reach the same state of charge. As shown in chart "B" above batteries that accept 3 amps at -20°F (-29°C) can accept up to 40 amps when the electrolyte temperature is raised to 30°F (-1°C).

BH-3100 SERIES BATTERY HEATER MODELS

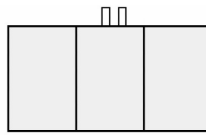
NOTE: All models require minimum 1" / 25.4mm clearance above the batteries.



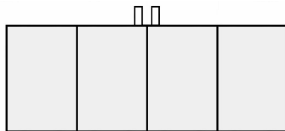
BH-3101



BH-3102



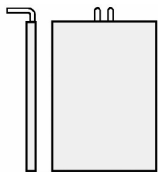
BH-3103



BH-3104



BH-3110



BH-3113



BH-3119



BH-3124

DIMENSIONAL INFORMATION		
PART NUMBER	LENGTH INCHES/mm	WIDTH INCHES/mm
BH-3101	12-7/8 / 327	6-5/8 / 168
BH-3102	13 / 330	13 / 330
Note: BH-3102—Both batteries may be place parallel or perpendicular to the coolant ports.		
BH-3103	21 / 533	14 / 356
BH-3104	27 / 686	14 / 356
Note: BH-3104—All 4 batteries may be place parallel or perpendicular to the coolant ports, or 2 either way.		
BH-3110	21-1/2 / 546	11 / 279
BH-3113	21-1/2 / 546	11 / 279
BH-3119	21 / 526	8-1/2 / 216
BH-3124	25-1/4 / 641	6-1/4 / 159

NOTE
IN SCHEMATIC BELOW, BATTERY WARMING IS DISCONTINUED WHEN CAB HEATER TEMPERATURE SWITCH IS OFF.

Typical battery heater coolant schematic for applications which utilize positive cab heater coolant flow shut-off valves as a means of temperature control.

