

# PUMP PLUS HO

## STANDARD DUAL SYSTEM BATTERY CHARGER



**MODEL # 091-9C-HO**

The Pump Plus HO battery charger is completely automatic and is for vehicles with dual battery systems. The batteries are automatically charged and maintained fully charged while still being isolated from each other. This new and improved unit contains 2 independent chargers to sense and control the current to the batteries. Thus parasitic loads on one battery have no effect on the other battery. Provision is made also for the connection of remote indicating lights

A Selector Switch is provided on the charger to operate the compressor either in D.C. mode or in A.C. mode. In either switch position the compressor operates from the vehicle's battery. When "D.C." is selected, the compressor operates whenever the pressure switch senses low system pressure. When "A.C." is selected, the compressor operates only when the charger is connected to shoreline power.

### SPECIFICATIONS:

**Input:** 120 Vac, 50/60 Hz, 2.5 Amps Max

**Input Fuse:** 5 Amps, Fast Acting

**Output:** 12 Vdc, 11 Amps

**Output Fuse (Recommended):** 22 Amps

**Power Indicator:** Indicates Input Power Applied

**Weight:** 12 lbs

**Warranty:** 3 Years



**ENERGIZED AND READY, WHEN SECONDS COUNT**

**11 AMPS FOR CHARGING VEHICLE BATTERIES**

**AUTOMATICALLY CHARGES DUAL BANKS OF BATTERIES**

**DESIGNED SPECIFICALLY FOR VEHICLES WITH DUAL BATTERY SYSTEMS**

**EACH BATTERY IS SENSED & CONTROLLED INDIVIDUALLY**

**AMMETER INDICATES TOTAL OUTPUT**

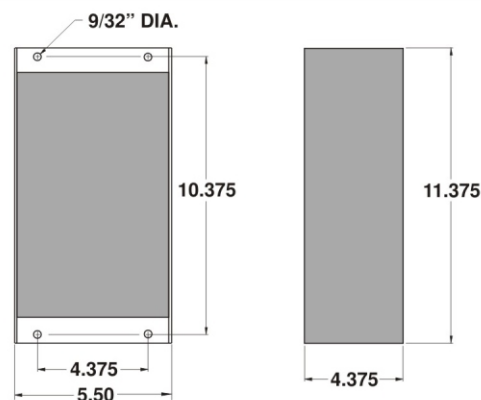
**3 YEAR WARRANTY**

### OPTIONAL INDICATOR



Model IN-4

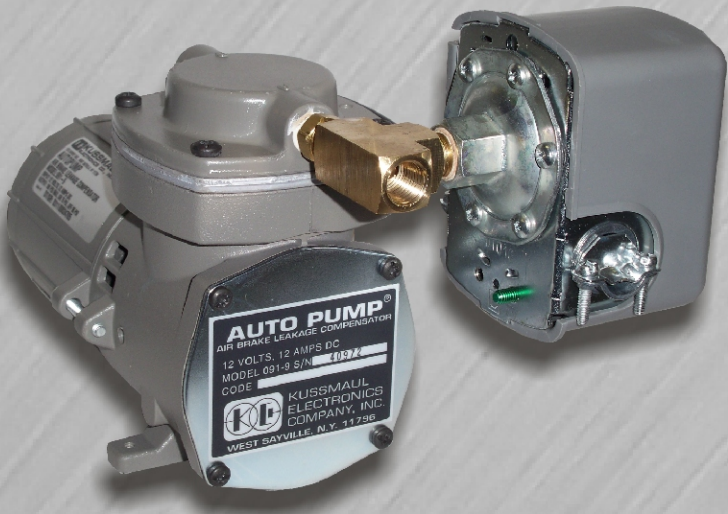
Remote LED Indicator to show when the charger is Ready or Charging



091-9C-HO Outline Drawing

# AUTO PUMP® 12 VOLT

# AIR BRAKE LEAKAGE COMPENSATOR



**MODEL # 091-9**

The 12 Volt Auto Pump is a small air compressor designed to mount on vehicles with air brakes to maintain the air pressure in the air brake system while the vehicle is not in use. A pressure switch senses when the system pressure drops and starts the compressor which then runs until pressure is restored. All ball bearing construction, lubricated for life, assures reliable operation and requires no servicing.

## SPECIFICATIONS:

**Input:** 12 Vdc @ 12 Amps Max

**Output: .30 SCFM @ 80 PSI**

.35 SCFM @ 60 PSI

**Motor Type:** Perm. Magnet .10 HP

**Pressure Switch:** Adjustable Set-Point, Factory set to 75 PSI Cut-In, 95 PSI Cut-Out

**Weight:** 7 lbs

**Warranty: 1 Year**



ENERGIZED AND READY. WHEN SECONDS COUNT

# 100 PSI MAX

## MAINTAINS AIR PRESSURE IN THE VEHICLE BRAKE SYSTEM

**COMPLETELY AUTOMATIC OPERATION  
CONTROLLED BY INTEGRAL PRESSURE  
SWITCH**

## NO INTERFERENCE WITH OPERATION OF THE ENGINE MOUNTED AIR COMPRESSOR

## SMALL SIZE, MOUNTS IN ANY DRY LOCATION

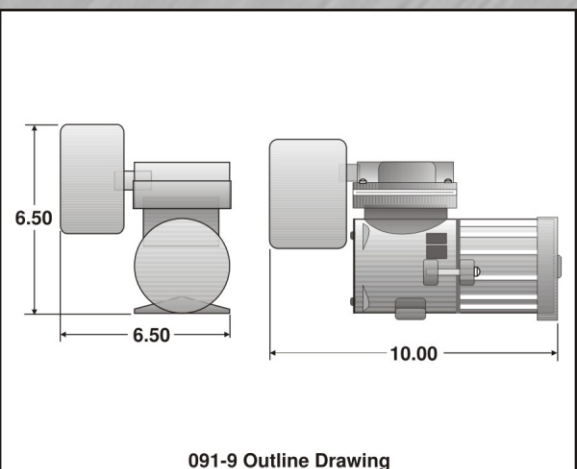
## 1 YEAR WARRANTY

## OPTIONAL ACCESSORY



Model 091-9H

This unit provides a soft mount for the Auto Pump 12 Volt. The mounting plate reduces vibration, and simplifies Auto Pump Installation.



### 091-9 Outline Drawing