

# Technical Support Manual

## Models

NUG9050FFA1

NUG9075FGA1

~~NUG9100FHA1~~

NUG9125FKA1

*NUG 9100 BFA*

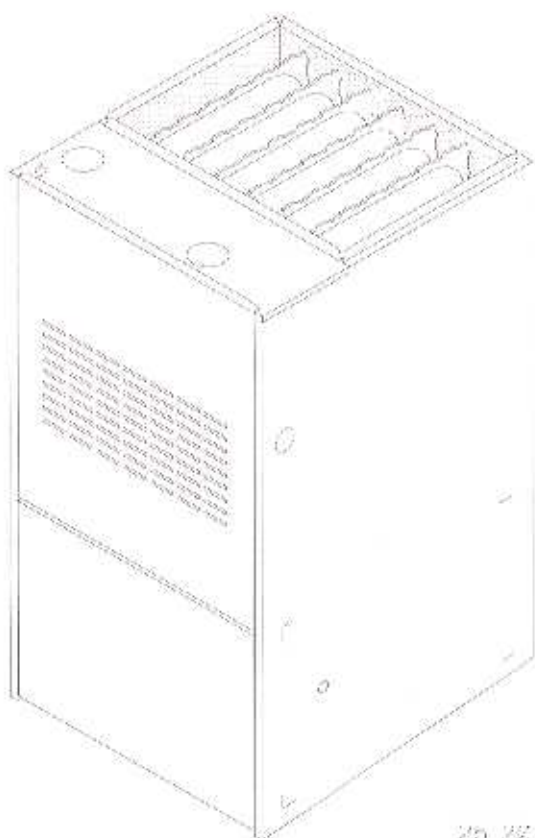


Fig. 100-101

Manufactured by:  
Inter-City Products Corporation (USA)  
Laverne, TN USA 37086

## Condensing Gas Furnaces



Save This Manual For Future Reference



## HOUSE HEATER INSPECTION

196-82615 4/94

SERVICE # 27001 MTR # 16-491528

CUSTOMER

Robert T Bean JR

STREET

283 Chestnut

POL SUB

259

CITY/TOWN

West Chester

ZIP CODE

19380

TELEPHONE

616 6059

LOCATION OF UNITS

Basement

## HEATING EQUIPMENT

TYPE

☒ AIR ☐ WATER ☐ STEAM ☐ OTHER  
☐ NEW HOUSE OR REPLACES ☐ GAS ☐ OIL ☐ OTHER

HEATER MAKE

Heil

MODEL

Aug 9005HAISERIAL NO. 1943787910

RATED INPUT

169,000

## GAS SUPPLY PIPING

HEATER FUEL LINE SIZE

☒ OK ☐ NOT OK  
☐ YES ☐ NO

SHUTOFF VALVE

☒ YES ☐ NO  
☐ YES ☐ NO

SEDIMENT TRAP

☒ OK ☐ LEAKING  
☐ YES ☐ NO

LEAK TEST

☒ OK ☐ NO  
☐ YES ☐ NO

REQUIRED INLET

4.5 " WC MAINFOLD PRESSURE MEASURED 3.5 " WC

## ELECTRICAL

SEPARATELY FUSED LINE

☒ YES ☐ NO  
☐ YES ☐ NO

SHUT OFF SWITCH AT HEATER

☒ YES ☐ NO  
☐ YES ☐ NO

BOND WIRE

☒ YES ☐ NO  
☐ YES ☐ NO

## COMBUSTION &amp; VENTILATION AIR

COMBUSTION AIR ADEQUATE

☒ YES ☐ NO ☒ OUTSIDE ☐ INSIDE  
☐ YES ☐ NO ☐ N/A ☐ OUTSIDE ☒ INSIDE

VENTILATION AIR ADEQUATE

☒ YES ☐ NO ☒ OUTSIDE ☐ INSIDE  
☐ YES ☐ NO ☐ N/A ☐ OUTSIDE ☒ INSIDE

## COMMON CONTROLS

PILOT ☐ STANDING
☒ ELECTRONIC IGNITION  
☐ YES ☐ NO

STANDING PILOT OUTAGE TEST

 TIME \_\_\_\_\_ SECONDS  
 \_\_\_\_\_ SECONDS

ELECTRONIC/LOCKOUT

☒ OK ☐ NOT OK ☐ ANTICIPATOR ☒ OK ☐ NOT OK  
☐ YES ☐ NO ☐ SPILL SWITCH ☐ OK ☐ NOT OK

THERMOSTAT

☒ OK ☐ NOT OK ☐ SPILL SWITCH ☐ OK ☐ NOT OK  
☐ YES ☐ NO

HIGH LIMIT OPERATION

☒ OK ☐ NOT OK ☐ SPILL SWITCH ☐ OK ☐ NOT OK  
☐ YES ☐ NO

## VENT CONNECTOR

VENT CONNECTOR SIZE

☐ OK ☐ NOT OK  
☐ YES ☐ NO

CONNECTOR CLEARANCES TO COMBUSTIBLES

☐ OK ☐ NOT OK ☐ DRAFT HOOD SPILLAGE ☐ OK ☐ NOT OK  
☐ YES ☐ NO

## VISUAL INSPECTION WITHIN HEATER ROOM/BASEMENT

## CONDENSING EQUIPMENT

INTAKE &amp; EXHAUST VENTS

 TYPE OF MATERIAL ☒ OK ☐ NOT OK  
 VENT SIZE: ☒ OK ☐ NOT OK ☐ EXHAUST ☒ OK ☐ NOT OK

JOINTS SEALED

☒ YES ☐ NO  
☐ YES ☐ NO

PROPER PITCH

☒ YES ☐ NO  
☐ YES ☐ NO

VENT TERMINATION

☒ SIDEWALL ☐ ROOF ☐ DORMANT CHIMNEY  
☐ YES ☐ NO

VENT BLOCKAGE TEST

☒ OK ☐ NOT OK  
☐ YES ☐ NO

CONDENSATE REMOVAL

☒ OK ☐ NOT OK  
☐ YES ☐ NO

## WARM AIR

FAN CONTROL

☒ OK ☐ NOT OK  
☐ YES ☐ NO ☐ N/A

RETURN AIR DUCT

☒ OK ☐ NOT OK  
☐ YES ☐ NO ☐ N/A

SUPPLY DUCT

☒ OK ☐ NOT OK  
☐ YES ☐ NO ☐ N/A

## HYDRONIC

BOILER FILLED WITH WATER

☐ OK ☐ NOT OK  
☐ YES ☐ NO

EXPANSION TANK

☐ OK ☐ NOT OK  
☐ YES ☐ NO

HOT WATER BOILER/LWCO

☐ OK ☐ NOT OK  
☐ YES ☐ NO

CIRCULATOR CONTROL

☐ F ☐ OK ☐ NOT OK  
☐ YES ☐ NO

RELIEF VALVE

☐ BTU/HR ☐ OK ☐ NOT OK  
☐ YES ☐ NO

BOILER FILLED WITH WATER

☐ OK ☐ NOT OK  
☐ YES ☐ NO

LOW WATER CUT OFF

☐ OK ☐ NOT OK  
☐ YES ☐ NO

HARTFORD LOOP

☐ OK ☐ NOT OK  
☐ YES ☐ NO

PRESSURE/RETROL/VAPORSTAT SETTING

☐ OK ☐ NOT OK  
☐ YES ☐ NO

RELIEF VALVE

☐ BTU/HR ☐ OK ☐ NOT OK  
☐ YES ☐ NO

## STEAM

BOILER FILLED WITH WATER

☐ OK ☐ NOT OK  
☐ YES ☐ NO

LOW WATER CUT OFF

☐ OK ☐ NOT OK  
☐ YES ☐ NO

HARTFORD LOOP

☐ OK ☐ NOT OK  
☐ YES ☐ NO

PRESSURE/RETROL/VAPORSTAT SETTING

☐ OK ☐ NOT OK  
☐ YES ☐ NO

## CONVERSION

BURNER

CARBON

MONOXIDE

☐ OK ☐ NOT OK  
☐ YES ☐ NO

EFFECTICIENCY TEST

 (MINIMUM 70%)  
☐ ABOVE ☐ BELOW

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 (MINIMUM 70%)  
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