

DUAL PORTAGE
1 OR 2 PIPE SYSTEM
(Wood Vent)

TEMPSTAR DC90

MODEL NUMBER:	NTGM 050EFAZ
BTU SIZES:	50-75-100-125,000 BTU's

ACCESSIBILITY CLEARANCE

A front clearance of 30" (762mm) is recommended for safety.

CLEARANCE FROM COMBUSTIBLE MATERIAL

Horizontal furnaces may be installed directly on combustible wood flooring or supports as long as all required furnace clearances are met.

This furnace must not be installed directly on carpeting or tile or other combustible material other than wood flooring or supports. Furnace requires 1" on top and 3" in front from combustibles and 0" everywhere else.

COLD AIR RETURN AIR DUCTS

Cold air returns can enter through either side, both sides or the bottom. Return air can not enter through the rear of the furnace.

GARAGE

Residential garage installations require bottom of furnace installed 18" above the floor. Located or physically protected from possible damage by a vehicle.

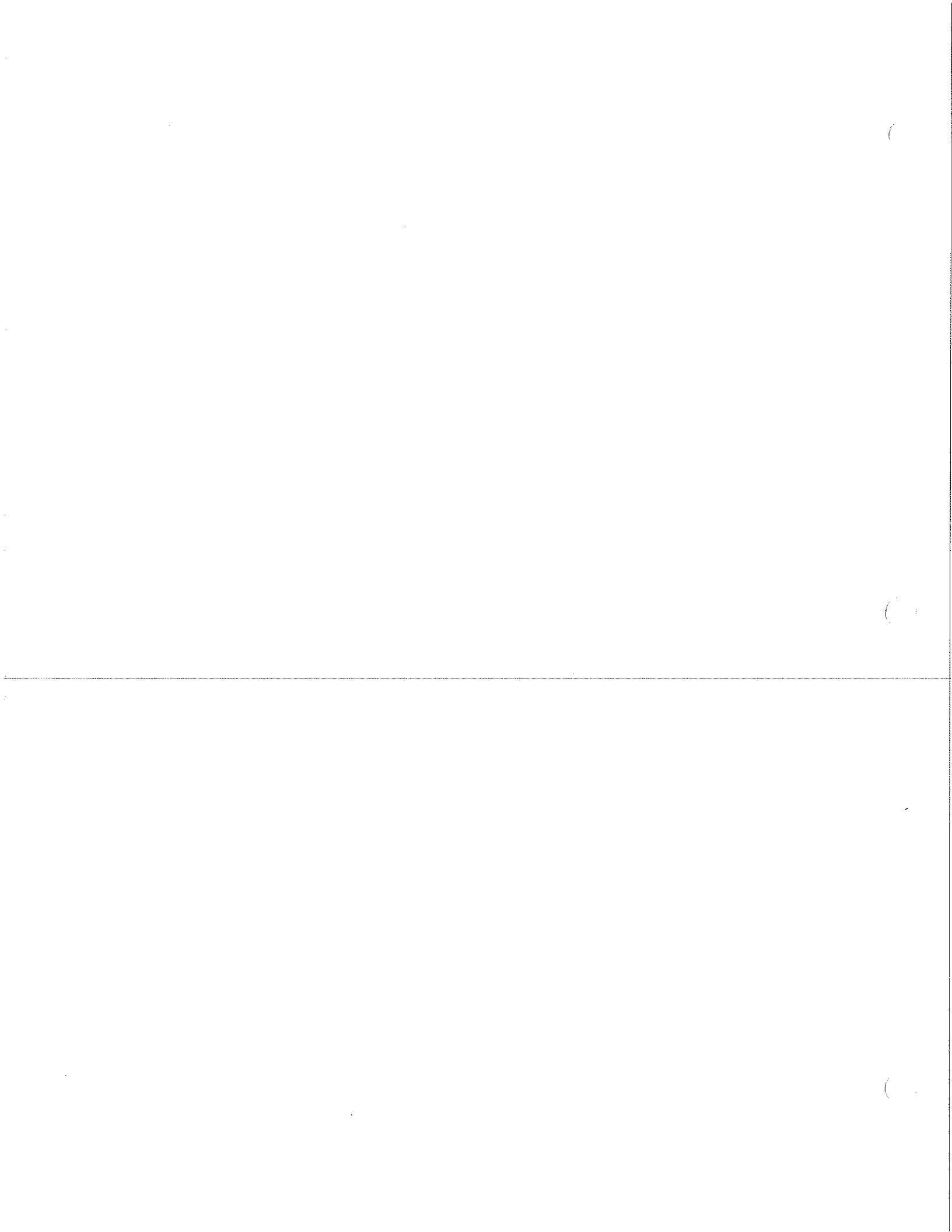
GENERAL

Return air must be minimum 60°. Vent piping can not be run in a chase where temperatures can exceed 140° can be converted to L.P. with factory kit.

HIGH ALTITUDE INSTALLATIONS

Deration	4% deration for each 1,000 feet above sea level. (Table 7) / <i>2% NEW</i>
Orifice	Comes with #42, need high altitude #44 (Table 5)
Regulator Pressure	Use high altitude pressure chart.
Pressure Switch	Altitudes over 4,000 feet require a different air pressure switch.

HORIZONTAL
NEEDS DRAIN PAN
" CONDENSATE PRESSURE SWITCH
Ignition Times Twice - THEN locks OUT



MOBILE HOME

This furnace is not approved for installation in mobile homes, trailers or recreational vehicles.

VENTING MATERIAL AND REQUIREMENTS

Vent Pipe	PVC, CPVC, ABS, and Cellular Core pipe fittings. Schedule 40 is the ONLY approved wall thickness. Insulate in unconditioned space to prevent condensate damage. (Tables 3 &4)
Vent Fittings	Pipe and Fittings -DWV type long radius elbows when possible. If DWV elbows can not be used, use two 45° elbows.

1/4" slope upwards away from furnace. Support pipe every 5' on horizontal and every 6' on vertical. Maximum pipe length is 40' total in the inlet or outlet. If more than five elbows are required, reduce the length of both the inlet and exhaust pipes 5' for each additional elbow.

VENT CLEARANCE FROM COMBUSTIBLE MATERIAL

0"

VENTING PROCEDURE

Per installation instructions

MISCELLANEOUS INFORMATION/NOTES

Not to be used as construction heat.

If installed horizontally, must be right to left air flow position.

When installed horizontally, blocked drain pressure switch must be installed.

Vent termination shall be located at least 4' horizontally from any electric meter, gas meter, regulator and any relief equipment. 3' above any forced air inlet within 10'. 10' from combustion air intake.

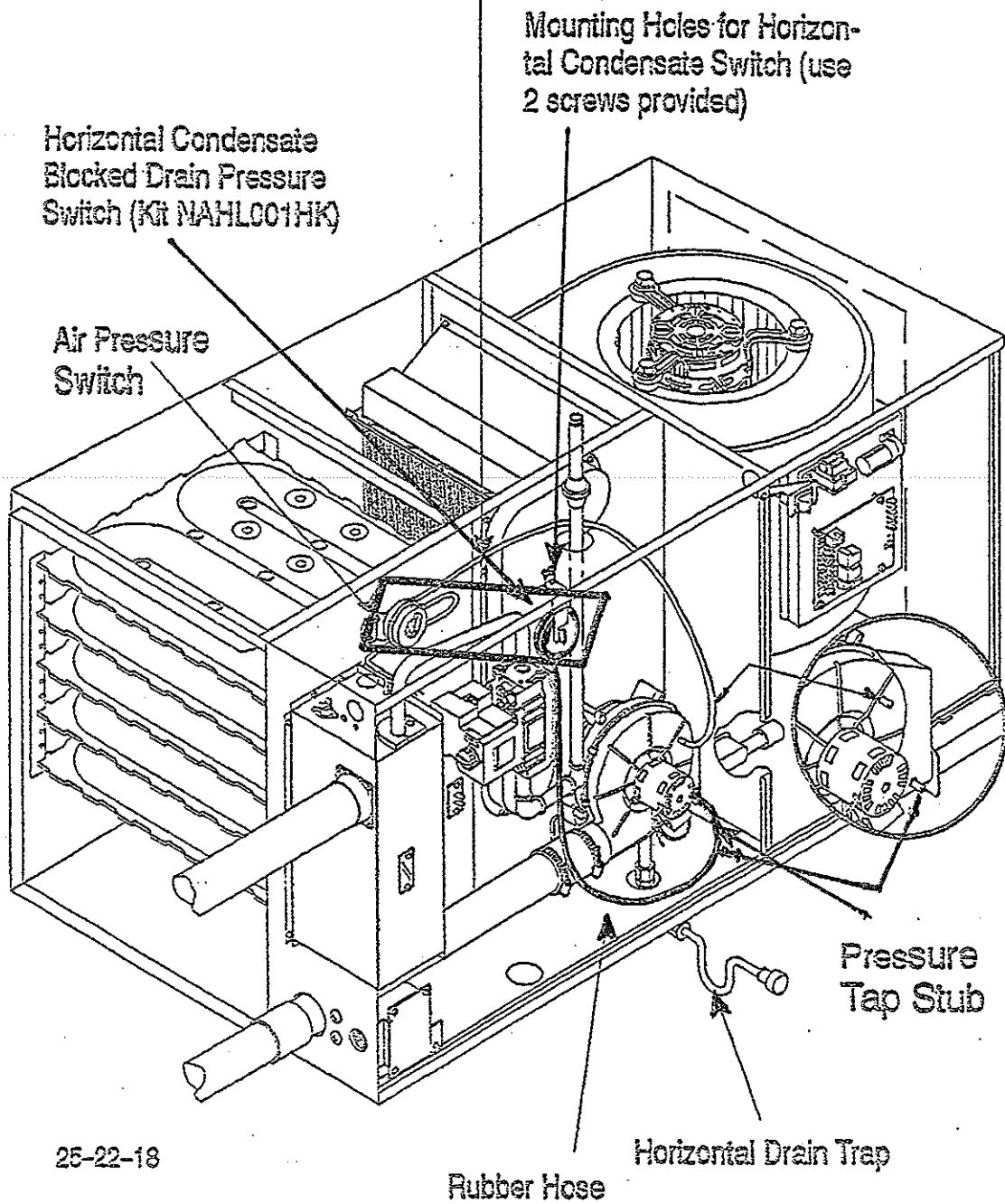
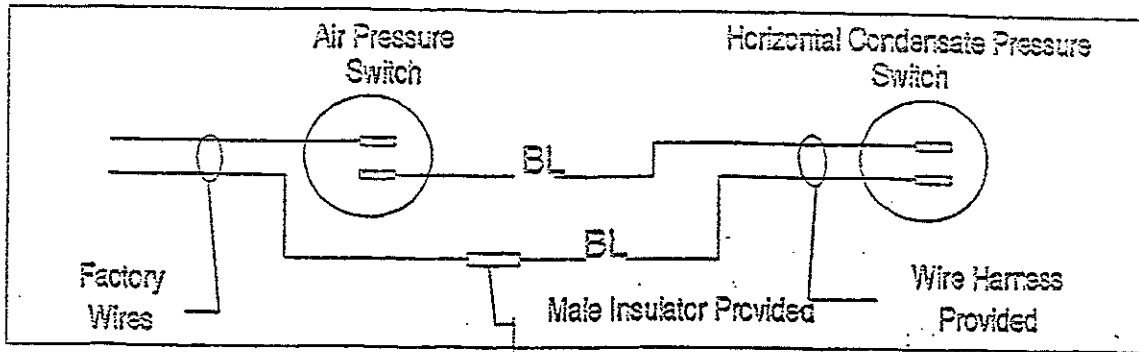
Vent termination on two pipe systems 8" ^{- From wall} minimum and 20' maximum, 18" ^{- Below 0° for 3 days} minimum in cold climates.

Var 2' minimum length

4" Maximum Each One

TEMPSTAR
DE 90

HORIZONTAL Installation
Blocked Condensate Pressure Switch
RIGHT TO LEFT AIR FLOW



25-22-18

Rubber Hose

Horizontal Drain Trap

Pressure
Tap Stub

