Hoosier Comfort Consultants
Smart solutions for better comfort

FIELD SITE SHEET
Return the completed sheet with photos of the data plate, failed part and problem area. Subject: "Site Sheet"

GAS FURNACE

80% and 90%+ gas furnaces | heating only

JOB INFORMATION

Complete every box. Use N/A if it doesn't apply.

Brand			Reason for visit				Date of visit
ICP	Allied	Other	Start-up	Service	Warranty	Maint.	

Homeowner / customer	Jobsite address	City, State, ZIP	Phone

Technician	Dealer company	Dealer phone	Installed	Failure date	Claim / RA #

Complaint / reason for visit

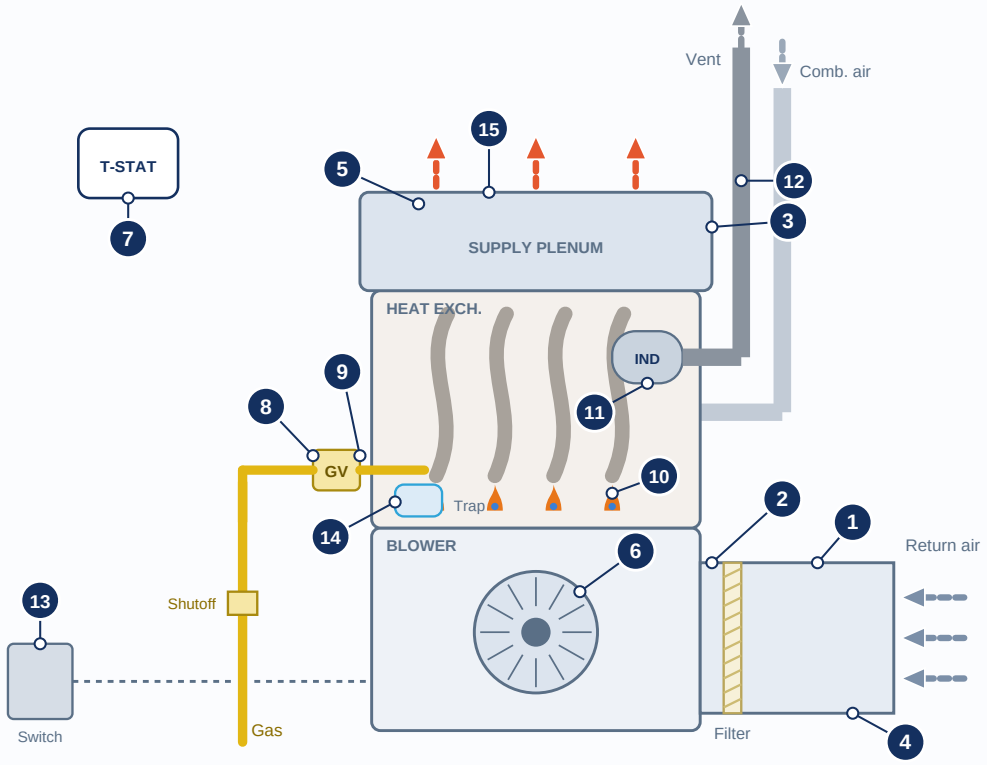
EQUIPMENT

COMPONENT	Manufacturer	Model number	Serial number	Size / tons / BTU
Furnace				
Thermostat				
Humidifier / accessory				

FURNACE DIAGRAM & MEASUREMENT POINTS

90%+ two-pipe shown; 80% uses one vent

HEATING MODE



1. Return static, before filter
2. Return static, after filter
3. Supply static
4. Return air temp
5. Supply air temp
6. Blower volts & amps
7. Thermostat call (R-C, W, G)
8. Gas inlet pressure
9. Manifold pressure
10. Flame sensor (µA)
11. Inducer / pressure switch
12. Flue gas analysis
13. Line volts & amps
14. Condensate trap / drain
15. CO in supply air

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HEATING READINGS

Heating call, 10+ minutes after ignition

Fuel	Furnace type	Rated input (BTU)	Clocked input (BTU)	Orifice size	Altitude (ft)

#	MEASUREMENT (where)	LOW FIRE	HIGH FIRE	TYPICAL / TARGET
1	**Return static, before filter** Upstream of filter	in. w.c.	in. w.c.	Filter drop (2-1) usually < 0.15-0.20
2	**Return static, after filter** Between filter and blower	in. w.c.	in. w.c.	Use for total ESP
3	**Supply static** Supply plenum	in. w.c.	in. w.c.	Total ESP typically <= 0.50 in. w.c.
4	**Return air temp** Return duct	°F	°F	
5	**Supply air temp** Plenum, out of line of sight of heat exchanger	°F	°F	
=	**Temperature rise (5 - 4)** Calculated: supply minus return	°F	°F	Within rating plate rise range
6	**Blower volts / amps** Blower motor leads	V A	V A	Compare to motor FLA
7	**Thermostat call** R-C at board, W (W2) present	V	V	24-28 Vac typical
8	**Gas inlet pressure** Gas valve inlet tap	in. w.c.	in. w.c.	Within rating plate min / max
9	**Manifold pressure** Gas valve outlet tap	in. w.c.	in. w.c.	Per rating plate (NG high fire often ~3.5)
10	**Flame sensor** In series with sensor lead	µA	µA	Usually 2-6 µA DC
11	**Inducer pressure / switch** Pressure switch tubing	in. w.c.	in. w.c.	Above switch make point
12	**Flue gas** Vent sample port	O2 % CO ppm	O2 % CO ppm	Air-free CO and O2 per manufacturer
13	**Line volts / total amps** Furnace switch / disconnect	V A	V A	Within 10% of 115 V; check polarity & ground
14	**Condensate trap / drain** Trap, hoses and drain line	OK?	OK?	Clean, primed, no leaks or rust
15	**CO in supply air** Supply plenum	ppm	ppm	Should match ambient (0 ppm)

CALCULATED VALUES

Fills in automatically as readings are entered (Adobe Reader, Chrome, Edge, Firefox)

Filter drop (auto)	Total ESP (auto)	Rated max ESP	Est. airflow (CFM)	Airflow / static check (auto)

SAFETY & VENTING CHECKS

Stack temp (°F)	Vent material / size	Termination clearances OK?	Limit / rollout tested?	Heat exchanger inspected?
		Yes No	Yes No	Yes No

Flash / fault code	Ignition sequence normal?	Gas leak check done?	CO alarm in home?	Filter size / MERV
	Yes No	Yes No	Yes No	

FINDINGS & SIGN-OFF

Findings / parts replaced / corrective action

Technician signature	Date	Reviewed by	Date