ASAP SINCE 1975 QUALITY COMPRESSORS "SERVICE WITH INTEGRITY" COMPRESSORS

START-UP REPORT

PLEASE SEE REVERSE BEFORE STARTING COMPRESSOR

ISO 9001:2015 REGISTERED COMPANY

All Supplies and Parts, Inc.
1411 Bush St. Baltimore MD 21230
410-752-1700 1-800-ASAP-321
email@asapcompressors.com 410-752-7960 fax

Installing Company: _____ Phone: _____

Unit Model #	Job Name:
Unit Serial or ID #	Location:

Notice: In order to validate your warranty and ensure a long life of your new compressor, this report MUST BE COMPLETED and returned within 36 hours of compressor start-up.

New Model # _____ New S/N _____

Old Model # _____ Old S/N _____

Before Start-up:

	YES	NO	
Crankcase heaters working?			
New liquid line drier installed?			
New suction line drier installed?			
System/Compressor evacuated?			Microns
Contactor(s) replaced?			

After Start-up:

Amps: L1 _____ L2 _____ L3 _____

L7 _____ L8 _____ L9 _____

Voltage: L1-L2 _____ L1-L3 _____ L2-L3 _____

L7-L8 _____ L7-L9 _____ L8-L9 _____

Unloader Setting _____ _____ _____

Acid test made after running? _____

LP trips at _____

HP trips at _____

Oil Level

Dry Run Info:

Oil safety actually trips at _____ seconds.

Dry Run Voltage: L1-L2 _____ L1-L3 _____ L2-L3 _____

L7-L8 _____ L7-L9 _____ L8-L9 _____

Ambient Temp. _____ **Refrigerant:** _____

(*circle below) Rating Actual

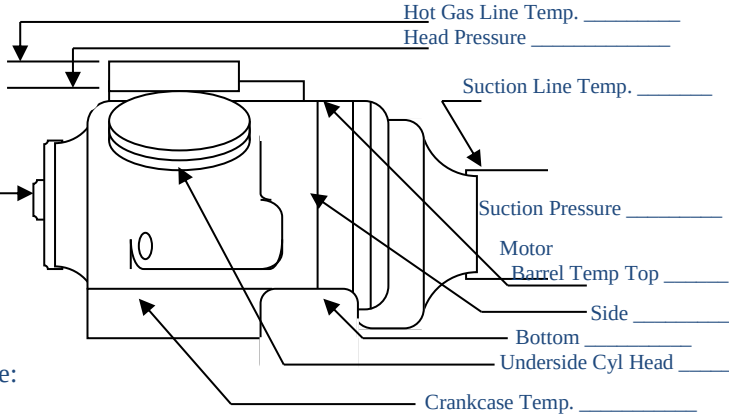
* Evaporator Fan / Pump amps. _____ _____

* Air / Water Temp.: In _____ Out _____

Water Pressure: In _____ Out _____

Cond. water temp In _____ Out _____

Allow compressor to run fully loaded for at least 30 minutes, then obtain the pressures and body temperatures at the locations shown below. Check for Proper Oil Return in sight glass.



Net Oil Pressure: _____

Oil Type: _____

All readings taken: ___ Loaded or ___ Unloaded

Liquid Line Temp. (Leaving Condenser) _____

ASAP rep at job: _____

COMMENTS: _____

Tech's Name: _____ Signature: _____ Date: _____

Orig. – ASAP Compressors Yellow – Contractor Pink – Owner

Please return via email, fax, or postal mail.

SUGGESTED COMPRESSOR START-UP AND SYSTEM CHECK-OUT GUIDE

1. Before electrical hook up (or coupling) start control circuit without wires from compressor connected to the load side of the contactor(s), to check oil pressure cut out and contactor points.
    A. Record volts from load side of contactor(s)
    B. Record time for oil safety to drop contactor(s) out
    C. Take amp reading of evaporator fan motor (if DX system) and record actual and rated amps (should be within 10%)
    D. Check oil level in sight glass
        1.) If more than ½ drain excess oil immediately (after verifying that entire level is oil and not liquid refrigerant) or, if refrigerant, close service valves & recover.

    NOTE: 2 A, B, C, & 3 should all be checked within 10-15 seconds from start

2. Reconnect compressor wires to contactor(s) (or bolt up coupling) and start compressor with suction service valve open only 1/2 turn, discharge valve fully open.
    A. Watch oil level at start and see if increases. If steady, slowly open suction valve ½ turn every 3-5 minutes until ½ way open and then go to full. If rises past half, drain oil down to bottom of glass.
    B. Check oil pressure using extra set of service gauges, subtract suction pressure and record net pressure.
        1.) If net oil pressure is not normal, SHUT machine OFF and find cause.
    C. Check oil level again, multiple times.

3. Check amp draw on each leg.
    A. If any large variation shut off immediately and check out wiring circuit. If no wiring or loose connections found, replace fuses and try again.

4. Check voltage again on each leg under load and record after ensuring unit is fully charged.

5. Check suction and discharge pressure and check out any abnormal pressures (suction 60-75 normal A/C) (discharge 180-220 water cooled, 225-275 air cooled)

6. Check suction line temperature, discharge line temperature, and various crankcase temperatures, and record.

7. Recheck oil level and drain excess – depending on model, level should be between 1/8 and 1/2 glass

8. Check LP control by throttling down on suction service valve, record cutout point.

9. Recheck oil level & drain if necessary.

10. Run up head pressure to determine when high pressure control will cut out. (This can be accomplished by disabling condenser fans or tower fan – should have manual reset and not be higher than 350 lbs.)
    NOTE: Have someone with hand on disconnect to shutdown at 375.

11. Change driers and check each thermal expansion valve computing individual superheats.

12. Check unloader operation and adjust to proper operation. If unsure of settings call ASAP office.

13. Record all final readings on start-up

14. Review all of readings to see if you are satisfied with the way everything is running.