

Daikin Applied Compressor Checklist

This form must be completed and emailed to custserv@tmi-asg.com within 10 days of start-up date.

Failure to provide this information voids all warranties

Date of Check / Start-Up:

RMA #

Contractor / Dealer Company Name and Address:

 Your Name:
 E-Mail:

Installed Compressor Model: _____
 Installed Compressor Serial No.: _____
 Removed Compressor Model: _____
 Removed Compressor Serial No.: _____
 Chiller / Cond. Section Model: _____
 Chiller / Cond. Section Serial No.: _____

Owner / Customer Name and Address:

 E-Mail:

Acid Test Done ? : Yes No
Acid Test Results and Actions:

Compressor / Unit Start-Up

	Degrees F	
	Min Load	Max Load
Ambient Outdoor Temp.:		
Evaporator Return Air/Water Temp.:		
Evaporator Discharge Air/Water Temp.:		
Conditioned Air Temp.:		
Suction Line Temp. @ Compressor:		
Suction Pressure @ Compressor:		
Less: (Suct. Press. converted to Temp.)		
Suction Superheat:		
Discharge Gas Temperature: (6 inches from service valve)		
Discharge Pressure:		
Crankcase Heater Operating?		
New Filter Drier / Cores Installed?		
Quantity:		
Liquid line sightglass moisture indicator dry?		
Liquid line temperature:		
Liquid line pressure:		

Oil Level at Sightglass

<i>Compressor not operating:</i>		Full
		Three Quarter
		Half
		Quarter
		Empty
<i>After Compressor running 10 min.:</i>		Full
		Three Quarter
		Half
		Quarter
		Empty

	Volts	Amps
Line - 1	<input style="width: 50%;" type="text"/>	<input style="width: 50%;" type="text"/>
Line - 2	<input style="width: 50%;" type="text"/>	<input style="width: 50%;" type="text"/>
Line - 3	<input style="width: 50%;" type="text"/>	<input style="width: 50%;" type="text"/>
Sum (Volts) =	<input style="width: 100%;" type="text"/>	

Average (Sum divided by 3) ==

Voltage Difference (worst leg) ==

% Imbalance (worst leg/average x 100) ==

% Imbalance must be 3% or less. If not, see below.:

- a) Rotate wires "forward" -----> move wire on Terminal-1 to Terminal-2; Terminal-2 to Terminal-3; and Terminal-3 to Terminal-1. Measure and recalculate as before. If now less than 3%, connection is good and leave it as connected; If imbalance is still more than 3%, see b) below.
- b) Move wires "forward" once more, remeasure and recalculate. If now less than 3%, connection is good and leave it as connected.
- c) If imbalance remains above 3% in all three positions, turn off equipment and advise Owner / Customer that they have an electrical imbalance.

Note: Please see reverse side for important feedback information.

Daikin Applied does not warranty compressors for single-phase motor burns. To avoid single phase motor burns, a new contactor(s) must always be installed when installing a new remanufactured semi-hermetic compressor.

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This test to be performed on the failed compressor.

How many compressors have failed on this unit/system?

Failed Compressor Symptoms (check as many as apply):

- | | | |
|---|---|--|
| <p><u>Noise</u></p> <input type="checkbox"/> At start-up
<input type="checkbox"/> Running-steady
<input type="checkbox"/> Running-intermittent
<input type="checkbox"/> At shut-down
<input type="checkbox"/> Excessive vibration | <p><u>Compressor will not start</u></p> <input type="checkbox"/> Motor grounded
<input type="checkbox"/> Motor open
<input type="checkbox"/> Starting components OK
<input type="checkbox"/> Thermostat open
<input type="checkbox"/> Oil pressure trip
<input type="checkbox"/> Module Trip (motor protector)
<input type="checkbox"/> Module Trip (demand cooling)
<input type="checkbox"/> Voltage at compressor
<input type="checkbox"/> Locked Rotor | <p><u>Mechanical</u></p> <input type="checkbox"/> Broken Rods
<input type="checkbox"/> Discolored valve plate
<input type="checkbox"/> Worn Bearings
<input type="checkbox"/> Dragging rotor
<input type="checkbox"/> Little or no oil
<input type="checkbox"/> Broken Suction Reeds
<input type="checkbox"/> Low Oil Pressure
<input type="checkbox"/> Broken Discharge Valves
<input type="checkbox"/> Other |
|---|---|--|

- Type of Equipment:
- | | |
|--|--|
| <p><u>Air Conditioning</u></p> <input type="checkbox"/> A/C, HP Split System
<input type="checkbox"/> A/C, HP Packaged
<input type="checkbox"/> Remote condenser
<input type="checkbox"/> Comfort Cooling
<input type="checkbox"/> Thermal Storage
<input type="checkbox"/> Other | <p><u>Refrigeration</u></p> <input type="checkbox"/> Parallel
<input type="checkbox"/> Single
<input type="checkbox"/> Booster
<input type="checkbox"/> Reach-in case
<input type="checkbox"/> Condensing unit
<input type="checkbox"/> Process Application |
|--|--|

- Leak
-
- Note Location

Exact cause of failure (refer to attached document)

- | | | | |
|--|---|---|--------------------------------|
| <input type="checkbox"/> Refrigerant Floodback
<input type="checkbox"/> Flooded Starts
<input type="checkbox"/> Slugging
<input type="checkbox"/> Loss of Oil | <input type="checkbox"/> High discharge Temperature
<input type="checkbox"/> Uniform Burn
<input type="checkbox"/> Single Phase Burn
<input type="checkbox"/> Half winding Single Phase Burn | <input type="checkbox"/> Half Winding Burn
<input type="checkbox"/> Primary Single Phase
<input type="checkbox"/> Spot Burn
<input type="checkbox"/> Shorted Terminals | <input type="checkbox"/> Other |
|--|---|---|--------------------------------|

General Comments:

Planned Corrective Action:

Installer's / Technician's Name, Please print

Signature

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