Compressor Checklist

Approximately one-third of all air conditioning and refrigeration compressors returned under warranty are NFF (No Fault Found). (Emerson Climate Technologies-achrnew.com-03-30-2009 edition)

It is for this reason that we have implemented a policy that requires a Compressor Checklist to be completed in the field at the time of compressor failure diagnosis. This checklist will aid the technician with operational and non-operational tests that can be performed to confirm the failure. We have experienced several occasions when the use of this checklist has resulted in a misdiagnosed compressor.

If your technician concludes a compressor on a ClimaCool chiller has failed, and it is under warranty, we require that you forward the completed Compressor Checklist to Dsparks@climacoolcorp.com. Once determination has been made that the technician's diagnosis is accurate, we will proceed with the warranty process.

After the compressor has been replaced, the technician will use the same checklist to confirm the health of the system and return the completed form to Dsparks@climacoolcorp.com. We welcome the opportunity to discuss all the data collected to assist in determining the root cause of failure and make recommendations to correct a system problem that may be at fault.

We appreciate your continued support as we work together developing effective service tools benefiting our valued Reps, our mutual customers and ClimaCool.





Compressor Checklist

Fill out checklist as complete as po	ssible to confirn	n failure and	also complete after	er replacement	to neip dete	rmine root	cause.
Project Name:			Contractor Nam	e:			
Address:			Address:				
City/State:			City/State:				
Start-up Dt:			Phone:				
Todays Dt:							
Module			Compressor				
Model#:			Model #:				
Serial #:			Serial # 1:				
Chiller #: Bank #:			Serial # 2:				
► All wiring terminations in module	panel, safeties	and compr	essors tightened	: n	Yes	□ No	
► Rotation of scroll compressor is		-			Yes	☐ No	
► Phase Monitor installed and prop		<u>L</u>			Yes	□ No	
R	esistance R	eading of	Compressor \	Windings			
			and tag out before		est)		
L1 /L2 L1 /	L3		L2 / L3		•		
L1 / Ground L2 /	Ground		L3 / Ground				
Phase to Ground	Voltago			Phase to Ph	asa Valt	200	
MEASURE VAC ON <u>LOAD</u> SIDE		CB		E VAC AT LOA			OR
L1 L2 L3			L1/L2	L2/L3		L1/L3	
NOTE: If Compre	Complete th		for the affected	circuit Compresso	r Circuit	#2	
Amperage: L1 L2	L3		Amperage: L	1 L2		L3	
	HEAT	COOL				HEAT	COOL
Sight Glass Oil Level:			Sight Glass Oil				
Suction Pressure:			Suction Pressur				
Suction Line Temperature:			Suction Line Te	=			
Compressor Superheat:			Compressor Su				
Discharge Pressure: Discharge Line Temperature: 220			Discharge Press		220 may		
Discharge Gas Superheat: 50 n	max		Discharge Line Discharge Gas \$	=	220 max 50 min		
Liquid Line Temperature:	······ <u></u>		Liquid Line Tem	=	30 111111		
Liquid Subcooling:			Liquid Subcooli	-			
Evaporator Entering Water Temp.:			Evaporator Ente	_	mn ·		
Evaporator Leaving Water Temp.:			Evaporator Leav	_	=		
Condenser Entering Water Temp.:			Condenser Ente	_	-		
Condense Linering Water Tellip							
Condenser Leaving Water Temp			Condensor Leav				
Condenser Leaving Water Temp.: Evaporator Pressure Drop:			Condenser Leav	_	·P···		
Evaporator Pressure Drop:			Evaporator Pres	sure Drop:	· r ··		
Evaporator Pressure Drop: Condenser Pressure Drop:		<u> </u>		sure Drop:		<u> </u>	
Evaporator Pressure Drop:	<u> </u>		Evaporator Pres	sure Drop:			
Evaporator Pressure Drop: Condenser Pressure Drop:		=	Evaporator Pres	sure Drop:			