



BALTIMORE AIRCOIL COMPANY

Baltimore Aircoil International nv › Industriepark, Zone A › 2220 Heist-op-den-Berg › Belgium › www.BaltimoreAircoil.eu

Motor Checklist

(*) IS REQUIRED

BAC MODEL (*):	
SERIAL NUMBER (*):	
DELIVERY DATE (*):	
Description problem (*):	
DOES THE PROBLEM OCCUR SINCE START-UP? (*)	YES/NO
IF NOT, HOW MANY OPERATING HOURS DID THE MOTOR RUN WITHOUT A PROBLEM? (*)	.....
NAMEPLATE DATA (*):	
BRAND:	VOLTAGE: V
TYPE:	CURRENT: A
CONNECTION:	PROTECTION: IP
Nº OF PHASES:	RPM:
FREQUENCY: Hz	POWER: KW
SNº:	
MEASUREMENTS (*):	
<i>MAKE SURE THE MOTOR IS RUNNING AT FULL SPEED.</i>	
IF THE MOTOR HAS TWO SPEEDS CHECK BOTH AND TAKE NOTE OF THE MEASUREMENTS.	
FULL LOAD CURRENT (BELTS INSTALLED):	
-CURRENT PHASE 1: A	VOLTAGE PHASE 1: V
-CURRENT PHASE 2: A	VOLTAGE PHASE 2: V
-CURRENT PHASE 3: A	VOLTAGE PHASE 3: V
NO LOAD CURRENT (REMOVE BELTS):	
-CURRENT PHASE 1: A	VOLTAGE PHASE 1: V
-CURRENT PHASE 2: A	VOLTAGE PHASE 2: V
-CURRENT PHASE 3: A	VOLTAGE PHASE 3: V
<i>MAKE SURE THE MOTOR IS SHUT DOWN & ELECTRICALLY DISCONNECTED.</i>	
-INSULATION BETWEEN GROUND & WINDINGS: MOHM	
-INSULATION BETWEEN WINDINGS:	
BETWEEN U & V: MOHM	
BETWEEN U & W: MOHM	
BETWEEN V & W: MOHM	
- WINDING RESISTANCE OF EACH WINDING (WITH A MILLI-OHM METER):	
WINDING U: OHM	
WINDING V: OHM	
WINDING W: OHM	
NET FREQUENCY: HZ	
IS THERE ONE OF BELOW ACCESSORIES INSTALLED? IF YES WHICH & MEASURE RESISTANCE:	YES/NO
PTC OHM	



THERMOSTAT	.....	OHM	
SPACE HEATER	.....	OHM	
DOES THE MOTOR RUN WITH ABNORMAL NOISE?			YES/NO
IF YES, LET MOTOR RUN AT FULL SPEED & SUDDENLY CUT MOTORS' POWER SUPPLY.			
IS THE NOISE STILL PRESENT WHEN MOTOR IS SLOWING DOWN?			YES/NO
MECHANICAL (*):			
IS THE NOISE PRESENT WHEN RUNNING WITH BELTS INSTALLED?			YES/NO
IS THE NOISE PRESENT WHEN RUNNING WITH BELTS REMOVED?			YES/NO
DOES THE MOTORSHAFT TURN FREELY BY HAND?			YES/NO
IS THE COOLING FAN OF THE MOTOR TOUCHING THE COVER?			YES/NO
IF THE NOISE IS COMING FROM THE BEARINGS:			
NOTE BEARING TEMPERATURES (FRONT/BACK):	/	°C (if possible)	
NOTE ENVIRONMENT TEMPERATURE:	.....	°C (if possible)	
MEASURE VIBRATION LEVEL:	.....	mm/s (if possible)	
HOW OFTEN ARE THE BEARINGS GREASED (IF APPLICABLE)	.....	

ALSO FILL IN BELOW WHEN REQUESTED BY BAC

GENERAL:			
APPLICATION:			FAN/PUMP
SETTING THERMAL RELAY:	.....	A	
HOW DOES THE MOTOR START:			DOL / STAR-DELTA / VFD / SOFT STARTER
WHICH DUTY CYCLE DOES THE MOTOR HAVE:			
	S1 (CONTINUOUSLY WORKING)		
	S2 (LIMITED DURATION) IDLE TIME =	.....
	OTHER DUTY:	.....
HOW MANY TIMES DOES THE MOTOR START IN ONE HOUR?	.....	
IS THE MOTOR RUNNING IN THE CORRECT DIRECTION?			YES/NO
IS THERE ANY PHYSICAL DAMAGE ON THE MOTOR?			YES/NO
IF YES, WHAT:	.....	
DIAMETER OF THE MOTOR SHEAVE AND MODEL:	.....	mm	Model
DIAMETER OF THE FAN SHEAVE AND MODEL:	.....	mm	Model
NUMBER OF BELTS:	.....	
BELT TENSION:	.....	N	
ELECTRICAL:			
HOW IS THE MOTOR CONNECTED?			STAR / DELTA / 2SPEED
IF A FREQUENCY DRIVE IS USED, WHICH TYPE & MODEL:	.....	
WHAT IS THE MIN. FREQUENCY:	.....		HZ
WHAT IS THE MAX. FREQUENCY:	.....		HZ
TOTAL LENGTH POWER SUPPLY CABLES (FROM VFD TO MOTOR):	.....		m
ARE THERE FILTERS INSTALLED (IF YES WHICH TYPE):	.....	
ARE THERE MULTIPLE MOTORS CONNECTED TO 1 VFD?			YES/NO
IF A SOFT STARTER IS USED, WHICH TYPE & MODEL:	.....	
IS THE MOTOR WIRED ACCORDING TO THE DIAGRAM?			YES/NO
ARE THE CABLES PROPERLY CLENCHED IN THE MOTOR TERMINAL BOX?			YES/NO