

## 1990 King Air Systems Coil Evaporator – 74.9 Tons

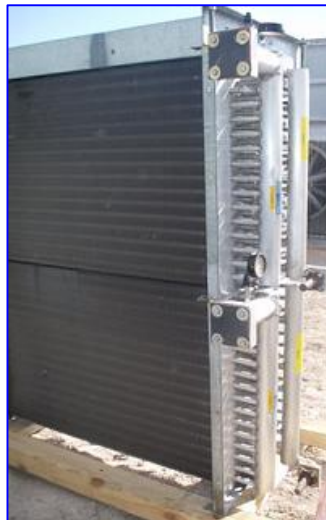
Mfg: King Air Systems

Model: 9CF-168-01.502/0306-aa-6-108-717R

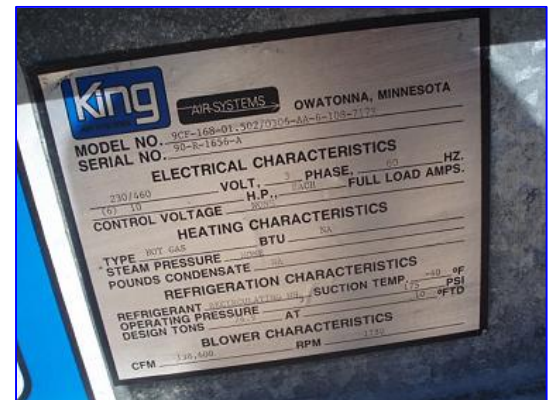
Stock No. LEEQ001.

Serial No. 90-R-1656-A

1990 King Air Systems Coil Evaporator . 74.9 Tons. Model: 9CF-168-01.502/0306-aa-6-108-717R. S/N: 90-R-1656-A. Capacity: 74.9 Tons. Refrigerant: recirculating ammonia. Fans: (6) 10 hp single speed, 1750 rpm, 230/460 volts, 3 phase, 60 cycle, totally enclosed, 8.72 BHP at -30°F operating temperature, 36+ diameter and 14+ blade. Coils: (3) with 2 rows @ 1.5 fins per inch and 6 rows @ 3 fins per inch ( 36 high x 168 long) aluminum tube and fins. CFM: 134,400 @ 62 external static pressure. Capacity: 89,880 BTUH/°F. Defrost: Hot Gas and Water. Hot Suction temperature: -40 °F. Operating pressure: 175 psig. (4) King Air Evaporators, Model: 7RLB. Evaporator S/Ns: 90R1656A-T24200-1, 90R1656A-T24200-2, 90R1656A-T24200-3, 90R1656A-T24200-4. Inlets: (4) 1 in. dia. ports (ammonia feed), (1) 1-1/2 in. dia. port (hot gas), (1) 2 in. dia. FNPT (water). Outlets: (1) 1-1/2 in. dia. port (hot gas), (4) 3 in. dia. ports (refrigerant suction). Overall dimensions: 16 ft. 8 in. L x 4 ft. W x 16 ft. H. (2) Single Fan Blower Units. Cast aluminum fan blades: 3 ft. dia. Dayton Motor, 10 hp, 1760/1445 rpm, 208-230/460-190/380 V, 27.3-25.4/12.7-30.8/5.4 FLA, 60/50 Hz, 3 phase. Ajax Motor, 10 hp, 1735 rpm, 208-230/460 V, 28.8-25.0/12.5 amps, 60 Hz, 3 phase. Overall dimensions: 3 ft. 8-1/2 in. L x 3 ft. 2 in. W x 7 ft. 8 in. H. (2) Double Fan Blower Units. Cast aluminum fan blades: 3 ft. dia. U.S. Motor, 10 hp, 1755 rpm, 208-230/460 V, 28.9-27.2/13.6 FLA, 60 Hz, 3 phase. Lincoln Motor, 10 hp, 1745 rpm, 230/460 V, 26/13 amps, 60 Hz, 3 phase. Overall dimensions: 3 ft. 7 in. L x 3 ft. 2 in. W x 7 ft. H. This was the 75 ton coil section for a Spiral IQF tunnel with 982 foot of active, 40 in. wide belt. Connection sizes include, feed: (3) 1+IPS, returns: (3) 3+ IPS, Hot Gas: (2) 1-1/4 IPS, Water Pan: (1) 1-1/2+IPS, Drain: 4 IPS.











(6) 10 VOLT, 360 PHASE, HZ  
 CONTROL VOLTAGE, NONE H.P., EACH FULL LOAD AMPS

**HEATING CHARACTERISTICS**  
 TYPE HOT GAS BTU NA  
 STEAM PRESSURE LBS PSI  
 POUNDS CONDENSATE

**REFRIGERATION CHARACTERISTICS**  
 REFRIGERANT R-134A SUCTION TEMP. -40 °F  
 OPERATING PRESSURE 175 PSI  
 DESIGN TONS AT 10 °FTD

**BLOWER CHARACTERISTICS**  
 CFM 138,600 RPM 1750

**King** AIR SYSTEMS  
 AIR-SYSTEMS OWATONNA, MINN

MODEL NO. 9CF-168-01.502, G306-AA-6-108-717R  
 SERIAL NO. 90-R-1656-A

**ELECTRICAL CHARACTERISTICS**  
 230/460 VOLT, 3 PHASE, 60 HZ  
 (6) 10 H.P., EACH FULL LOAD AMPS

**HEATING CHARACTERISTICS**

**King** AIR SYSTEMS  
 AIR-SYSTEMS OWATONNA, MINNESOTA

MODEL NO. 9CF-168-01.502, G306-AA-6-108-717R  
 SERIAL NO. 90-R-1656-A

**ELECTRICAL CHARACTERISTICS**  
 230/460 VOLT, 3 PHASE, 60 HZ  
 (6) 10 H.P., EACH FULL LOAD AMPS

**HEATING CHARACTERISTICS**  
 TYPE HOT GAS BTU NA  
 STEAM PRESSURE LBS PSI  
 POUNDS CONDENSATE

**REFRIGERATION CHARACTERISTICS**  
 REFRIGERANT R-134A SUCTION TEMP. -40 °F  
 OPERATING PRESSURE 175 PSI  
 DESIGN TONS AT 10 °FTD

**BLOWER CHARACTERISTICS**  
 CFM 138,600 RPM 1750







**UNIMOUNT® 125** ENCLOSURE EFFICIENCY MOTOR

MODEL A923A	HP 10	PH 3 HZ 60	RPM 1755	DES B
FRAME 215T	TYPE UT	ENCL TE	SF 1.25	CODE H
VOLTS 208-230/460		ID T07T144R022F		NEMA NOM EFFICIENCY 87.5
FL AMPS 28.9-27.2/13.6		SHAFT 6208-22		INSUL CLASS F
S.I. IMP 33.4/16.7		END BRG 6206-22		MAX AMB 40°C
		END BRG 6206-22		DUTY CONT

WEAKLE ON 208V 50HZ AT 33.2 AMPS MAX ALTERNATE RATINGS

32.0/16.0 AMPS MAX AT 190-230V 50HZ  
45°C AMB 1.15 SF CLASS B  
50°C AMB 1.15 SF CLASS F

**U.S. ELECTRICAL MOTORS**  
DIVISION OF EMERSON ELECTRIC CO.  
ST. LOUIS, MO  
MADE IN U.S.A. 391541-732

**WARNING:** IMPROPER INSTALLATION OF THIS MOTOR MAY RESULT IN FIRE. FOR SAFETY, ELECTRICAL SHOCK OR OTHER PERSONAL INJURIES. READ OPERATING INSTRUCTIONS & MOTOR MUST BE DISCONNECTED FROM LOCAL AND NATIONAL GRID. DISCONNECT ALL POWER SOURCES BEFORE MAINTENANCE. DO NOT PLACE TOOLS OR OBJECTS NEAR ROTATING PARTS. ALWAYS WEAR SAFETY GOGGLES TO PREVENT EYE INJURY FROM FLYING DEBRIS.

**LINCOLN A.C. MOTOR** TOTALLY QUALIFIED AS ODP REPLACEMENT

HP 10	RPM 1745	FRAME 215T
VOLTS 230/460	PHASE 3	HERTZ 60
AMPS 26/13		TIME RATING CONT.

CAN BE USED ON 208V SYSTEM UP TO 30 AMPS  
MAY NOT MEET ALL NEMA PERFORMANCE LIMITS ON 208V SYSTEM SERVICE

INS F	FACTOR 1.15	MAX AMB 40 °C
NEMA CODE H	NEMA DESIGN B	TEMP. RISE 75 °C
NEMA NOM EFF 84.0	NEMA MIN. EFF. 81.5	LINCOLN MIN. EFF. 83.5

SERIAL U3950903435  
TF-TF4288

LE CO CODE THE LINCOLN ELECTRIC CO. CLEVELAND, OHIO U.S.A.