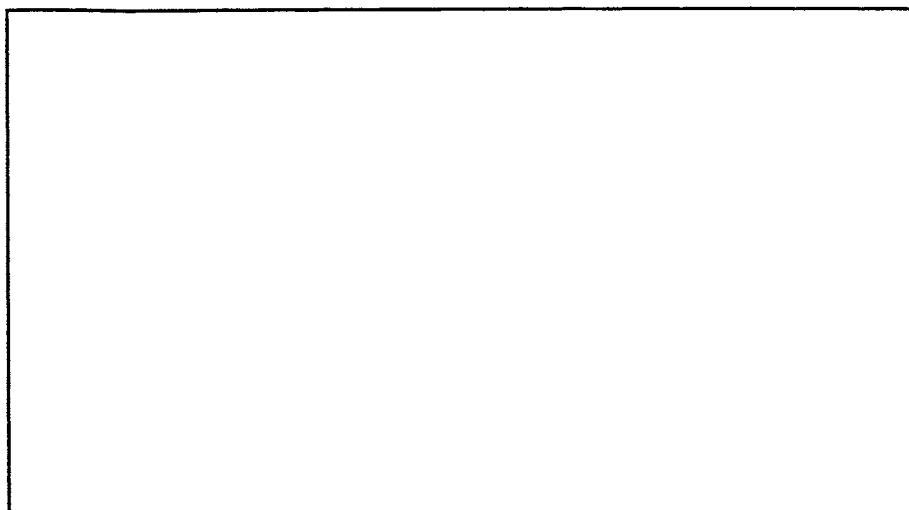




38AKS-2SB

**38AKS008, 009 & 012
AIR-COOLED
CONDENSING UNITS**

- **PERFORMANCE DATA**
- **CERTIFIED DIMENSION PRINT**



Date:	Supersedes:	38AKS008, 009 & 012 AIR-COOLED CONDENSING UNITS	38AKS	Rev.: -2SB
JOB NAME:		LOCATION:		
BUYER:		BUYER P.O. #	CARRIER #	
UNIT NUMBER:		MODEL NUMBER:		
PERFORMANCE DATA CERTIFIED BY:				DATE:

DESCRIPTION



These factory-wired condensing units are easily connected by refrigerant lines and control wiring to the matching Carrier Air Handler or water cooler in various combinations to provide customized packages that will cover a wide range of cooling requirements. Direct-drive axial-flow fans are mounted for vertical air discharge. Condenser coils are vertically mounted resulting in a compact unit design.

STANDARD FEATURES

Standard one-year warranty and extended five-year protection plan on motor-compressor.

UL listing applies to standard base unit, in 208/230 and 460 volts. CSA listing applies to standard base unit, in 208/230, 460 and 575 volts.

Reciprocating, serviceable semi-hermetic compressor with spring isolators, automatically reversible oil pump, thermal overload protection, and service valves.

Weather Armor® cabinet of galvanized steel, bonderized and finished with pre-painted baked enamel.

Copper tube/aluminum fin condenser coils with mechanically bonded lanced-sine wave type fins and subcooling circuit.

Optional copper tube/copper finned condenser coils available.

Large propeller condenser fans permit efficient operation to minimize sound levels.

Totally enclosed direct-drive condenser fan motors, permanently lubricated and inherently protected.

Units shipped with holding charge.

Time Guard® II circuit board prevents compressor short cycling.

Hot Gas Muffler.

Liquid line filter-drier.

Crankcase heaters.

High- and loss-of-charge pressure switches.

Excessive pressure relief, fusible plug.

24-volt external controls.

Cycle-LOC™ prevents unit from starting if high- or low-pressure condition occurs.

Unloader standard on 012 size.

PERFORMANCE DATA

Cooling Capacity _____ Btuh

Ambient Air Temperature _____ °F

Saturated Suction Temperature _____ °F

Saturated Condensing Temperature _____ °F

Compressor Power Input _____ kW

Condenser Fan Power Input _____ kW

Minimum Ambient Air Temperature:

w/o Motormaster® II _____ °F

With Motormaster II _____ °F

ELECTRICAL DATA

Unit Power Supply _____ Volts _____ Ph _____ Hz

Minimum Circuit Amps _____ Maximum Fuse Amps _____

ACCESSORIES

☐ Motormaster II Low-Ambient Head Pressure Control to 0° F Ambient

☐ Gage Panel Package

☐ Winter-Start Relay Package

☐ Thermostat and Subbase

☐ Hail Guard

☐ Coil Guard

☐ _____

☐ _____

☐ _____

UNITED TECHNOLOGIES CARRIER										P O BOX 400 BIRMINGHAM, AL. 35201		THIS DOCUMENT IS THE PROPERTY OF CARRIER CORPORATION AND IS OBLIGATED UNDER THE EXPRESS CONDITION THAT THE CONTENTS WILL NOT BE REPRODUCED OR USED WITHOUT CARRIER CORPORATION'S WRITTEN CONSENT.		REPRODUCTION OF THESE DRAWINGS OR DOCUMENTS DOES NOT CONSTITUTE A WARRANTY OR ASSURANCE OF PERFORMANCE OR A GUARANTEE OF ANY KIND.		DATE		SUPERVISOR								
DIMENSION CHART										WEIGHT CHART (WITH ALUMINUM COIL)		WEIGHT CHART (WITH COPPER COIL)														
UNIT	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	STD UNIT	CORNER W	CORNER X	CORNER Y	CORNER Z	STD UNIT	CORNER W	CORNER X	CORNER Y	CORNER Z	LBS.	KG.	LBS.	KG.						
38AK007	1'-6 1/2"	1'-2 3/4"	1'-8 1/2"	1'-3"	1'-2 1/4"	2'-8 5/16" [846.5]	340	154	86	39	53	24	77	35	124	56	386	175	106	48	65	30	82	37	133	60
38AK008	1'-8	1'-6 1/2"	1'-9 1/2"	1'-6"	2'-5 5/16"	3'-5 7/16" [1052.5]	370	168	86	39	78	35	99	45	107	49	438	199	114	52	95	43	108	49	121	55
38AK012	1'-9	1'-8	2'-0"	1'-10"	2'-5 5/16"	3'-5 7/16" [1052.5]	395	179	89	40	92	42	109	49	105	48	472	214	118	53	116	53	119	54	119	54
38AKS008	1'-6	1'-4 3/4"	1'-7 1/2"	1'-4 1/2"	2'-8 13/16" [858.8]	3'-5 7/16" [1052.5]	510	231	115	52	89	40	139	60	173	87	578	262	143	65	108	48	142	64	187	85
38AKS009	1'-7	1'-5	1'-7 1/2"	1'-4	2'-8 13/16" [858.8]	3'-5 7/16" [1052.5]	564	256	133	60	97	44	141	64	193	88	632	287	161	73	114	52	150	68	207	94
38AKS012	1'-7	1'-7 1/2"	1'-4	1'-4	2'-8 13/16" [858.8]	3'-5 7/16" [1052.5]	564	256	133	60	97	44	141	64	193	88	632	287	161	73	114	52	150	68	207	94

- NOTES:
1. DIMENSIONS IN [] ARE IN MILLIMETERS.
 2. CENTER OF GRAVITY. SEE CHART FOR DIMENSIONS.
 3. DIRECTION OF AIR FLOW.
 4. MINIMUM CLEARANCE (LOCAL CODES OR JURISDICTION MAY PREVAIL).
 - a. BOTTOM TO COMBUSTIBLE SURFACES, 0 INCHES.
 - b. CONDENSER COIL, FOR PROPER AIR FLOW, 36 INCHES.
 - c. SIDE, 36 INCHES.
 - d. BETWEEN UNIT, CONTROL BOX SIDE, 42 IN. PER NEC.
 - e. BETWEEN UNIT AND BLACK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES, CONTROL BOX SIDE, 42 IN. PER NEC.
 - f. GROUNDED SURFACES, CONTROL BOX SIDE, 42 IN. PER NEC.
 5. COIL AS SHOWN IS NON-REMOVABLE. COIL AS SHOWN IS NON-REMOVABLE. COIL AS SHOWN IS NON-REMOVABLE.
 6. FENCE OR BARRICADE REQUIRED NO CLEARANCE. FENCE OR BARRICADE REQUIRED NO CLEARANCE. FENCE OR BARRICADE REQUIRED NO CLEARANCE.

