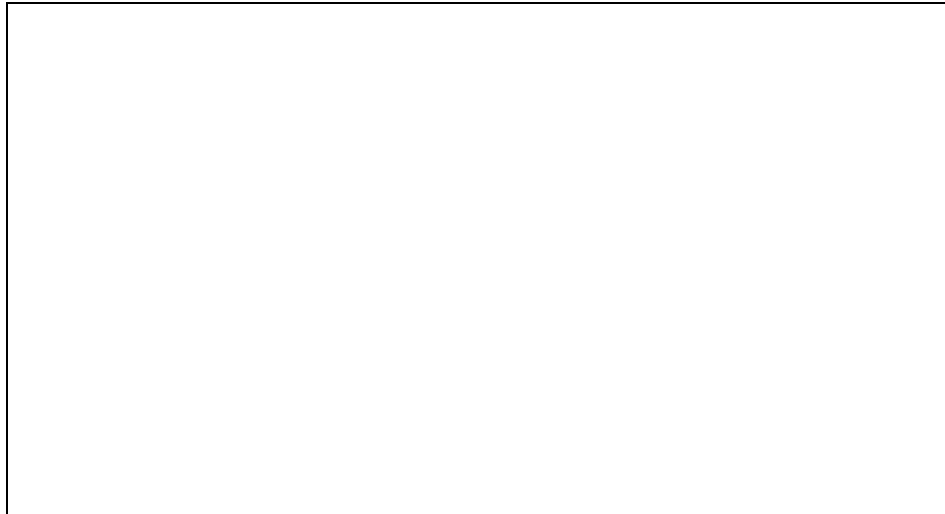




38AKS014, 016 & 024

AIR-COOLED CONDENSING UNITS

- PERFORMANCE DATA**
- CERTIFIED DIMENSION PRINT**
- CENTER OF GRAVITY AND
OPERATIONAL CORNER WEIGHTS**



Date:	Supersedes:	3AKS014, 016 & 024 AIR-COOLED CONDENSING UNITS	38AKS	Rev: -6SB
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 in various combinations to provide customized packages to cover a wide range of cooling requirements. Powerful, direct-drive axial-flow fans are mounted horizontally with vertical coils resulting in a desirable low silhouette.

FEATURES

Standard one-year unit warranty. Extended five-year protection plan on motor-compressor (38AKS014 and 016 only).

UL listing applies to standard base units in 208-230 and 460 volts.

Reciprocating, serviceable hermetic compressor with spring isolators, suction pressure actuated cylinder unloader, automatically reversible oil pump, thermal overload protection, and service valves.

Painted cabinet of galvanized steel, bonderized and finished with baked enamel.

Copper tube/aluminum fin condenser coils with mechanically bonded plate fins and subcooling circuit.

Speed controllable motor in no. 1 position for use with Motormaster® head pressure controller.

Hot gas muffler.

Specially designed direct-drive condenser fan motors with "Finger Flex" mounting to reduce vibration, permanently lubricated and inherently protected. These fans permit efficient operation which minimizes sound levels.

Holding charge of R-22.

Stub in hot gas line for easy installation of hot gas bypass valve.

Time Guard® circuit prevents compressor short cycling.

Crankcase heaters.

High- and low-pressure switches.

Excessive pressure-relief, fusible plug.

24-volt control circuit.

Fan cycle head pressure control using refrigerant pressure.

PERFORMANCE DATA

Cooling Capacity _____ Btuh	Compressor Power Input _____ kW
Ambient Air Temperature _____ F	Condenser Fan Power Input _____ kW
Saturated Suction Temperature _____ F	Compressor Unloading Steps _____ %
Saturated Condensing Temperature _____ F	Minimum Ambient Air Temperature Standard Unit _____ F

ELECTRICAL DATA

Unit Power Supply _____ Volts _____ Ph _____ Hz.

Minimum Circuit Amps _____ . Maximum Fuse Amps _____ .

FACTORY-INSTALLED OPTIONS

- ☐ Condenser Coil Options:
Copper Fins
E-Coated Aluminum Fins
E-Coated Copper Fins
Pre-coated Aluminum Fins

FIELD-INSTALLED ACCESSORIES

- | | |
|---|---|
| ☐ Motor Low-Ambient Head Pressure Control to -20 F Ambient | ☐ Thermostats |
| ☐ 24-v Control Transformer — Relay Package | ☐ Gage Panel |
| ☐ Pressure-Operated Unloader to 33% (38AKS014, 016 Only) | ☐ Hail Guard Package |
| ☐ Coil Grille | ☐ Modupanel™ Control Box |
| ☐ Winter Start Time Delay Relay Package | ☐ Hot Gas Bypass Kit |
| | ☐ Part Winding, Start Timing Relay |

CUT ALONG DOTTED LINE

CUT ALONG DOTTED LINE

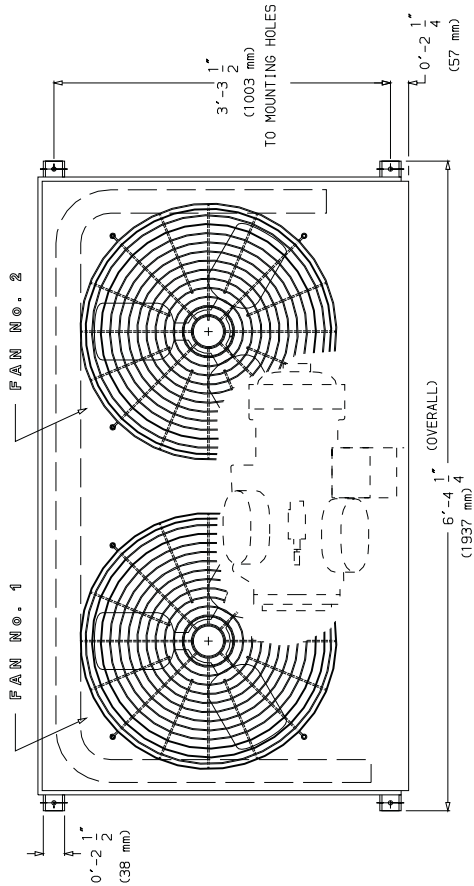
CERTIFIED DIMENSION PRINT



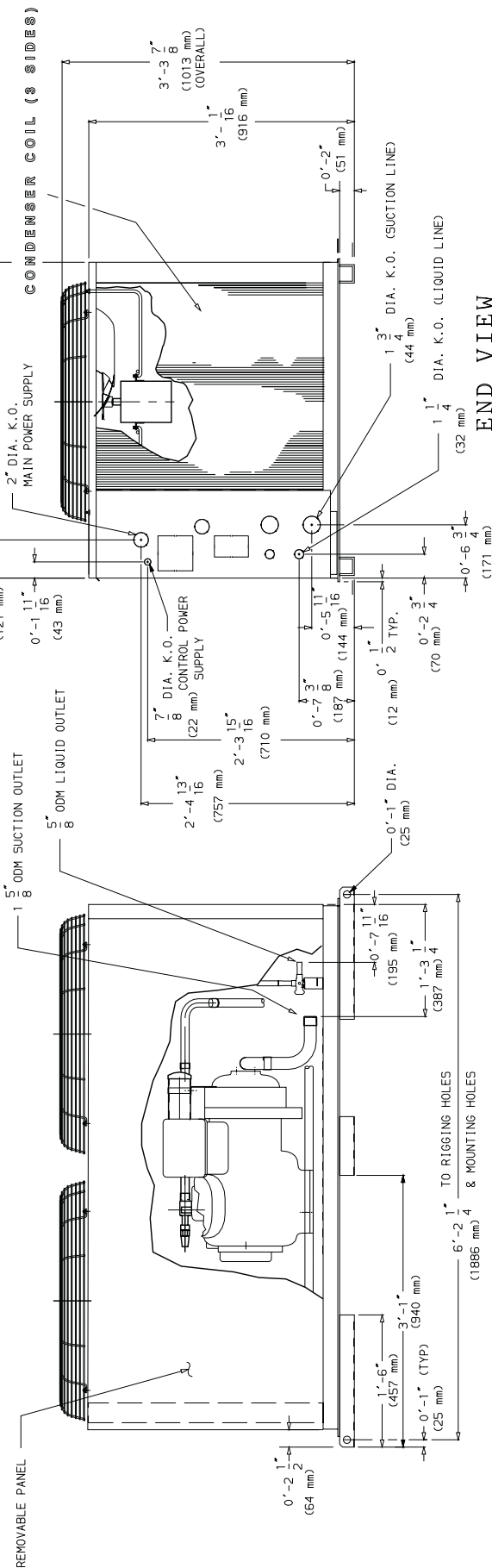
UNITED
TECHNOLOGIES
CARRIER

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SPRINGFIELD, N. Y.
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TOP VIEW



SIDE VIEW

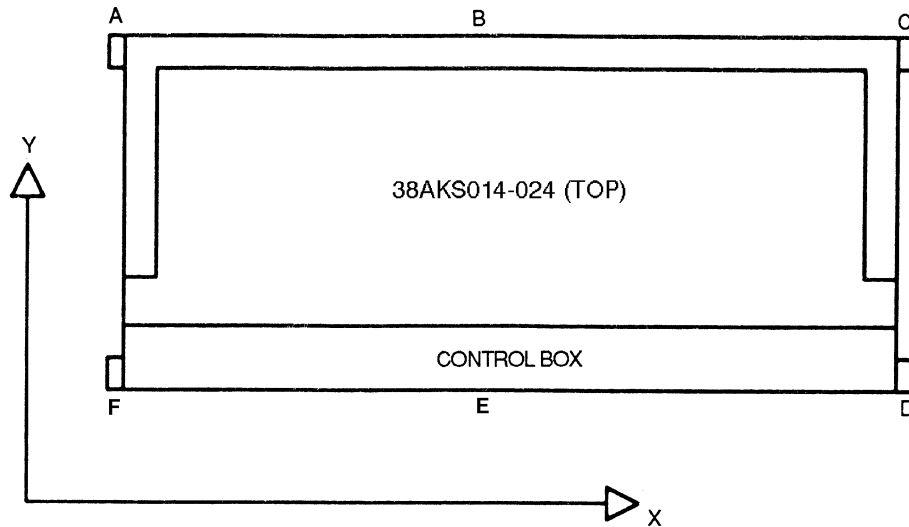
END VIEW

UNIT	WEIGHT	
	Lbs	Kg
38AKS014	779	353
38AKS016	789	358
38AKS024	900	408

DATE	SUPERSEDES	10/22/97	38AKS014, 016, 024 AIR COOLED CONDENSING UNIT	REV
04/23/02				C

38AKS014-024

CENTER OF GRAVITY AND OPERATIONAL CORNER WEIGHTS



UNIT 38AKS	CENTER OF GRAVITY (in.)	
	X	Y
014	38	16
014C	38	18
016	38	16
016C	38	18
024	37	17
024C	37	19

UNIT 38AKS	TOTAL WEIGHT (lb)	OPERATIONAL CORNER WEIGHTS (lb)					
		A	B	C	D	E	F
014	779	95	94	94	164	166	166
014C	919	131	129	128	176	177	178
016	789	95	95	96	167	168	168
016C	929	131	130	130	178	180	180
024	900	119	114	113	179	185	190
024C	1040	155	150	146	191	196	202

LEGEND

C — Copper Fin Coils