

# Technical Data

AEW24DTH1, AEH24DTH1, AEM24DTH1

## ⚠ WARNING



### Electrical Shock Hazard

Death or serious injury can result from failure to follow these instructions.

- Service by a qualified service technician only.
- Disconnect power before servicing this product.
- Reconnect all grounding devices after service.
- Replace all parts and panels before operating.

## ⚠ WARNING:

DISCONNECT UNIT FROM ELECTRICAL POWER SUPPLY BEFORE MAKING ANY ELECTRICAL CHECKS.

MAXIMUM CURRENT LEAKAGE: 0.75 MILLIAMPS - ALL MODELS

MAXIMUM GROUND PATH RESISTANCE: 0.1 OHM - ALL MODELS

### POWER SUPPLY

RATED VOLTAGE	VOLTAGE LIMITS
230/208V	198-253

Deg F	SENSOR RESISTANCE (OHM)	
	ROOM AIR	INDOOR COIL
32	49020	65890
50	29900	39980
70	17840	23790
90	10980	14650

### CURRENT-TEMPERATURE CHECK DATA

AIR TEMPERATURE CONDENSER IN °F		COOLING CURRENT	
		MIN.	MAX.
230V	80	9.5	10.0
230V	95	11.1	11.6
230V	110	13.2	13.8
208V	80	10.3	10.8
208V	95	12.0	12.5
208V	110	14.1	14.7

### TEMPERATURE DIFFERENTIAL CHECK DATA

EVAPORATOR AIR TEMP IN °F		EVAPORATOR AIR TEMP OUT °F	
		MIN.	MAX.
230V	70	43	47
230V	80	50	55
230V	90	60	66
208V	70	41	46
208V	80	49	56
208V	90	59	64

### FILTER

Check for cleanliness.

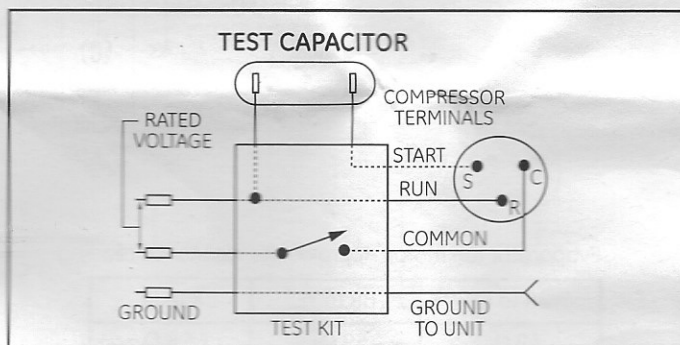
### CONDENSER

1. Check for blockage with dirt or other material.
2. Check for corrosion.

REFRIGERANT	AMOUNT OZ.
R410A	34.22

### RUN CAPACITOR CHECK

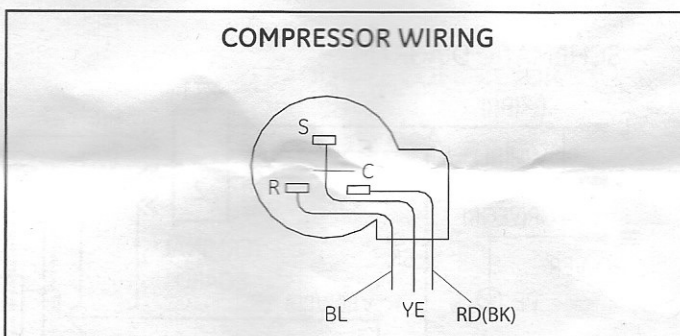
1. Replace unit run capacitor with a known good test capacitor which may be 10 MFD higher than specified and attempt to start compressor.
2. If compressor starts, install a new run capacitor which has a rating specified for the unit.



### WIRING - COMPRESSOR DIRECT CHECK

## ⚠ WARNING:

1. Keep head clear of terminal area when cover is removed.
2. Check windings first. If open or grounded, DO NOT apply power to compressor terminals.



### CONTROL BOX & COVER

