

# Turbolytic™

**TO: AIR CONDITIONING AND REFRIGERATION SERVICE COMPANIES**

## TURBOLYTIC™ 50 & TURBOLYTIC JR.

**TWO Amrad Universal Motor-Start Capacitors...**

One single capacitor can replace up to 64 different motor – start capacitance values with a voltage rating from 125 VAC to 330 VAC.

**THIS IS NOT A MOTOR-RUN CAPACITOR**



**MADE IN THE USA**



This is a UL recognized, protected, capacitor manufactured and tested to the same standards of Amrad Engineering capacitors. From the same company that produces the highly reliable product line of Universal Motor-Run Capacitors - The Turbo 200®.

For your safety, performance and reliability, The Turbolytic™ 50 and Jr. has been tested and approved to the highest certification level of UL (Underwriter's Laboratories) Standard 810; 10,000 AFC; Protected.

**5 YEAR WARRANTY**

It's not just rhetoric - It's based on facts and performance!



A DIVISION OF AMERICAN RADIONIC CO., INC. - EST. 1939  
A LEADING MANUFACTURER OF CAPACITORS  
PALM COAST, FLORIDA 32137 USA

For Technical Questions or Support

**800-445-6033** (Days)

or **386-451-2122** (Evenings/Weekends)

Fax 386-445-6871

**FOR AN AUTHORIZED WHOLESALER NEAREST YOU,  
PLEASE CONTACT AMRAD AT 800-445-6033**

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Sub-Distributor



Part no. 1739

The TURBOLYTIC™ 50 is produced under one or more American Radionic patent numbers: 7,474,519; 7,423,861; 7,203,053; 6,014,308; 5,313,360; 4,312,145; 4,312,027; 4,028,595; 3,921,04. The Turbo200® series is designed, developed and manufactured by American Radionic Co., Inc., Palm Coast, Florida USA  
32 Hargrove Grade • Palm Coast, FL 32137 USA

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# Turbolytic50™ & Turbolytic Jr.

These are the most popular motor start capacitance values used in air conditioning and refrigeration.

Items 1 to 14, (up to 270 - 324 microfarads), are available in the Turbolytic 50™

For lower capacitance values, the smaller Turbolytic Jr. covers all ranges up to and including 189-227 mfd (Items 1 to 12)

The Turbolytic 50™ size is: 2.5 inch round (base) x 5.75 inch height. (not including terminals)

The Turbolytic™ size is: 2.5 inch round (base) x 4.50 inch height. (not including terminals)



## HOW IT WORKS

ONE "SIDE" OF THIS CAPACITOR IS THE BLACK CENTER TERMINAL	ITEM	TO REPLACE A CAPACITOR IN THIS RANGE*	USE THESE MFD VALUES ON THE TURBOLYTIC OR TURBOLYTIC JR	FINAL REPLACEMENT VALUE WHICH THEN FALLS WITHIN THE APPROPRIATE RANGE. (IN MFD)
<p><b>Example:</b> To replace a defective 108-130 MFD motor-start capacitor</p> <p>Yellow Jumper Wire</p> <p>Connect to Compressor: Attach wires from Turbolytic™50 to compressor in the same manner as the defective capacitor was installed.</p>	1	21-25 MFD	23 =	23 MFD TOTAL
	2	30-36 MFD	33 =	33 MFD TOTAL
	3	34-53 MFD	43 =	43 MFD TOTAL
	4	72-88 MFD	43 + 43 =	86 MFD TOTAL
	5	88-108 MFD	70 + 33 =	103 MFD TOTAL
	6	108-130 MFD	90 + 33 =	123 MFD TOTAL
	7	124-149 MFD	70 + 43 + 23 =	136 MFD TOTAL
	8	135-155 MFD	90 + 33 + 23 =	146 MFD TOTAL
	9	145-174 MFD	90 + 70 =	160 MFD TOTAL
	10	161-193 MFD	70 + 90 + 23 =	183 MFD TOTAL
	11	176-216 MFD	70 + 90 + 43 =	203 MFD TOTAL
	12	189-227 MFD	70 + 90 + 33 + 23 =	216 MFD TOTAL
	13	233-288 MFD	70 + 90 + 43 + 43 + 23 =	269 MFD TOTAL
	14	270-324 MFD	23 + 33 + 43 + 43 + 70 + 90 =	302 MFD TOTAL

[ \*Note: Motor-Start microfarad (mfd) capacitance values are always shown as a range (low to high) ].