

# PRODUCT INFORMATION PACKET



Model No: C871  
Catalog No: C871  
1.0 HP General Purpose Motor, 1 phase, 1800 RPM, 115/230 V, 56 Frame, TEFC  
Single Phase TEFC Motors



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The REGAL logo consists of the word 'REGAL' in a bold, white, sans-serif font, set against a dark grey rectangular background with a slight shadow effect.

REGAL



**Nameplate Specifications**

Output HP	<b>1.0 Hp</b>	Output KW	<b>0.75 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/230 V</b>
Current	<b>14.0/7.0 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1</b>	Phase	<b>1</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Frame	<b>56</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>Automatic</b>	Ambient Temperature	<b>40 °C</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>		

**Technical Specifications**

Electrical Type	<b>Capacitor Start, Induction Run, Single Or Dual Voltage</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Clockwise/Counterclockwise</b>
Mounting	<b>Resilient Base</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>Keyed</b>	Overall Length	<b>13.61 in</b>
Frame Length	<b>6.63 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.94 in</b>		

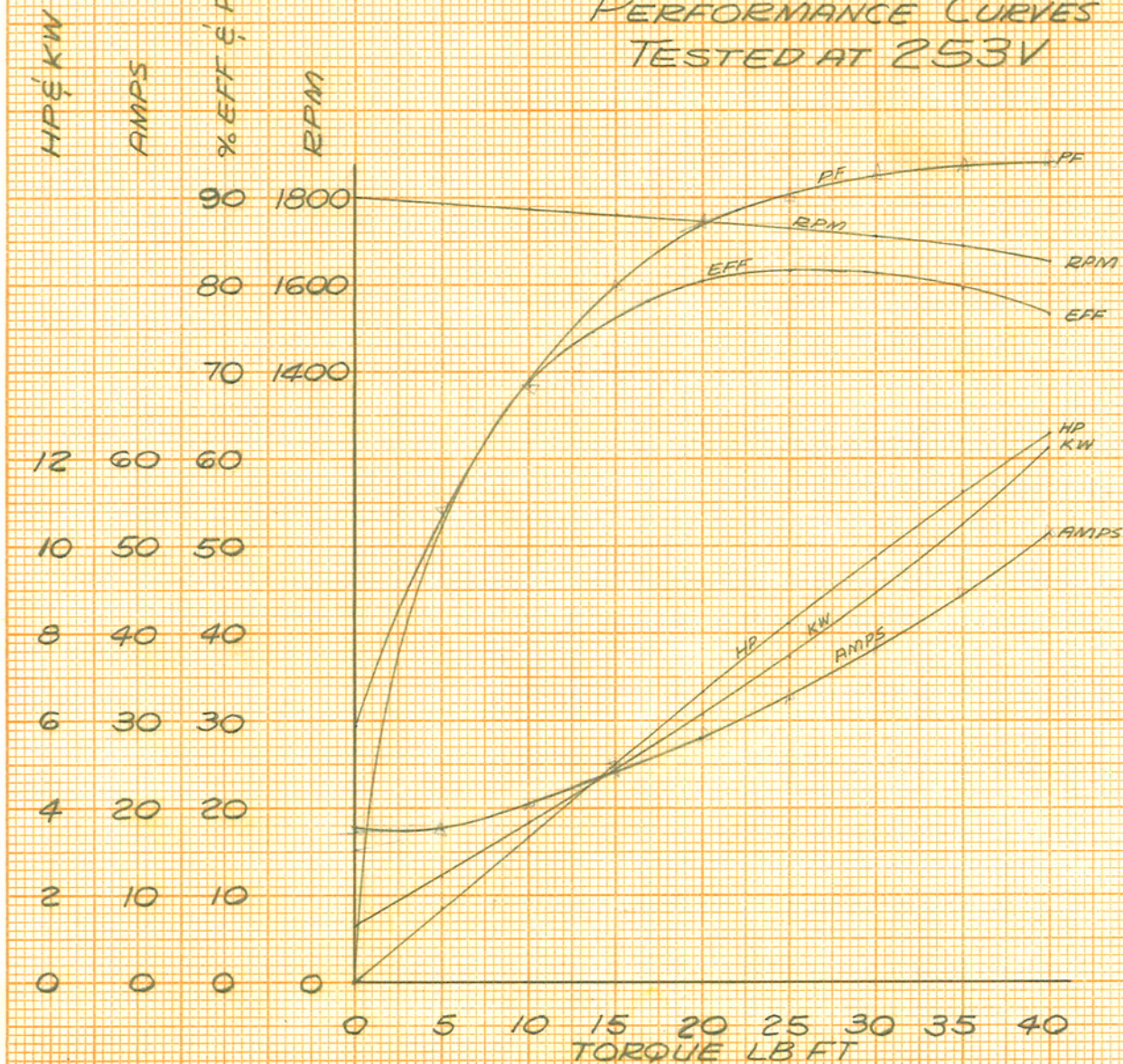
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EX 1827-1

A. O. SMITH CORP  
 ELECTRIC MOTOR DIVISION  
 5 HP, 230V, 60<sup>n</sup>, 1 $\phi$ , 1800 RPM, HERMETIC MOTOR  
 PERFORMANCE CURVES  
 TESTED AT 253V



ST T = 40 LB FT  
 BDT = 57 LB FT  
 ST A = 143 AMPS  
 ST CAP = 220 MFD  
 RUN CAP = 72 MFD

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