



**ELECTRIC MOTORS, GEARMOTORS AND DRIVES**

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**Product Features**

List Price : \$ 526

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<b>Catalog No</b> 098015.00	<b>Model</b> CI42D17FT2C
<b>Product type</b> DC	<b>Stock</b> Stock
<b>Description</b> ,37KW.1800RPM.71D.IP54.180V.S1.40C.1,0SF.SPECIAL.DC METRIC.CI42D17FT2C	

Information shown is for current motor's design

[View Outline](#)

**Engineering Data**

<b>RPM</b> 1800	<b>HP</b>	<b>Serv. Factor</b> 1,0
<b>KW</b> ,55	<b>Form Factor</b> 1,05	<b>Amps</b> 3,5
<b>KW2</b> ,37	<b>Form Factor 2</b> 1,40	<b>FLA2</b> 2,5
<b>Volts</b> 180	<b>Frame</b> 71D	

<b>Max Amb</b> 40	<b>Duty</b> S1	<b>TYPE</b> M71-12
<b>Insul Class</b> F3	<b>Enclosure</b> IP54	<b>Bearing</b> OPE
<b>Protection</b> NOT	<b>Protector</b>	<b>Bearing</b> PE
<b>EFF</b> 83.7	<b>Torque</b> 17.5 LB-IN	
<b>UL</b> Yes	<b>CSA</b> Yes	<b>CE</b> Yes
<b>Motor Wt.</b> 29	<b>Nameplate</b> 081271	<b>Lubrication</b>
<b>Carton Label</b> IEC		
<b>Assembly</b>	<b>Mounting</b> SPECIAL	<b>Rotation</b> RECONN
<b>Winding</b> D4726	<b>Ext. Diag.</b>	<b>Ext. Diag2</b>
<b>GROUP:</b> 1 L	<b>Shaft Dia.</b> 14 MM	<b>Packaging</b> PG659401.08B
<b>Sub Group</b> L	<b>Paint</b> 305002.01	
<b>Test Card</b> 02	<b>Outline</b> <a href="#">027543</a>	<b>Cust Part No</b> MULTIPLE

	<b>RMS Amps</b>	
<b>AB Code</b>	<b>RMS Amps</b>	
<b>Resistance</b>	<b>Peak</b>	
<b>Connection</b>	<b>Peak@DegC</b>	
		<b>Const Torque Speed Range</b>

**Rework Status**                      **Rework TYPE**

**Explosion Proof**

<b>Temp Op Code</b>		<b>Brake Motors</b>
<b>Class</b>	<b>GROUP:</b>	<b>FORCE</b>
<b>Class</b>	<b>GROUP:</b>	<b>VDC</b>
		<b>ADC</b>
		<b>Brake Coil OHMs @25 C</b>

**Performance**

<b>Torque UOM</b>	197 LB-IN	<b>Inertia (WK<sup>2</sup>)</b>	7.8 LB-IN^2
<b>Torque</b>	0		36

<b>CURRENT (amps)</b>	.23	2.49	4.89
<b>Efficiency (%)</b>	0	.837	.768
<b>PowerFactor</b>			

**Load Curve Data**

Output Pwr (HP)	RPM	AMP	Torque (LB-IN)	Eff	Watts	Watts Loss	Volts
0	1937	.23	0	0	0	42	180
.5	1761	2.49	18	.837	375	73	180
.91	1586	4.89	36	.768	676	204	180