

# PRODUCT INFORMATION PACKET



Model No: C143T17DK6A

Catalog No: 121935.00

..1HP..1760RPM.143TC.DP.230/460.3PH.60/50HZ.CONT.40C.1.25SF.RIGID C.C143T17DK6A.....

Open Drip Proof (ODP)



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### Nameplate Specifications

Output HP	<b>1 Hp</b>	Output KW	<b>0.75 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>3.1/1.5 A</b>	Speed	<b>1760 rpm</b>
Service Factor	<b>1.25</b>	Phase	<b>3</b>
Efficiency	<b>85.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>N</b>	Frame	<b>143TC</b>
Enclosure	<b>Drip Proof</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>N</b>
IP Code	<b>22</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>T</b>
Overall Length	<b>12.19 in</b>	Frame Length	<b>7.00 in</b>
Shaft Diameter	<b>0.875 in</b>	Shaft Extension	<b>2.25 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>028992-700</b>	Connection Diagram	<b>005010.20</b>

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



**LINE LEADS**



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

DRAWING REVISION **G** REVISION BY **MVG** DATE **04/05/2017**

ECO **ECO-0121253** APPROVED BY **SM** DATE **04/05/2017**

ECO DESCRIPTION  
**ADDED P1 & P2 FOR TSTAT**

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

**REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°**  
**CORNER FILLETS: R.02 [.51]**  
**MACHINED SURFACES: 125/3.2 INCH/mm**  
**mm SHOWN IN [BRACKETS]**

DRAWN BY **DBT 12/16/97**

DATE

APPROVED BY **KH 12/17/97**

DATE

REFERENCE  
THIRD ANGLE PROJECTION

**REGAL**™ Regal Beloit America, Inc.

DESCRIPTION  
**CONN DIAGRAM-EXTERNAL**  
**3 PHASE WITH PROTECTOR**

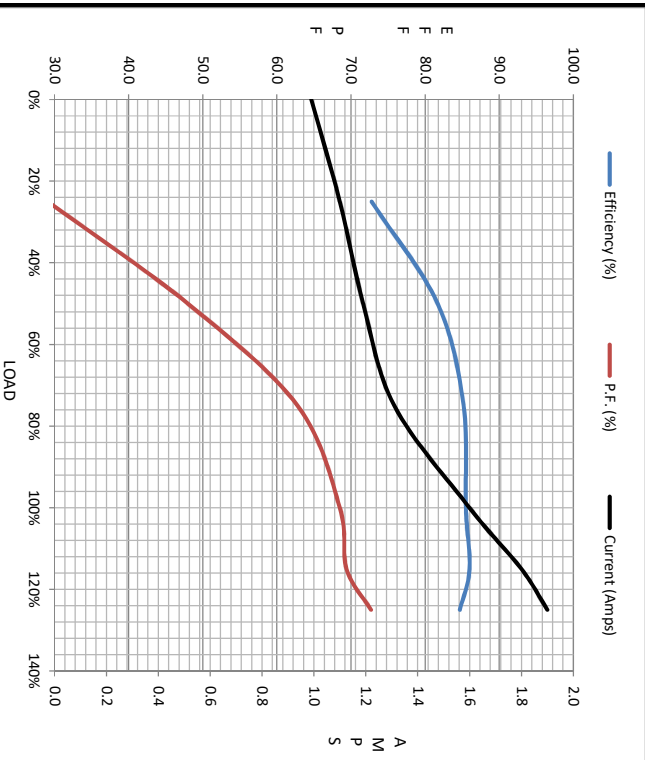
MATERIAL <b>DECAL - 004014 (TSTAT) - 080582</b>	PROCESS/FINISH <b>STOCK</b>
SIZE <b>A</b>	DRAWING NUMBER <b>00501020</b>
SHEET <b>1 OF 1</b>	



Motor Load Data						LR	
Load	0%	25%	50%	75%	100%	115%	125%
Current (Amps)	0.99	1.10	1.19	1.31	1.60	1.80	1.90
Torque (ft-lb)	0.00	0.73	1.47	2.22	2.98	3.4	3.8
RPM	1800	1791	1780	1770	1760	1754	1749
Efficiency (%)		72.8	81.7	85.2	85.5	86.0	84.7
P.F. (%)	8.2	29.1	48.0	62.8	68.5	69.4	72.7

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block				
Speed (RPM)	0	900	1575	1760	1800	HP	1.0	1800	140	1800
Current (Amps)	14.5	13.0	9.9	1.60	0.99	Sync. RPM	1400	DP	TDR	230/460#190/380
Torque (ft-lb)	12.0	11.0	15.0	2.98	0.00	Construction	60	Hz	60	Hz



Outline Dwg	028992-700			
Conn. Diag	005010.20			
Additional Specifications:				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000
EQUIV CKT (OHMS / PHASE)				
VFD Rating	NONE			
Sound Pressure @ 1M	0 dbA			
Rel Wdg	T634342 DR			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.12 LB-Ft²			
Ambient	40 °C			
Duty	CONT			
Temp Rise @ FL	21 °C			
Service Factor	1.15			
LR Code letter	N			
Design	A			
Frequency	60 Hz			
Voltage	230/460#190/380 V			
Construction	TDR			
Enclosure	DP			
Frame	140			
Sync. RPM	1800			
HP	1.0			

