

# PRODUCT INFORMATION PACKET



Model No: CZ6T17UK1B

Catalog No: 119511.00

1HP..1760RPM.56C.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID C  
FACE.CZ6T17WK51.....EXTREME DUCK STAINLESS.NONE.....

Encapsulated



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## Nameplate Specifications

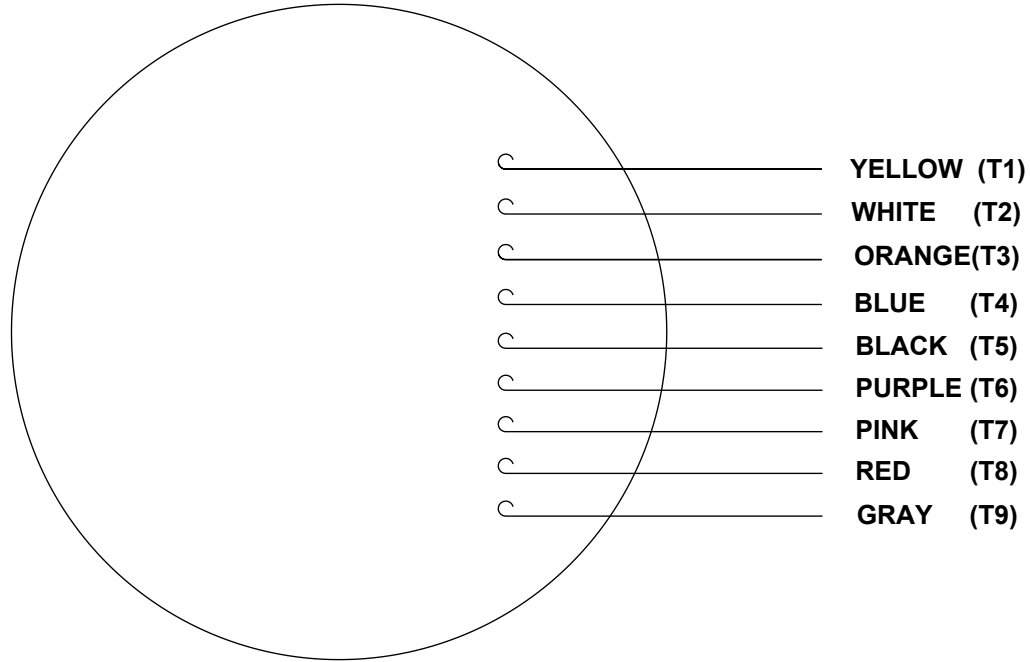
Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	3.2-3.2/1.6 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	N	Frame	56C
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	69		

## Technical Specifications

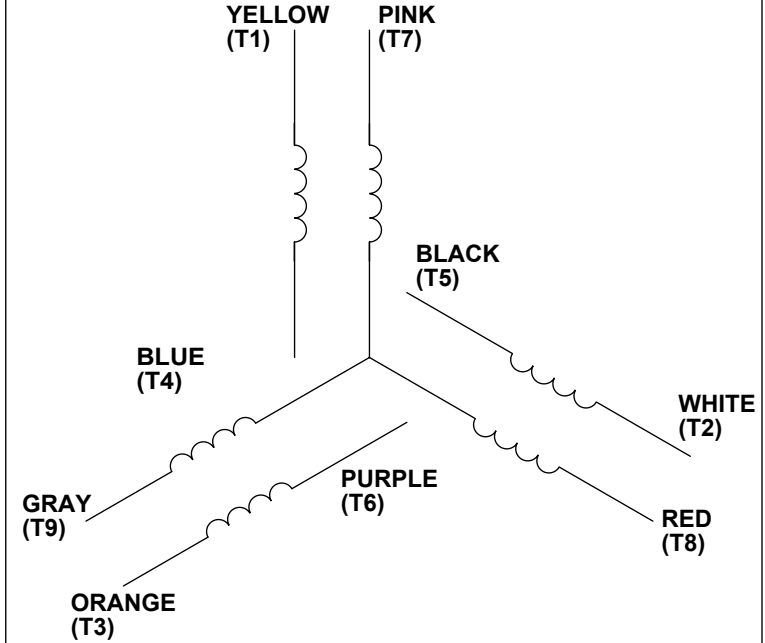
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Stainless Steel	Shaft Type	NEMA 56
Overall Length	11.94 in	Frame Length	7.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.87 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	607-0187-700	Connection Diagram	005010.52



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.




## 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

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DRAWING REVISION C	REVISION BY PVR	DATE 04/23/14	TOLERANCES UNLESS OTHERWISE SPECIFIED: <div><div>DEC.</div><div>INCH</div><div>mm</div><div>ANGLE</div></div> <div><div>.X</div><div>±0.1</div><div>[±2.5]</div><div>±0.5°</div></div> <div><div>.XX</div><div>±0.01</div><div>[±0.25]</div></div> <div><div>XXX</div><div>±0.005</div><div>[±0.127]</div></div> <div><div>.XXXX</div><div>±0.0005</div><div>[±0.0127]</div></div> <div>REMOVE BURRS &amp; BREAK SHARP EDGES: .003/.015 [.076/.381] CORNER FILLETS: .02 [.51] MACHINED SURFACES: 125/3.2/INCH mm mm SHOWN IN [BRACKETS]</div>	DRAWN BY LST	<div><div>REGAL™</div><div>Regal Beloit America, Inc.</div></div>				
ECO ECO-0049985	APPROVED BY JD	DATE 04/23/14		DATE 4/3/14					
ECO DESCRIPTION UPDATED PER ECO-0049985				APPROVED BY	DESCRIPTION <div>LEAD ASSY EXT. WIRING DIA. 3 PH. W/O PROT.</div>				
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				PROCESS/FINISH					
			THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER 00501052	SHEET 1 OF 1		

Data Sheet

Date: 1/30/2018

119511.00



Data @ 460 V

Motor Load Data

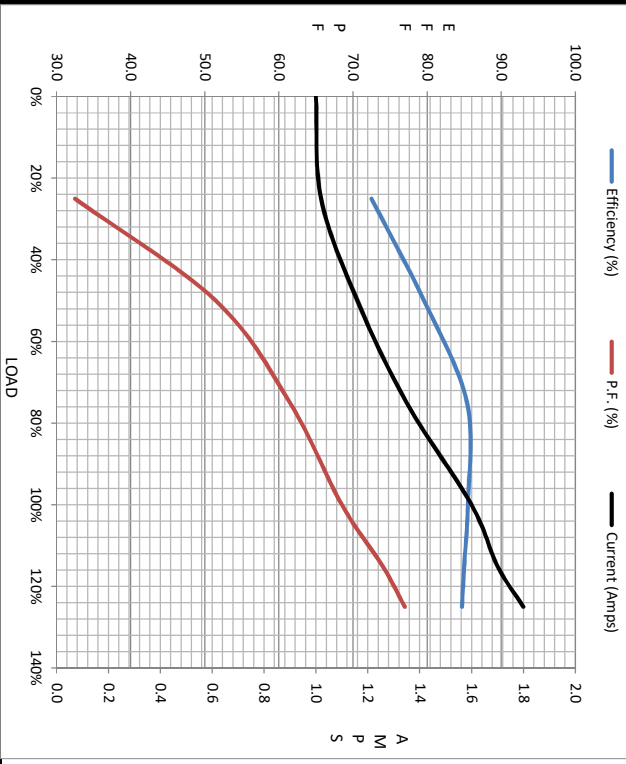
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.00	1.02	1.16	1.35	1.60	1.70	1.80	14.0	
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	3.5	3.8	12.0	
RPM	1800	1789	1779	1769	1760	1,750	1745	0	
Efficiency (%)		72.5	79.6	85.4	85.5	85.0	84.7		
P.F. (%)	8.0	32.5	51.5	61.5	68.5	74.0	77.0	41.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1170	1760	1800
Current (Amps)	14.0	13.0	9.9	1.60	1.00
Torque (ft-lb)	12.0	11.9	15.8	3.0	0.00

Information Block

HP		1.0		
Sync. RPM		1800		
Frame		140		
Enclosure		TEFC		
Construction		TFR		
Voltage		208-230/460#190/380 V		
Frequency		60 Hz		
Design		B		
LR Code letter		N		
Service Factor		1.15		
Temp Rise @ FL		38 °C		
Duty		CONT		
Ambient		40 °C		
Elevation		1,000 feet		
Rotor/Shaft wkt		0.12 Lb-Ft²		
Rel Wdg		T634342 FR		
Sound Pressure @ 1M		65 dBA		
VFD Rating		CONSTANT 6:1		
Outline Dwg		607-0187-700		
Conn. Diag		005010.52		
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

