

# PRODUCT INFORMATION PACKET

Model No: 145TTDR16020  
Catalog No: GT2406  
2,3600,DP,145JP,3/60/230/460  
JP



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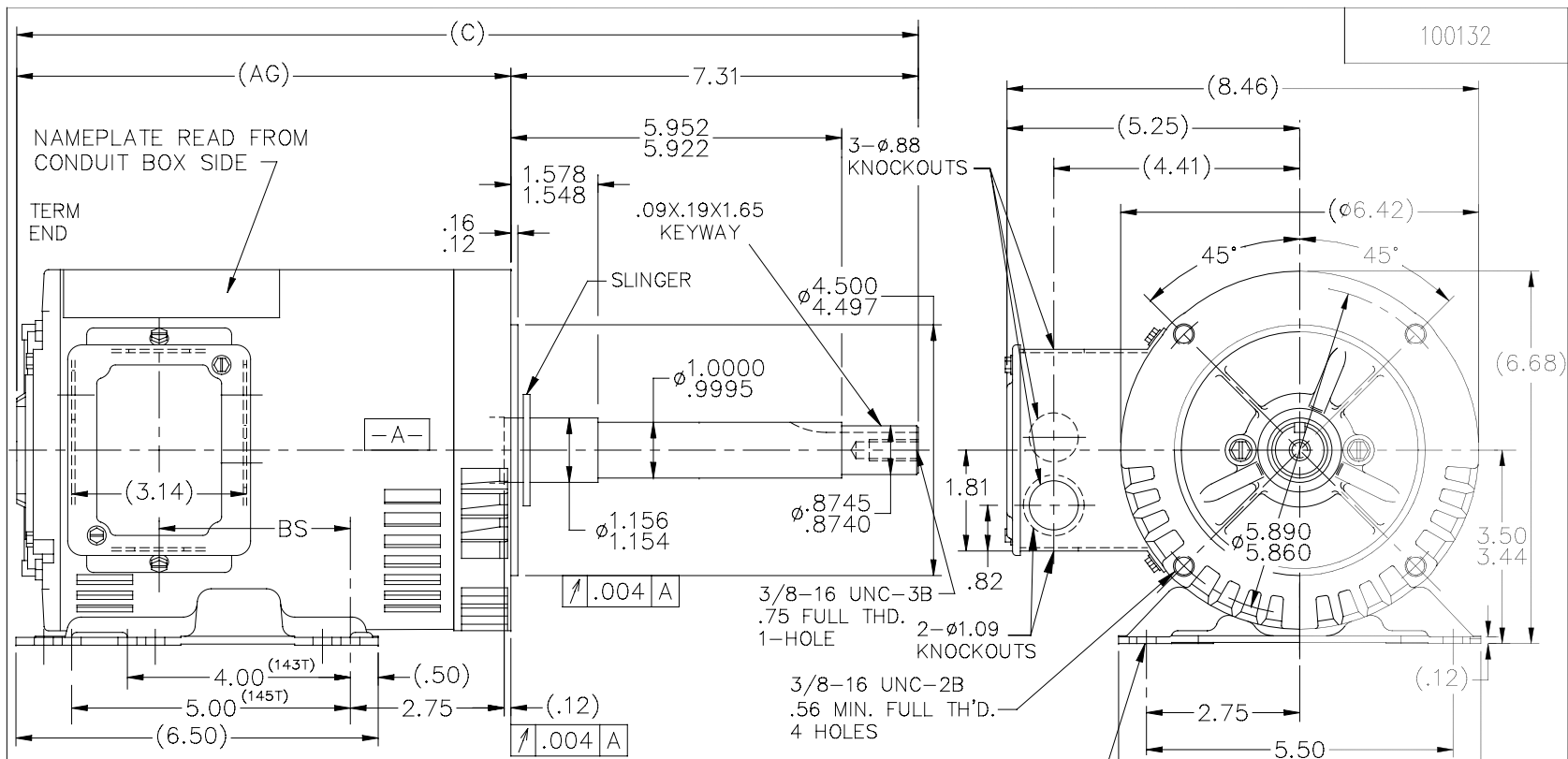


### Nameplate Specifications

Output HP	<b>2 Hp</b>	Output KW	<b>1.49 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>5.6/2.8 A</b>	Speed	<b>3510 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>86.5 %</b>	Duty	<b>CONTINUOUS</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>L</b>	Frame	<b>145JP</b>
Enclosure	<b>DP</b>	Overload Protector	<b>NOT</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6206</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>22</b>		

### Technical Specifications

Electrical Type	<b>SQ CAGE INV RATED</b>	Starting Method	<b>LINE OR INVERTER</b>
Poles	<b>2</b>	Rotation	<b>REV</b>
Mounting	<b>RIGID</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>JP</b>
Overall Length	<b>16.18 in</b>	Frame Length	<b>7.06 in</b>
Shaft Diameter	<b>0.88 in</b>	Shaft Extension	<b>7.31 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>A-100132-706</b>	Connection Diagram	<b>A-EE7308</b>



DASH	FR.	C	AG	BS	DASH	FR.	C	AG	BS
					806	140T	17.18	9.87	4.37
					856	140T	17.68	10.37	4.87
706	140T	16.18	8.87	3.37	906	140T	18.18	10.87	5.37
756	140T	16.68	9.37	3.87	956	140T	18.68	11.37	5.87

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH
					DEC.	INCHES	
9	CHANGED LOGO TO REGAL	SL 09-14-2015	AB	.XX	±.03		
8	REDRAWN IN AUTOCAD	TAT 07-13-2004	ML	.XXX	±.005		
7	REDRAWN ON CADD	BRH 11-06-1995		.XXXX	±.0005		
					±'.30"		

DRAWN BRH 11-02-1995  
CHK DA 11-06-1995  
APPD GK 11-06-1995  
SCALE 3=8  
REF  
FMF  
PREV

**REGAL**™ Regal Beloit America, Inc.

TITLE OUTLINE  
140 FR.-BB-DR.PR.-3ø-C' FACE-JP EXT.

RFP CAD FILE 100132  
DIST WP

SIZE	DRAWING NO.	PAGE	OF	REV.
A	100132			9

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EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 — WHITE  
L2 — RED  
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	FINISH	PREV
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		
					±7'30"		
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						DIST WP	
						CAD FILE ee7308	
						SIZE A	
						DRAWING NO. EE7308	
						PAGE OF 5	
						REV. 5	



TITLE CONNECTION DIAGRAM  
3Ø - DUAL VOLTAGE MOTOR

DRAWN RM 11/20/1990  
CHK ML 11/21/1990  
APPD SAS 04/24/2003  
SCALE 1=1  
REF  
FMF  
PREV





Data Sheet

Date: 15-06-2017  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



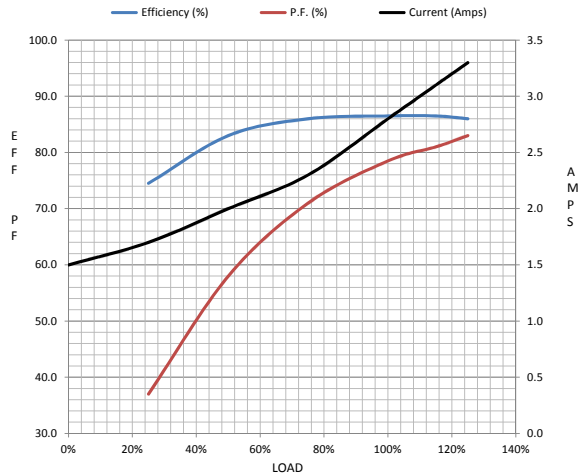
145TTDR16020

Submittal

Data @ 460 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.50	1.70	2.00	2.30	2.80	3.1	3.3	24.2	
Torque (ft-lb)	0.00	0.71	1.50	2.20	3.0	3.5	3.8	9.0	
RPM	3600	3580	3560	3540	3510	3,500	3495	0	
Efficiency (%)		74.5	83.0	86.0	86.5	86.5	86.0		
P.F. (%)	10.0	37.0	58.0	71.0	78.5	81.0	83.0	64.5	

Motor Speed Data						Information Block				
	LR	Pull-Up	BD	Rated	Idle					
Speed (RPM)	0	1500	2570	3510	3600	HP	2.0			
Current (Amps)	24.2	21.8	16.2	2.80	1.50	Sync. RPM	3600			
Torque (ft-lb)	9.0	11.0	12.8	3.0	0.00	Frame	145			
						Enclosure	DP			
						Construction	TDR			
						Voltage	30/460#190/38V			
						Frequency	60 Hz			
						Design	B			
						LR Code letter	L			
						Service Factor	1.15			
						Temp Rise @ FL	38 ° C			
						Duty	CONT			
						Ambient	40 ° C			
						Elevation	1,000 feet			
						Rotor/Shaft wk²	0.03 Lb-Ft²			
						Ref Wdg	ZT224 DR			
						Sound Pressure @ 1M	68 dBA			
						VFD Rating	CONSTANT 2:1			
						Outline Dwg	A-100132-706			
						Conn. Diag	A-EE7308			
						Additional Specifications:				
						0				
						365THFS8036				
						EQUIV CKT (OHMS / PHASE)				
						R1	R2	X1	X2	Xm
						0.0000	0.0000	0.0000	0.0000	0.0000



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Sync. RPM	3600			
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0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

