

# PRODUCT INFORMATION PACKET

Model No: 145TTDR16022  
Catalog No: GT4009  
3,3600,DP,145JMV,3/60/200  
JM



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### Nameplate Specifications

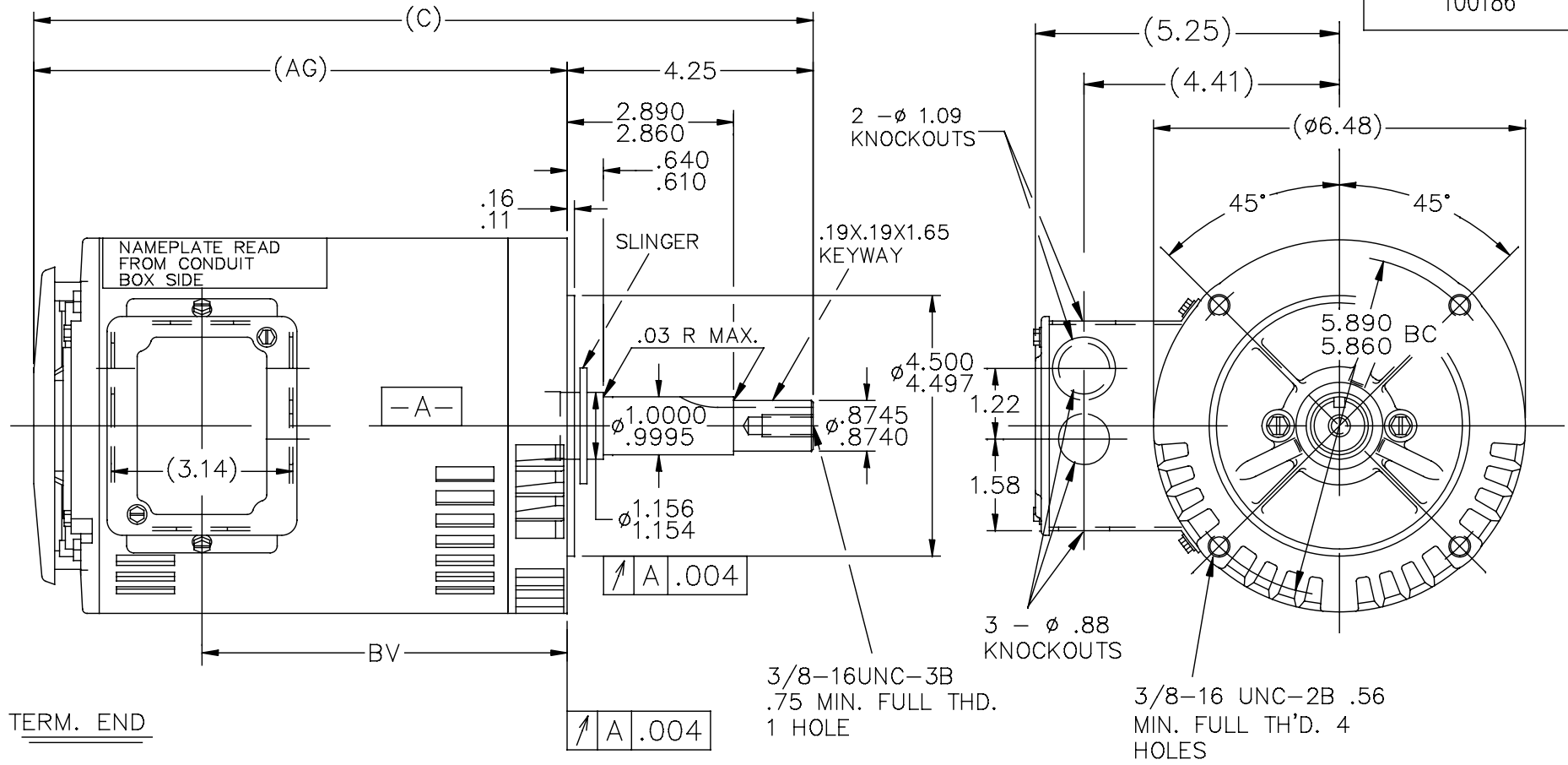
Output HP	<b>3 Hp</b>	Output KW	<b>2.24 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>200 V</b>
Current	<b>8.75 A</b>	Speed	<b>3510 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>87.5 %</b>	Duty	<b>CONTINUOUS</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>M</b>	Frame	<b>145JMV</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>ROUND</b>	Motor Orientation	<b>HORIZONTAL OR SHAFT DOWN</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>ROLLED STEEL</b>	Shaft Type	<b>JM</b>
Overall Length	<b>15.42 in</b>	Frame Length	<b>9.06 in</b>
Shaft Diameter	<b>0.88 in</b>	Shaft Extension	<b>4.25 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>A-100186-906</b>	Connection Diagram	<b>A-EE7300</b>

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100186



DASH	FRAME	C	AG	BV	DASH	FRAME	C	AG	BV
					806	140	14.42	10.17	7.31
656	140	12.92	8.67	5.81	856	"	14.92	10.67	7.81
706	140	13.42	9.17	6.31	906	"	15.42	11.17	8.31
756	140	13.92	9.67	6.81	956	"	15.92	11.67	8.81

NOTE: CONDUIT BOX CAN BE ROTATED 180°

NO.	REVISION	BY & DATE	CHK	ANG	FINISH	TOLERANCES UNLESS SPECIFIED		DRAWN SMC 10-30-1990			
						DEC.	INCHES				
6	UPDATED TO REGAL LOGO	SAJ 07-06-2015	VS	DEC.	INCHES	<b>Regal Beloit America, Inc.</b>	CHK ML 10-31-1990				
5	REVISED AK DIA ECR-0044440	SVL 11-06-2013	.X	±.1			APPD				
4	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML	.XX	±.03	TITLE OUTLINE 140T FR.-BB-DR.PR-C FACE-3φ-JM. EXT.	SCALE 3=8				
3	.75 FULL THD. WAS .88	CN 13229 RM 04-26-1991	.XXX	±.005			REF				
2	REDRAWN ON CADD	SMC 10-30-1990	.XXXX	±.0005	MAT'L.	FMF					
				±7'30"		PREV					
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						DIST WP					

**THREE PHASE - SINGLE VOLTAGE  
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:  
INTERCHANGE ANY TWO  
LINE LEAD CONNECTIONS.**

**TERMINAL BLOCK WHEN SPECIFIED**



**VIEW OF TERMINAL END**

**IF MOTOR HAS  
6 LEADS**



A-9806 DECAL

**OPTIONAL CORD  
CONNECTION**



DRAWING REVISION <b>AB</b>	REVISION BY <b>JJB</b>	DATE <b>06-27-2017</b>
ECO <b>ECO-0125361</b>	APPROVED BY <b>TB</b>	DATE <b>06-27-2017</b>
ECO DESCRIPTION <b>UPDATED TO CURRENT STANDARDS</b>		
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DRAWN BY <b>DA</b>
DATE <b>03-26-1993</b>
APPROVED BY <b>TB</b>
DATE <b>03-26-1993</b>
REFERENCE
THIRD ANGLE PROJECTION

<b>Regal Beloit America, Inc.</b>		
		DESCRIPTION <b>CONNECTION DIAGRAM</b> EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
MATERIAL	PROCESS/FINISH	
SIZE <b>A</b>	DRAWING NUMBER <b>EE7300</b>	SHEET <b>1 OF 1</b>

**CERTIFICATION DATA SHEET**

Model#: 145TTDR16022 AA                              WINDING#: ZT2175 NONE 3  
 CONN. DIAGRAM: A-EE7300                              ASSEMBLY: F1 ONLY  
 OUTLINE: A-100186-906

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3510	145JMV	DP	M	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	200	8.75	LINE OR INVERTER	CONTINUOUS	F3	1.15	40	3300

FULL LOAD EFF: 87.5	3/4 LOAD EFF: 88.2	1/2 LOAD EFF: 86.8	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83.5	3/4 LOAD PF: 77.3	1/2 LOAD PF: 65.7	85.5	SQ CAGE INV RATED	3.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	94.5	17.8 LB-FT 396	23.2 LB-FT 516	41

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	0.045 LB-FT^2	5 LB-FT^2	10 SEC.	2	43 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL OR SHAFT DOWN	FALSE	NONE	TRUE	NONE	BLUE (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE	POLYREX EM	JM	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
BALL	BALL						
6206	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 2:1
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
- FT-LB NONE V NONE Hz

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N  
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Data Sheet

145TTDR16022



Submittal  
Data @ 200 V

Date: 6/29/2017

Customer:  
Attention:  
Submitted by:

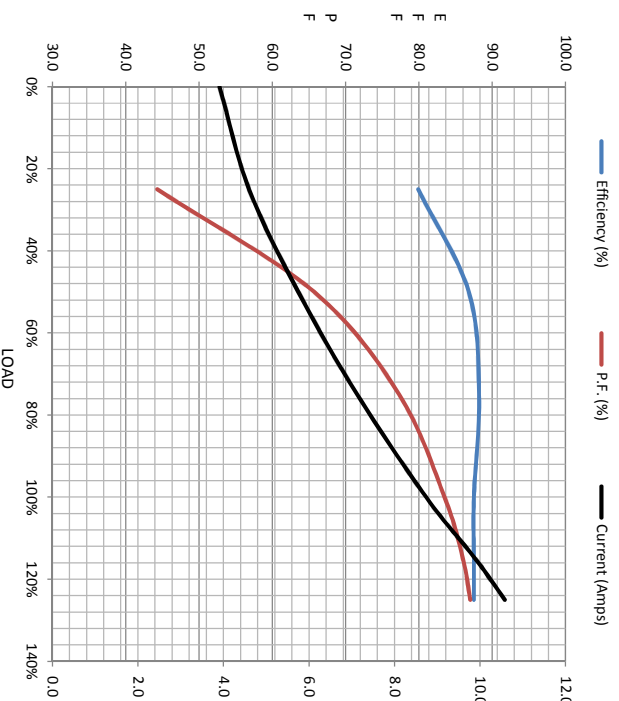
FAREEDA DUDEKULA

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	3.9	4.6	5.8	7.1	8.7	9.9	10.6	94.5
Torque (ft-lb)	0.00	1.10	2.21	3.3	4.5	5.2	5.7	17.8
RPM	3600	3580	3560	3535	3510	3495	3485	0
P.F. (%)	10.9	79.9	86.8	88.2	87.5	87.5	87.5	
		44.3	65.7	77.3	83.5	86.0	87.0	65.4

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block				
Speed (rpm)	0	255	2310	3510	3600	HP	3.0			
Current (Amps)	94.5	92.9	68.5	8.7	3.9	Sync. RPM	3600			
Torque (ft-lb)	17.8	15.7	23.2	4.5	0.00	Frame	145			
						Enclosure	DP			
						Construction	TDR			
						Voltage	200	V		
						Frequency	60	Hz		
						Design	A			
						LR Code letter	M			
						Service Factor	1.15			
						Temp Rise @ FL	41	° C		
						Duty	CONT			
						Ambient	40	° C		
						Elevation	1,000	feet		
						Rotor/Shaft wkt	0.05	Lb-Fe		
						Ref Wdg	Z12175	NONE		
						Sound Pressure @ 1M	68	dba		
						VFD Rating	CONSTANT 2:1			
						Outline Dwg	A-100186-906			
						Conn. Diag	A-EE7300			
						Additional Specifications:				
						EQUIV CKT (OHMS / PHASE)				
						R1	R2	X1	X2	Xm
						0.7330	0.4290	1.0190	0.9480	32.8150



Information Block

HP	3.0
Sync. RPM	3600
Frame	145
Enclosure	DP
Construction	TDR
Voltage	200 V
Frequency	60 Hz
Design	A
LR Code letter	M
Service Factor	1.15
Temp Rise @ FL	41 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wkt	0.05 Lb-Fe
Ref Wdg	Z12175 NONE
Sound Pressure @ 1M	68 dba
VFD Rating	CONSTANT 2:1
Outline Dwg	A-100186-906
Conn. Diag	A-EE7300
Additional Specifications:	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.7330	0.4290
X1	X2
1.0190	0.9480
Xm	
	32.8150

