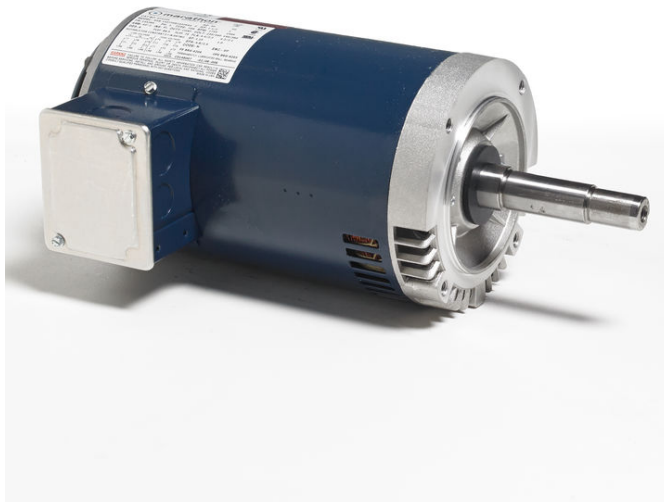


# PRODUCT INFORMATION PACKET

Model No: 143TTDR16007  
Catalog No: GT4203  
1 1/2,3600,DP,143JMV.3/60/575  
JM



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### Nameplate Specifications

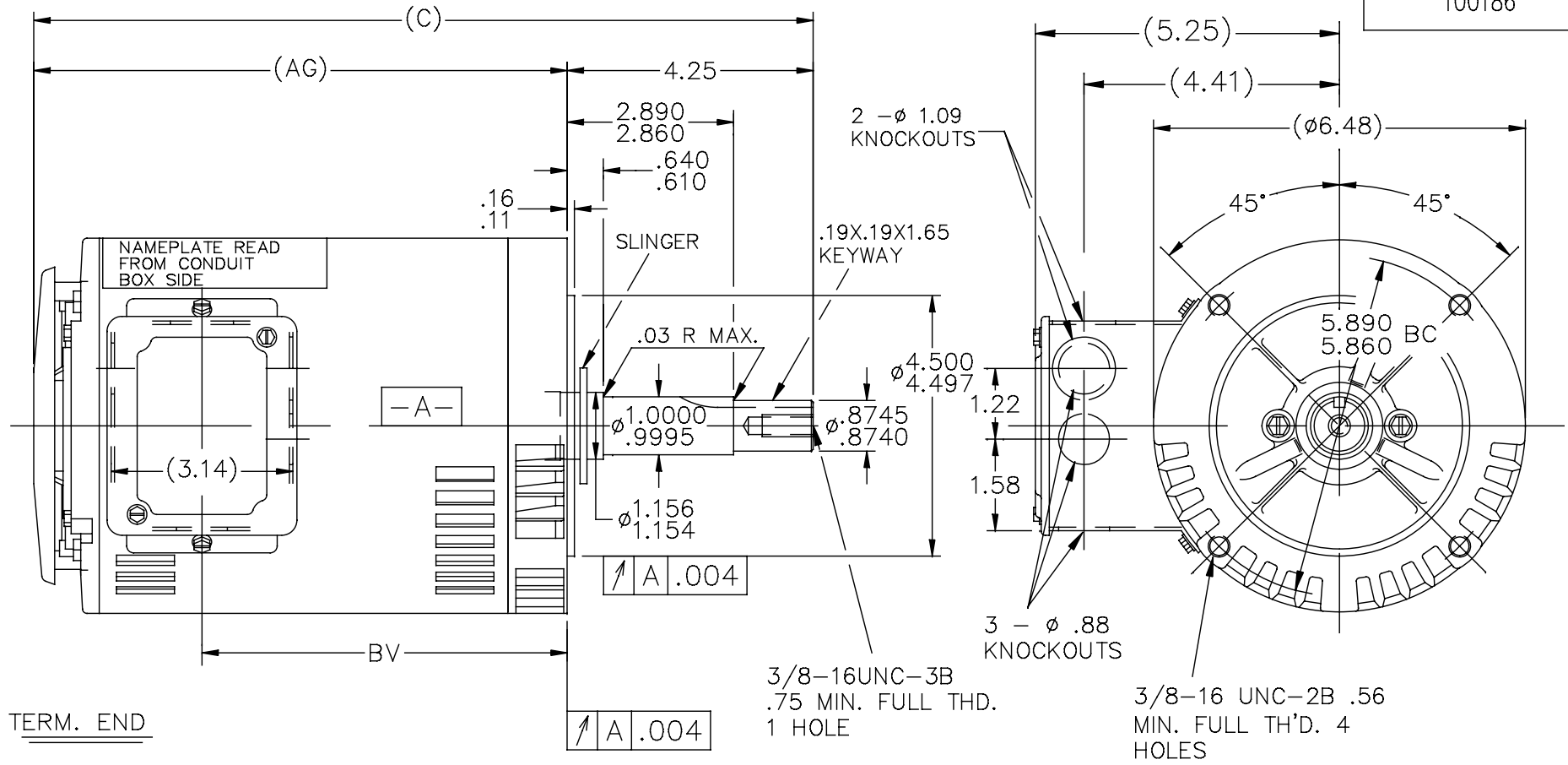
Output HP	<b>1.5 Hp</b>	Output KW	<b>1.12 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>1.5 A</b>	Speed	<b>3515 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>86.5 %</b>	Duty	<b>CONTINUOUS</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>L</b>	Frame	<b>143JMV</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>14.92 in</b>	Frame Length	<b>8.56 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-100186-856</b>	Connection Diagram	<b>A-EE7300</b>

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100186



TERM. END

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	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN SMC 10-30-1990			
					DEC.	INCHES					
6	UPDATED TO REGAL LOGO	SAJ 07-06-2015	VS					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	SCALE 3=8			
3	.75 FULL THD. WAS .88	CN 13229 RM 04-26-1991		.XXX	±.005		140T FR.-BB-DR.PR-C FACE-3Ø-JM. EXT.	REF			
2	REDRAWN ON CADD	SMC 10-30-1990		.XXXX	±.0005		MAT'L.	FMF			
					±7'30"			PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE 100186			SIZE A	DRAWING NO. 100186	PAGE OF 6	REV. 6
				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**

- L1 WHITE
- L2 RED
- L3 BLACK

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>



Data Sheet

143TDR16007



Submission  
Data @ 575 V

Date: 6/19/2017

Customer:   
Attention:   
Submitted by: FAREEDA DUDEKULA

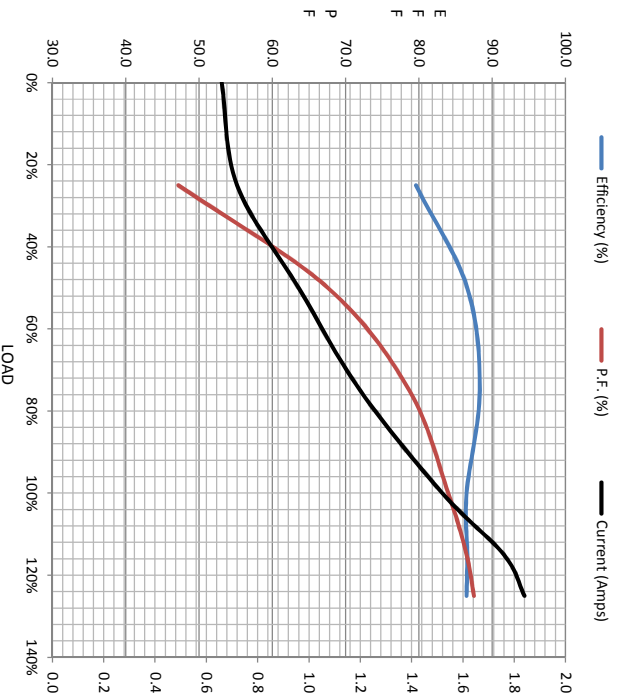
Load	Motor Load Data						
	0%	25%	50%	75%	100%	115%	125%
Current (Amps)	0.66	0.72	0.96	1.20	1.52	1.76	1.84
Torque (ft-lb)	0.00	0.55	1.10	1.68	2.25	2.60	2.80
RPM	3600	3580	3560	3540	3515	3505	3495
Efficiency (%)		79.6	86.6	88.3	86.5	86.5	86.5
P.F. (%)	14.3	47.2	67.6	78.7	84.0	86.5	87.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	215	2700	3515	3600
Current (Amps)	14.9	15.0	9.4	1.52	0.66
Torque (ft-lb)	6.8	5.7	10.0	2.25	0.00

Information Block

HP	1.5			
Sync. RPM	3600			
Frame	143			
Enclosure	DP			
Construction	TDR			
Voltage	575 V			
Frequency	60 HZ			
Design	A			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	20 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wkt	0.00 Lb-Fe			
Rel Wdg	Z1Z168 DR			
Sound Pressure @ 1M	68 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	A-100186-856			
Conn. Diag	A-EE7300			
Additional Specifications:				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
8.2730	5.9090	14.4780	14.7730	561.3910



Speed - Torque Curve

