

# PRODUCT INFORMATION PACKET

Model No: 143TTDR16043  
Catalog No: GT2001  
1,,1800,DP,143JMV,3/60/200  
JM



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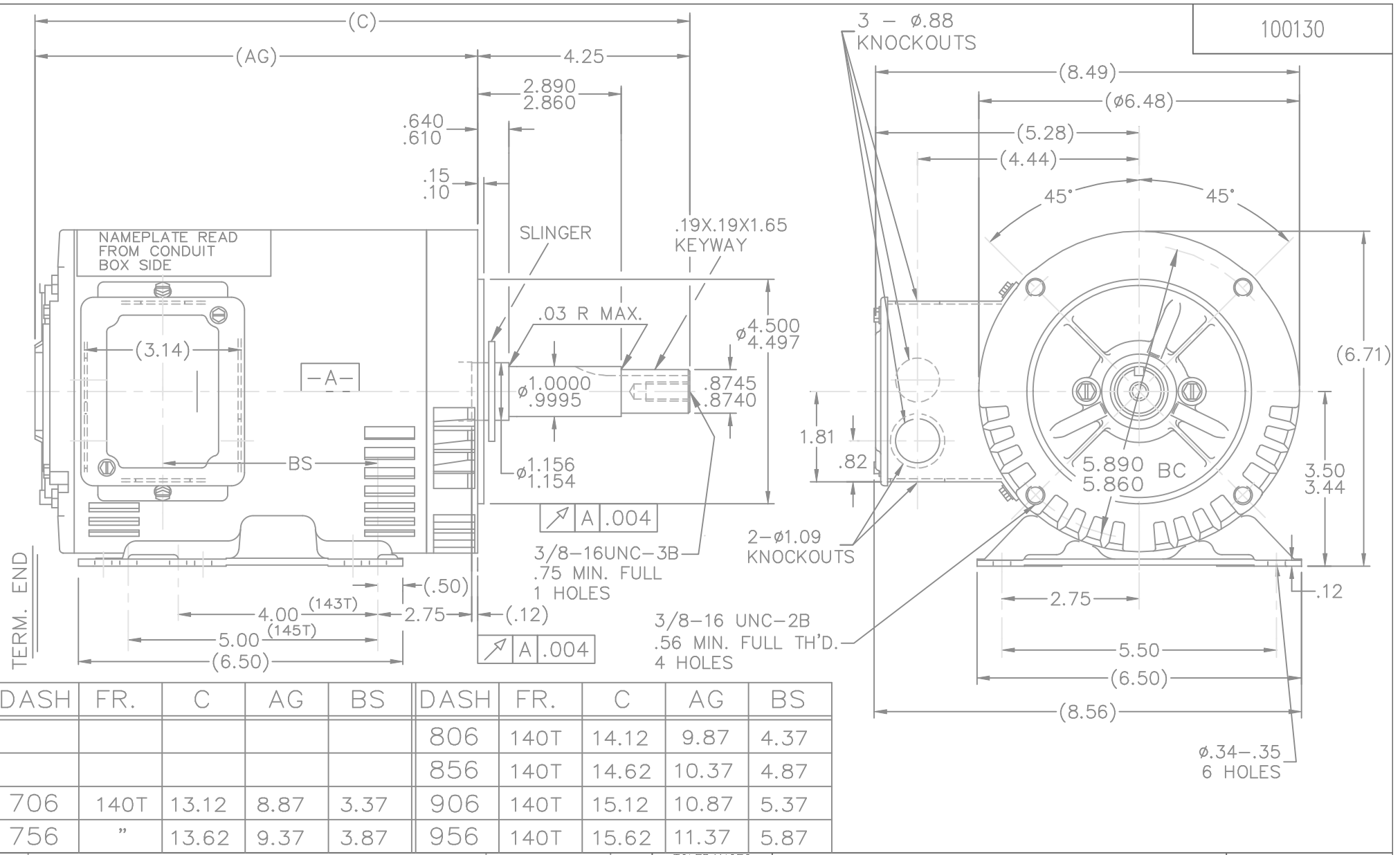


### Nameplate Specifications

Output HP	<b>1 Hp</b>	Output KW	<b>0.75 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>200 V</b>
Current	<b>3.45 A</b>	Speed	<b>1760 rpm</b>
Service Factor	<b>1.15</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>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>4</b>	Rotation	<b>REV</b>
Mounting	<b>RIGID</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>15.12 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-100130-906</b>	Connection Diagram	<b>A-EE7300</b>



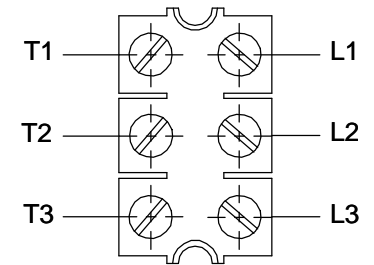
DASH	FR.	C	AG	BS	DASH	FR.	C	AG	BS
					806	140T	14.12	9.87	4.37
					856	140T	14.62	10.37	4.87
706	140T	13.12	8.87	3.37	906	140T	15.12	10.87	5.37
756	"	13.62	9.37	3.87	956	140T	15.62	11.37	5.87

				TOLERANCES UNLESS SPECIFIED			DRAWN SMC 09-30-1999					
NO.	REVISION	BY & DATE	CHK	ANG	±'		SCALE	REF	PAGE	OF	REV.	
5	UPDATED DRAWING	RJW 03-28-2007	ML	DEC.	INCHES	<b>TITLE OUTLINE</b> 140 FR. - DR. PR. 3Ø - C'FACE JM EXT.	CHK	ET 01-24-1999				
4	REMOVED THE DASH VALUE 656. ECN:9600	NB 11-20-2006		.X	±.1		APPD	ML 01-24-1999				
3	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML	.XX	±.03		SCALE	3=8				
2	ADDED PACKAGING DIMS. CN 27400-456	BR 09-30-1999		.XXX	±.005		REF					
1	REDRAWN ON CADD, ADDED DASH 956 3877534	SMC 01-23-1992		.XXXX	±.0005		FMF					
						MAT'L.						
						FINISH						
						CAD FILE	100130	SIZE	DRAWING NO.	PAGE	OF	REV.
						DIST	WP	A	100130			5

**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>

CERTIFICATION DATA SHEET

Model#: 143TTDR16043 AA WINDING#: ZT4259 NONE 8  
 CONN. DIAGRAM: A-EE7300 ASSEMBLY: F1 ONLY  
 OUTLINE: A-100130-906

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	.75	1800	1760	143JMV	DP	N	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	200	3.45	LINE OR INVERTER	CONTINUOUS	F3	1.15	40	3300

FULL LOAD EFF: 85.5	3/4 LOAD EFF: 84.6	1/2 LOAD EFF: 81.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 71	3/4 LOAD PF: 62.6	1/2 LOAD PF: 49.8	82.5	SQ CAGE INV RATED	2.3

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	33.4	11.2 LB-FT 373	15.4 LB-FT 513	21

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
56 dBA	66 dBA	0.117 LB-FT^2	10 LB-FT^2	20 SEC.	2	0 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL OR SHAFT DOWN	FALSE	NONE	PROVISIONS ONLY	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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DATE: 06/22/2017 07:28:51 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.

Data Sheet

Date: 19-06-2017  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



143TTDR16043

Submittal

Data @ 200 V

Motor Load Data

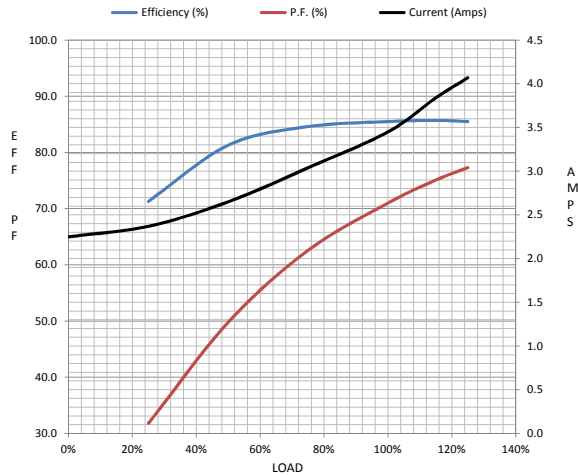
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.25	2.37	2.65	3.0	3.5	3.8	4.1	33.4
Torque (ft-lb)	0.00	0.73	1.47	2.22	3.0	3.4	3.7	11.2
RPM	1800	1790	1781	1772	1760	1,755	1751	0
Efficiency (%)		71.3	81.3	84.6	85.5	85.7	85.5	
P.F. (%)	11.1	31.8	49.8	62.6	71.0	75.1	77.3	73.4

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	120	1285	1760	1800
Current (Amps)	33.4	29.9	22.5	3.5	2.25
Torque (ft-lb)	11.2	10.0	15.4	3.0	0.00

Information Block

HP	1.0			
Sync. RPM	1800			
Frame	143			
Enclosure	DP			
Construction	TDR			
Voltage	200 V			
Frequency	60 Hz			
Design	A			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	21 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.12 Lb-Ft <sup>2</sup>			
Ref Wdg	ZT4259 NONE			
Sound Pressure @ 1M	56 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	A-100130-906			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

