

# PRODUCT INFORMATION PACKET

Model No: 145TTFR16010  
Catalog No: GT3006  
2,3600,TEFC,145JMV,3/60/200  
JM



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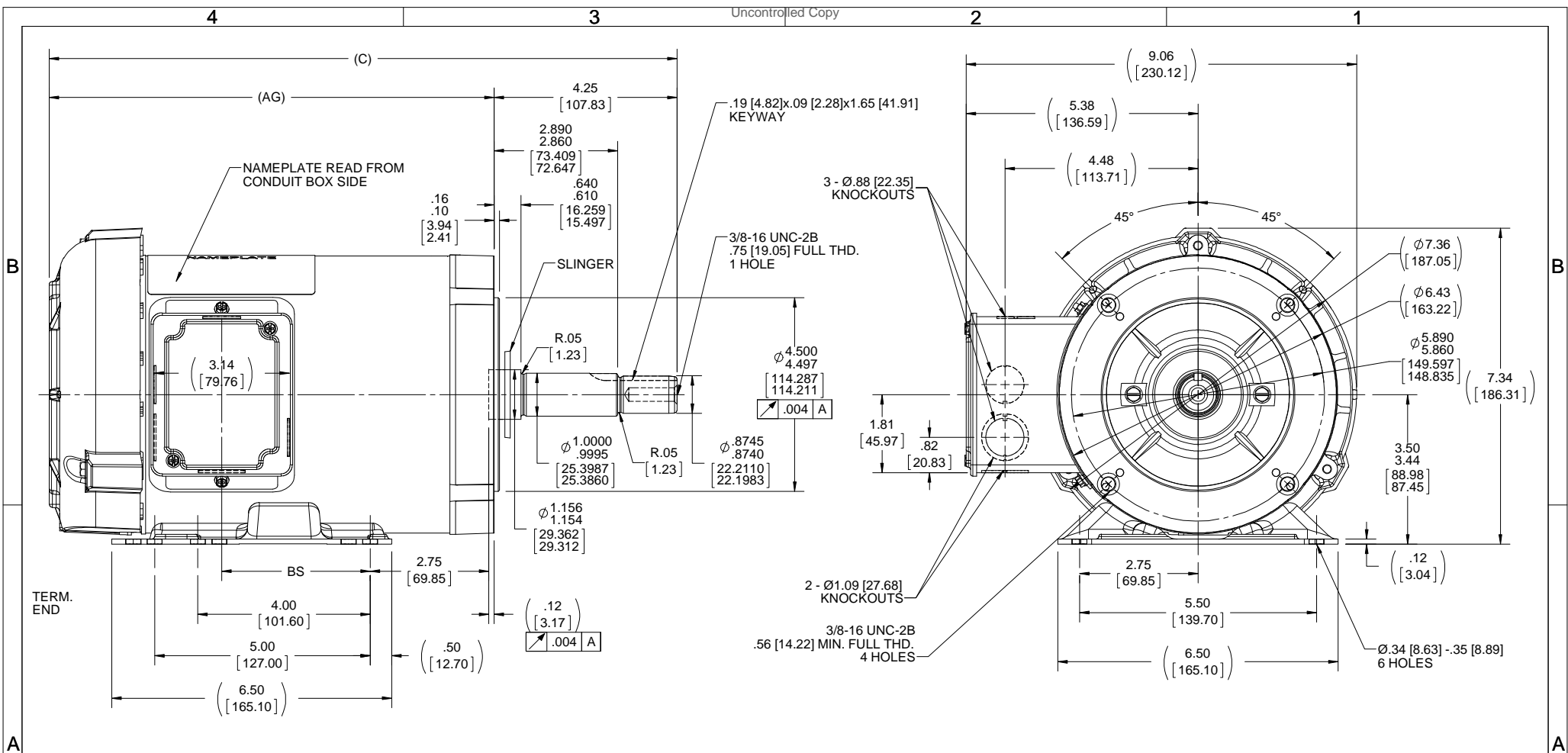
### Nameplate Specifications

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>200 V</b>
Current	<b>5.8 A</b>	Speed	<b>3500 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>K</b>	Frame	<b>145JMV</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</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>43</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</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>16.5 in</b>	Frame Length	<b>9.06 in</b>
Shaft Diameter	<b>0.875 in</b>	Shaft Extension	<b>4.25 in</b>
Assembly/Box Mounting	<b>F1 Only</b>		
Outline Drawing	<b>A-100133-906</b>	Connection Diagram	<b>A-EE7300</b>

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NOTE:  
1.CONDUIT BOX CAN BE ROTATED IN 180° STEPS.

DASH	C	AG	BS
706	14.57 [370.07]	10.33 [262.38]	3.45 [87.63]
756	15.07 [382.77]	10.83 [275.08]	3.95 [100.33]
806	15.57 [395.47]	11.33 [287.78]	4.45 [113.03]
856	16.07 [408.17]	11.83 [300.48]	4.95 [125.73]
906	16.57 [420.87]	12.33 [313.18]	5.45 [138.43]

DRAWING REVISION	REVISION BY	DATE
L	H. ADIKE	1-29-2018
ECO	PST	2-5-2018

ECO-0143026

ECO DESCRIPTION: **OUTLINE CONVERSION PROJECT**

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	+0.1	[+2.5]	±7°-30°
.XX	+0.03	[+0.76]	
.XXX	+0.005	[+0.127]	
.XXXX	+0.0005	[+0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [51]

MACHINED SURFACES: 200  $\sqrt{\text{mm}}$  5.1  $\sqrt{\text{INCH}}$

mm SHOWN IN [BRACKETS]

DRAWN BY	DATE
MRB	12-20-1994
APPROVED BY	DATE
GK	12-21-1994
REFERENCE	100133
THIRD ANGLE PROJECTION	

REGAL™ Regal Beloit America, Inc.	
DESCRIPTION	PROCESS/FINISH
<b>OUTLINE</b> 140 FR. - TEFC - 'C' FACE	
MATERIAL	DRAWING NUMBER
	100133
SIZE	SHEET
B	1 OF 1

**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>	 <b>Regal Beloit America, Inc.</b>		
DATE <b>03-26-1993</b>			
APPROVED BY <b>TB</b>	DESCRIPTION <b>CONNECTION DIAGRAM</b>		
DATE <b>03-26-1993</b>	<b>EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR</b>		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION 	SIZE <b>A</b>	DRAWING NUMBER <b>EE7300</b>	SHEET <b>1 OF 1</b>



Data Sheet

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



145TFR16010

Submittal

Data @ 200 V

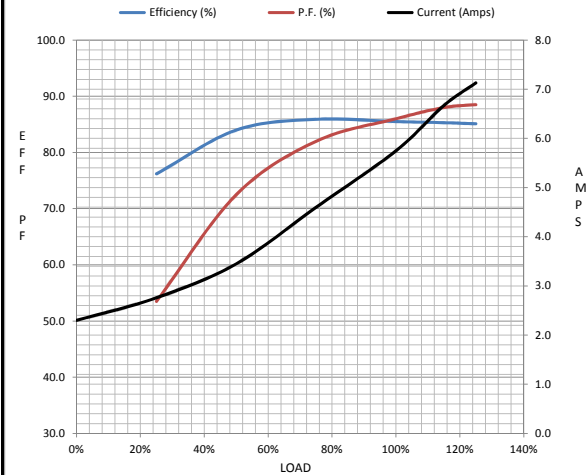
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.30	2.76	3.5	4.6	5.8	6.7	7.1	49.9
Torque (ft-lb)	0.00	0.74	1.48	2.23	3.0	3.5	3.8	9.5
RPM	3600	3575	3550	3525	3500	3,485	3470	0
Efficiency (%)		76.2	84.0	85.9	85.5	85.3	85.1	
P.F. (%)	20.0	53.5	72.5	82.0	86.0	88.0	88.5	42.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1500	2615	3500	3600
Current (Amps)	49.9	47.2	33.4	5.8	2.30
Torque (ft-lb)	9.5	9.4	12.2	3.0	0.00

Information Block				
HP	2.0			
Sync. RPM	3600			
Frame	145			
Enclosure	TEFC			
Construction	TFR			
Voltage	200 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	36 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.07 Lb-Ft <sup>2</sup>			
Ref Wdg	ZT2142 FR			
Sound Pressure @ 1M	69 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	A-100133-906			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.8320	0.5910	1.2350	1.0470	39.4590



Speed -Torque Curve

