

# PRODUCT INFORMATION PACKET

Model No: 145TTFR16056

Catalog No: GT3407

2 HP Close-Coupled Pump Motor, 3 phase, 1800 RPM, 230/460 V, 145JPV Frame, TEFC  
JP Motors



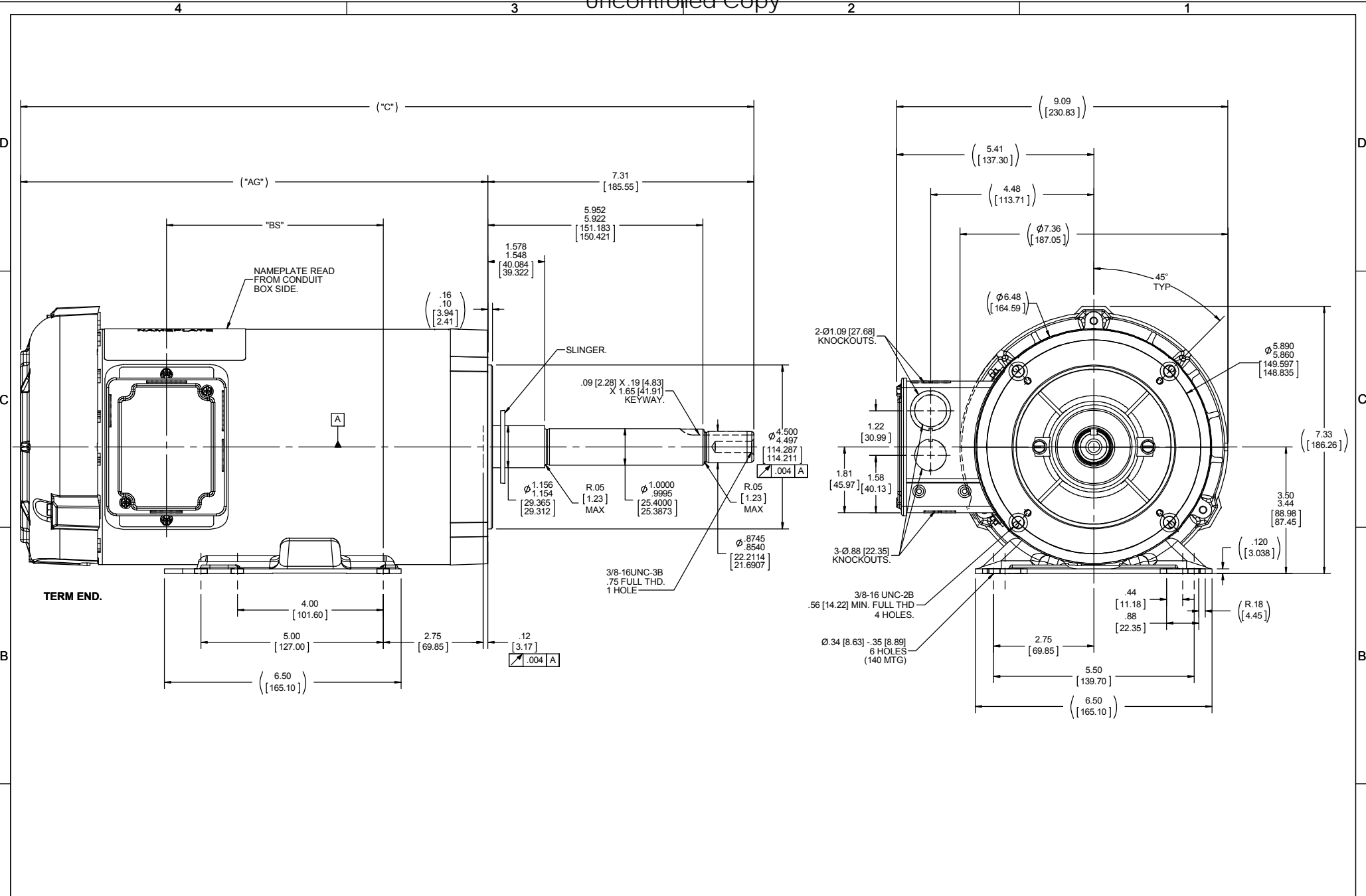
### Nameplate Specifications

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Frequency	<b>60/50 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>6.0/3.0 A</b>	Speed	<b>1760 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>86.5 %</b>	Power Factor	<b>71</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>A</b>	KVA Code	<b>N</b>
Frame	<b>145JPV</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<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>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>6.58 Ohms</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>JP</b>	Overall Length	<b>20.13 in</b>
Frame Length	<b>9.56 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>7.31 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Connection Drawing	<b>A-EE7308</b>	Outline Drawing	<b>A-108618-956</b>

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

DASH NO.	"C"	"AG"	"BS"
956	20.13 [511.30]	12.83 [325.88]	5.95 [151.13]

DRAWING REVISION B	REVISION BY S. MUDDA	DATE 6/11/2019	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [2.5] ±7° 30' .XX ±0.02 [0.51] .XXX ±0.005 [0.127] .XXXX ±0.0005 [±0.0127]	DRAWN BY A SUPPANNAVAR	Regal Beloit America, Inc.	
ECO ECO-0168624	APPROVED BY PVR	DATE 6/11/2019	REMOVE BURRS & BREAK SHARP EDGES: .0031 [0.076] X 45° CORNER FILLETS: R.02 [51] MACHINED SURFACES: 200/5.1 INCH/mil/mm SHOWN IN (BRACKETS)	DATE 02/05/2018		
ECO DESCRIPTION ADDED THREADING NOTE AND 3.14 DIM.			PROPRIETARY AND CONFIDENTIAL INFORMATION. THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. OWNERS AND CONTAINS OWNERS PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.	APPROVED BY PST		DESCRIPTION <b>OUTLINE</b> TEFC 140 FR-38-BB-C" FACE-JP EXT.
				DATE 05/18/2018		MATERIAL
				REFERENCE 100134	PROCESS/FINISH	
				THIRD ANGLE PROJECTION	SIZE C	
				DRAWING NUMBER 108618	SHEET 1 OF 1	

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	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					



Regal Beloit America, Inc.





Data Sheet

Date: 29-06-2017  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



145TFR16056

Submittal

Data @ 460 V

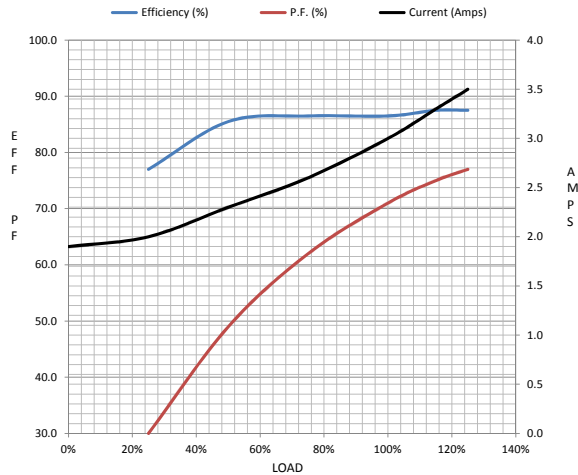
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.90	2.00	2.30	2.60	3.0	3.3	3.5	30.5
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.9	7.5	24.5
RPM	1800	1790	1780	1770	1760	1,755	1750	0
Efficiency (%)		77.0	85.5	86.5	86.5	87.5	87.5	
P.F. (%)	7.0	30.0	49.0	62.0	71.0	75.0	77.0	71.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	115	1200	1760	1800
Current (Amps)	30.5	29.5	19.5	3.0	1.90
Torque (ft-lb)	24.5	23.7	33.2	6.0	0.00

Information Block				
HP	2.0			
Sync. RPM	1800			
Frame	145			
Enclosure	TEFC			
Construction	TFR			
Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	A			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	45 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.14 Lb-Ft <sup>2</sup>			
Ref Wdg	ZT4255 FR			
Sound Pressure @ 1M	62 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	A-100134-956			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
3.9620	3.0100	5.7510	5.9360	160.3460



Speed -Torque Curve

