

# PRODUCT INFORMATION PACKET

Model No: 145THTR15540  
Catalog No: Y284  
1 1/2, 1800, TENV, 145TC, 3/60/230/460  
1000:1 with Encoder



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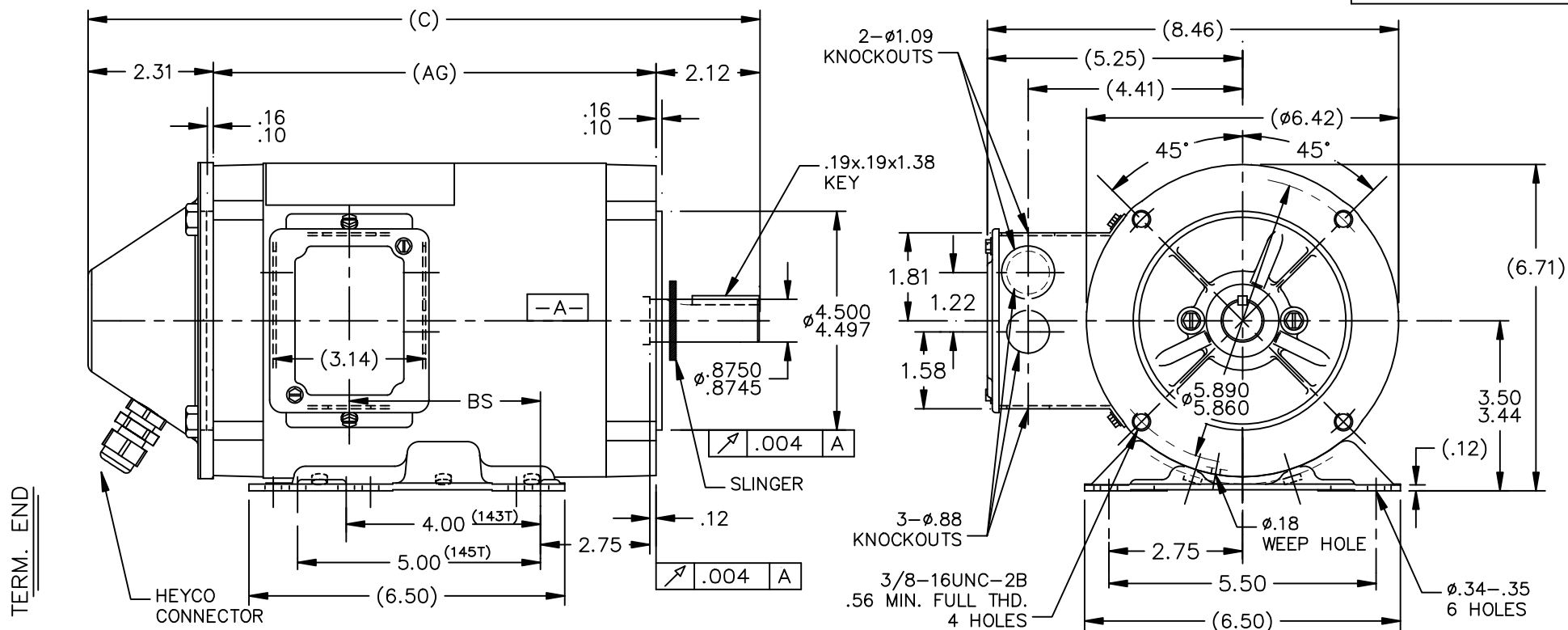


### Nameplate Specifications

Output HP	<b>1.5 Hp</b>	Output KW	<b>1.12 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>4.8/2.4 A</b>	Speed	<b>1755 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>85.5 %</b>	Duty	<b>CONTINUOUS</b>
Insulation Class	<b>H</b>	Design Code	<b>INV</b>
KVA Code	<b>R</b>	Frame	<b>145TC</b>
Enclosure	<b>TENV</b>	Overload Protector	<b>NOT</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</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>SQ CAGE INV DUTY</b>	Starting Method	<b>INVERTER ONLY</b>
Poles	<b>4</b>	Rotation	<b>REV</b>
Mounting	<b>BOLT-ON</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>ROLLED STEEL</b>	Shaft Type	<b>T</b>
Overall Length	<b>16.04 in</b>	Frame Length	<b>9.56 in</b>
Shaft Diameter	<b>0.88 in</b>	Shaft Extension	<b>2.12 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>A-107391-956</b>	Connection Diagram	<b>A-EE7308</b>



- NOTE:
1. CONDUIT BOX CAN BE ROTATED 180°.
  2. REMOVABLE BASE.
  3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.
  4. C-FACE MOUNTING PATTERN TYPICALLY BOTH ENDS

DASH	FR.	C	AG	BS	DASH	FR.	C	AG	BS
706	140	13.54	9.11	3.43	856	140	15.04	10.61	4.93
756	140	14.04	9.61	3.93	906	140	15.54	11.11	5.43
806	140	14.54	10.11	4.43	956	140	16.04	11.61	5.93

				TOLERANCES UNLESS SPECIFIED			DRAWN RAD 06-23-2008					
				DEC.	INCHES		CHK VL 06-23-2008					
				.X	±.1		APPD RAD 06-23-2008					
				.XX	±.03		SCALE 5=16					
				.XXX	±.005	TITLE OUTLINE						
				.XXXX	±.0005	140T FR. - BB - TENV - DBL C'FACE - 3Ø						
1	DIM. "C" CHANGED FOR ALL DASHES PER IS10-1948			AD	5/6/2010	REF 104059,107388						
NO.	REVISION			BY & DATE	CHK	ANG	FMF MU86309					
				RFP	06-23-2008	PREV						
				DIST	WP	CAD FILE 107391		SIZE	DRAWING NO.	PAGE	OF	REV.
						A	107391					1

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EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

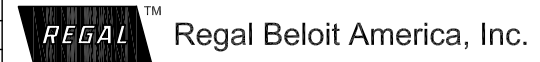
REF.  
WINDING DIAGRAM

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	PREV
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		
					±7'30"		
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						DIST WP	
						CAD FILE ee7308	
						SIZE A	
						DRAWING NO. EE7308	
						PAGE OF 5	
						REV. 5	



TITLE CONNECTION DIAGRAM  
3Ø - DUAL VOLTAGE MOTOR

DRAWN RM 11/20/1990  
CHK ML 11/21/1990  
APPD SAS 04/24/2003  
SCALE 1=1  
REF  
FMF  
PREV



NONE	P/N	NONE	
NONE	NONE		
NONE FT-LB	NONE V	NONE Hz	

DATE: 06/23/2017 02:01:57 AM  
FORM 3531 REV.3 02/07/99  
\*\* Subject to change without notice.

Data Sheet

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



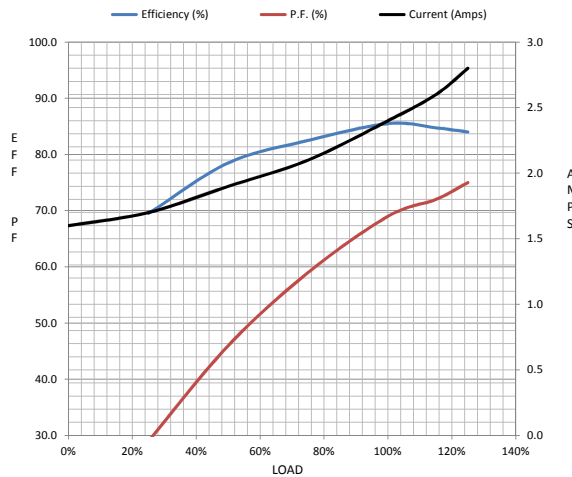
145THTR15540

Submittal

Data @ 460 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.60	1.70	1.90	2.10	2.40	2.60	2.80	28.0	
Torque (ft-lb)	0.00	1.10	2.20	3.4	4.5	5.1	5.6	23.0	
RPM	1800	1788	1778	1768	1755	1,751	1745	0	
Efficiency (%)		69.5	78.5	82.5	85.5	84.8	84.0		
P.F. (%)	9.0	29.0	46.0	59.0	69.0	72.0	75.0	68.0	

Motor Speed Data						Information Block	
	LR	Pull-Up	BD	Rated	Idle		
Speed (RPM)	0	500	1180	1755	1800	HP	1.5
Current (Amps)	28.0	24.0	17.0	2.40	1.60	Sync. RPM	1800
Torque (ft-lb)	23.0	19.0	29.0	4.5	0.00	Frame	145



Enclosure	TENV			
Construction	TTR			
Voltage	230/460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	R			
Service Factor	1.15			
Temp Rise @ FL	80 ° 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	ZT4118 NONE			
Sound Pressure @ 1M	62 dBA			
VFD Rating	CONSTANT 1000:1			
Outline Dwg	A-107391-956			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
4.2570	3.5380	5.9980	5.8840	161.0090

