

PRODUCT INFORMATION PACKET



Model No: 056T17E5308

Catalog No: G646

Explosion Proof Motor, 0.25 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 56 Frame, EPNV

Operational at 208-230/460 V @60HZ



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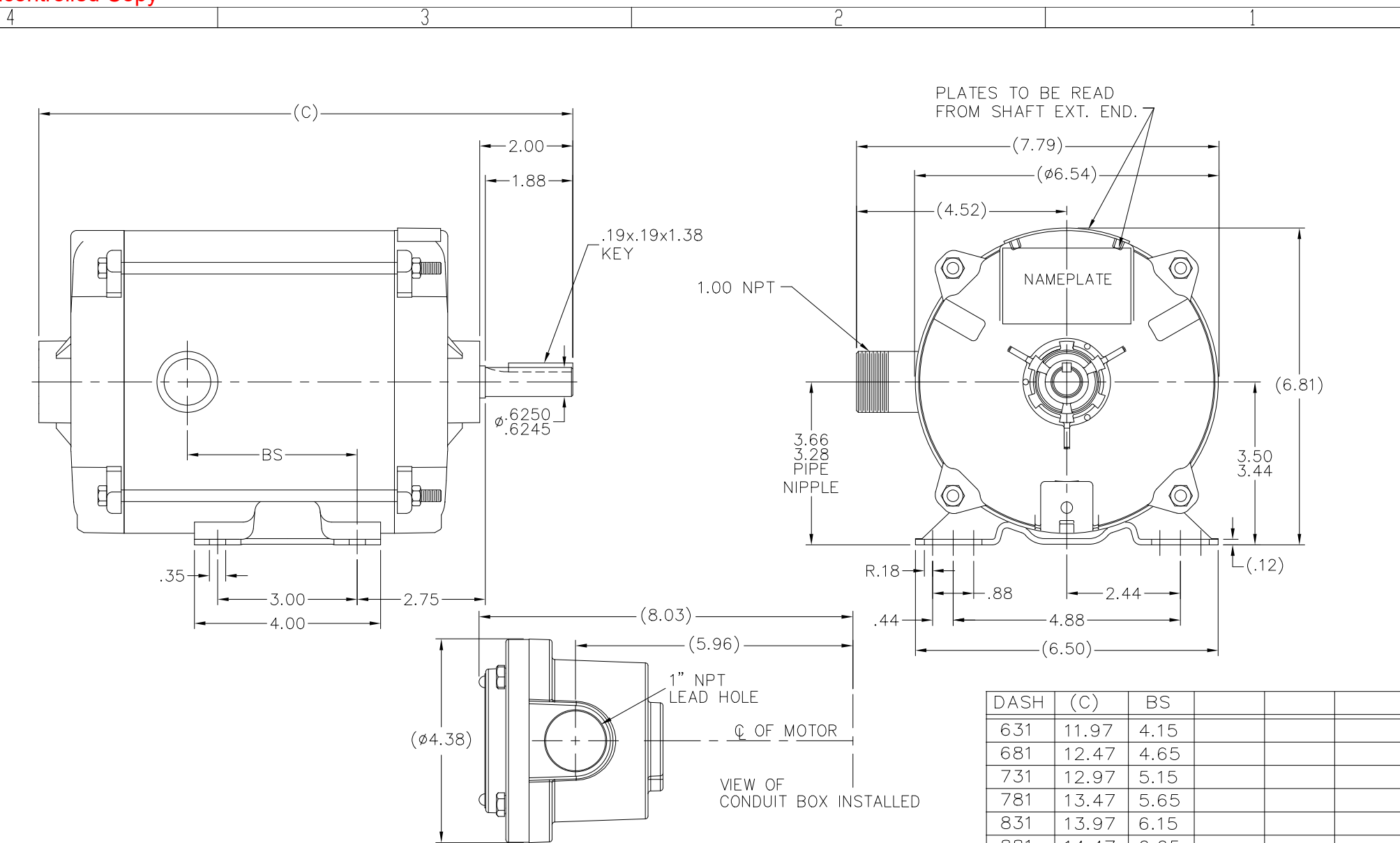


Nameplate Specifications

Phase	3	Output HP	0.25 Hp
Output KW	0.19 kW	Voltage	230/460 V
Speed	1725 rpm	Service Factor	1.00
Frame	56	Enclosure	Explosion Proof Non Ventilated
Thermal Protection	Automatic	Efficiency	75 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	1.1/0.55 A	Power Factor	75
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	N
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3B

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	58.8 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.97 in
Frame Length	6.31 in	Shaft Diameter	0.625 in
Shaft Extension	2 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7335	Outline Drawing	B-104196-631

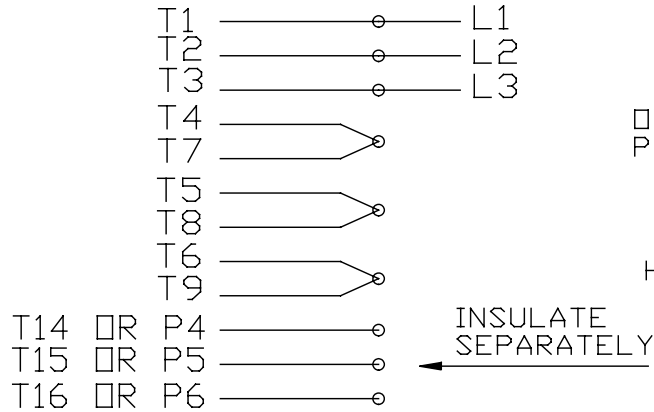


DASH	(C)	BS		
631	11.97	4.15		
681	12.47	4.65		
731	12.97	5.15		
781	13.47	5.65		
831	13.97	6.15		
881	14.47	6.65		
931	14.97	7.15		
981	15.47	7.65		

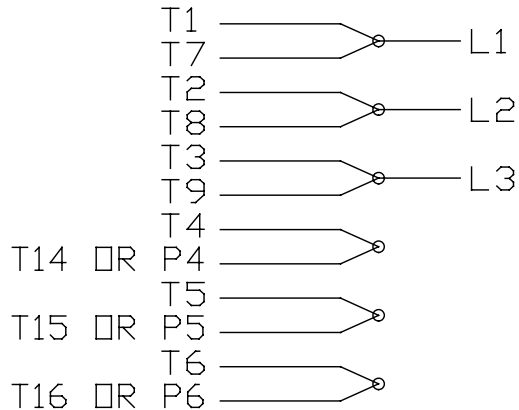
DRAWING REVISION 7	REVISION BY GKB	REV DATE / DATE 04/14/2025	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.01 [±0.3] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]		DRAWN BY MH	Regal Rexnord Regal Beloit America, Inc.
REQUEST NUMBER ECR-0242041	APPROVED BY RK	DATE 04/14/2025	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125/ 3.2 INCH mm		DATE 12/10/1996	
REQUEST NUMBER DESCRIPTION CHANGED FROM MARATHON TO RRX TEMPLATE			mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY		APPROVED BY GK	MAT'L
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					REFERENCE	SIZE DRAWING NUMBER D 104196
					THIRD ANGLE PROJECTION	SHEET 1 OF 1

EE7335

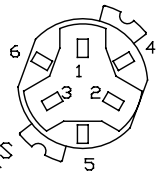
HIGH VOLTAGE CONNECTIONS



LOW VOLTAGE CONNECTIONS



THREE PHASE - DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR

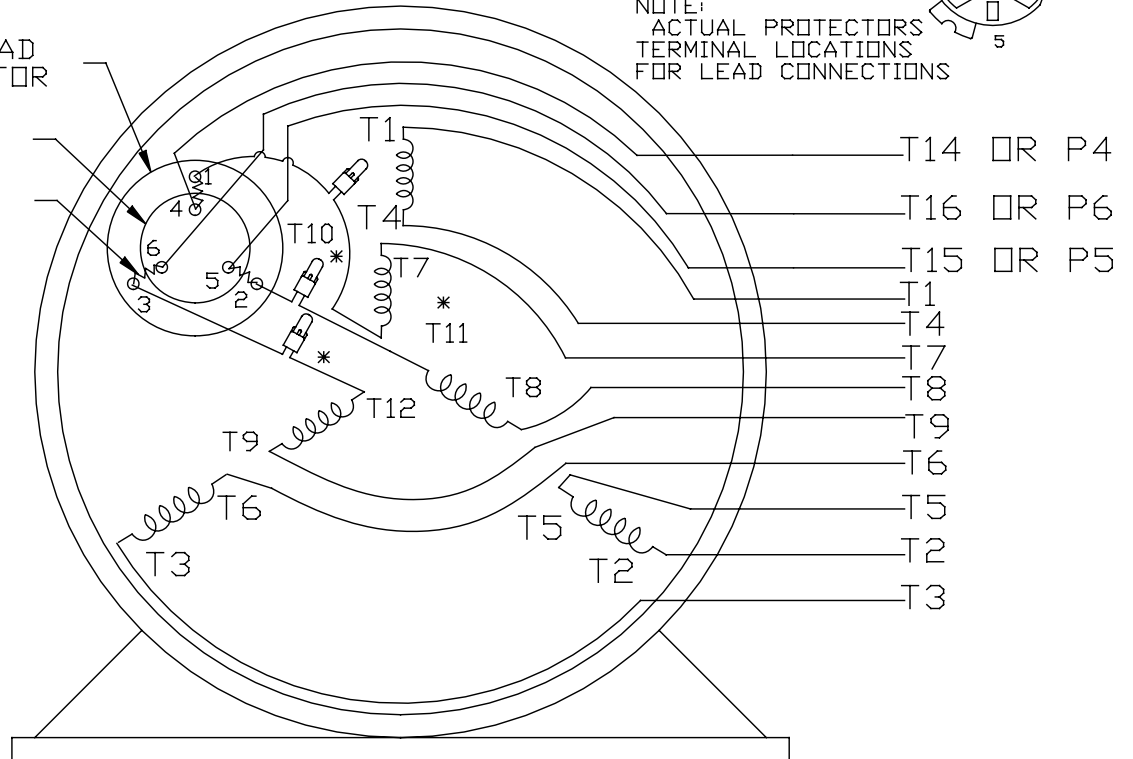


NOTE:
ACTUAL PROTECTORS
TERMINAL LOCATIONS
FOR LEAD CONNECTIONS

OVERLOAD
PROTECTOR

DISC

HEATER



VIEW OF TERMINAL END

* USE PRESSURE CONNECTORS FOR MT2 PLANT ONLY

T2K
T4D
T6AN

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN	SCALE	REV.
				DEC.	INCHES				
17	CHANGED LOGO FROM MARATHON TO REGAL	KIR 02/16/16	AB	DEC.	INCHES	Regal Beloit America, Inc.	KL	08-09-1993	17
16	PRESSURE CONNECTORS QUANTITY WAS 6	PVR 10/29/13	GR	.X	±.1		CHK	ML	08/10/1993
15	PRESSURE CONNECTORS ADDED	GR 03/04/13	SR	.XX	±.01	TITLE 3Ø-DUAL VOLT WITH OVERLOAD PROTECTOR	APPD	GK	08/10/1993
14	ADDED ACTUAL PROECTOR VIEW CN 17481	KL 05/18/94		.XXX	±.005		SCALE	1=1	
13	REDRAWN IN AUTO CAD	KL 08/11/93		.XXXX	±.0005	MAT'L.	REF		
					±1/2*		FMF		
							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	EE7335	SIZE	DRAWING NO.	REV.
				DIST			A	EE7335	17



REGAL REXNORD CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460

Volts

HP 0.25

PHASE 3

Model No 56T17E5308

60

HZ

VOLTS 208-230/460

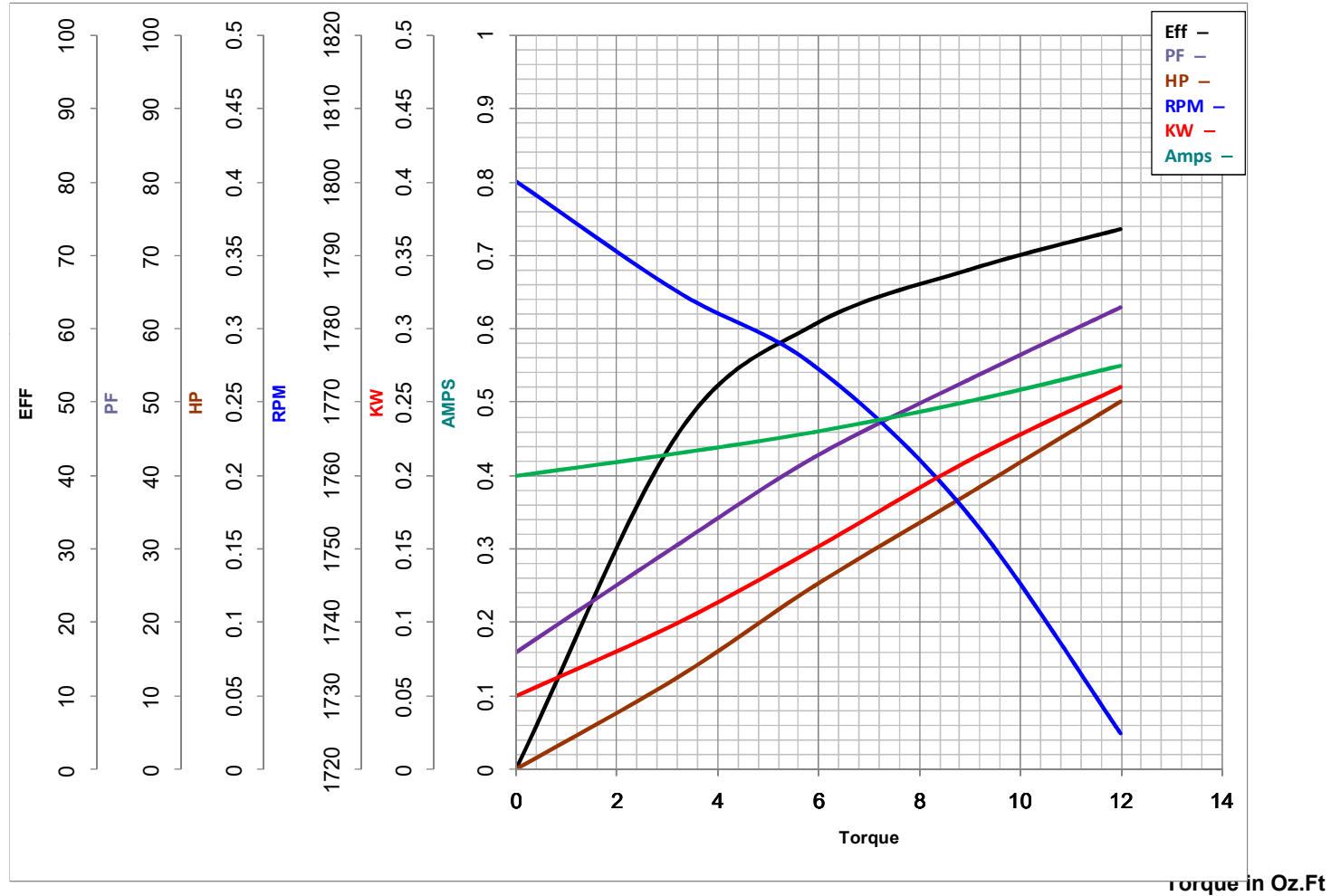
0.25

HP

Catalog No G646

HZ 60

RPM 1725



FL TORQUE	<u>12</u>	Oz.Ft	FL AMPS	<u>1.1-1.1/55</u>
BD TORQUE	<u>59.2</u>	Oz.Ft	PU TORQUE	<u>44.8</u> Oz.Ft
LR TORQUE	<u>49.6</u>	Oz.Ft	LR AMPS	<u>3.6</u>
WINDING	ZT493-3		Date	1/24/2019