

# PRODUCT INFORMATION PACKET

marathon®  
Motors

Model No: 449TSHDN17037  
Catalog No: 449TSHDN17037  
400,1800,DPFV,449TS,3/60/460

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RegalRexnord

### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>400 Hp</b>
Output KW	<b>300.0 kW</b>	Voltage	<b>460 V</b>
Speed	<b>1785 rpm</b>	Service Factor	<b>1</b>
Frame	<b>449TS</b>	Enclosure	<b>DPFV</b>
Thermal Protection	<b>Thermostat</b>	Efficiency	<b>95.4 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>460.0 A</b>	Power Factor	<b>85</b>
Duty	<b>Continuous</b>	Insulation Class	<b>H</b>
Design Code	<b>INV</b>	KVA Code	<b>G</b>
Drive End Bearing Size	<b>6314</b>	Opp Drive End Bearing Size	<b>6314</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>12</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Duty</b>	Starting Method	<b>Inverter Only</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.0095 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Cast Iron</b>
Shaft Type	<b>TS</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Outline Drawing	<b>B-SS553638-2938</b>	Connection Drawing	<b>EE7300S</b>

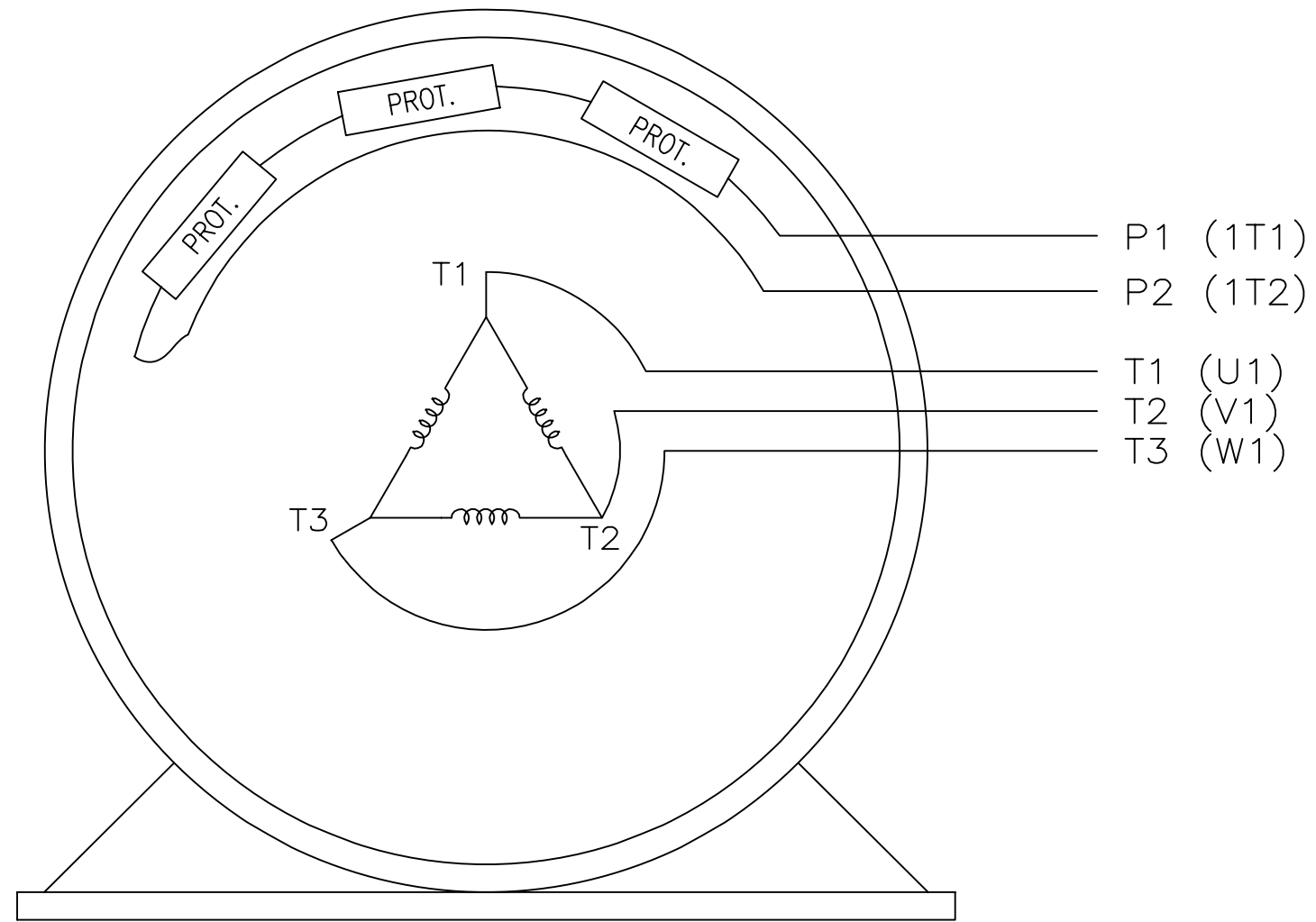
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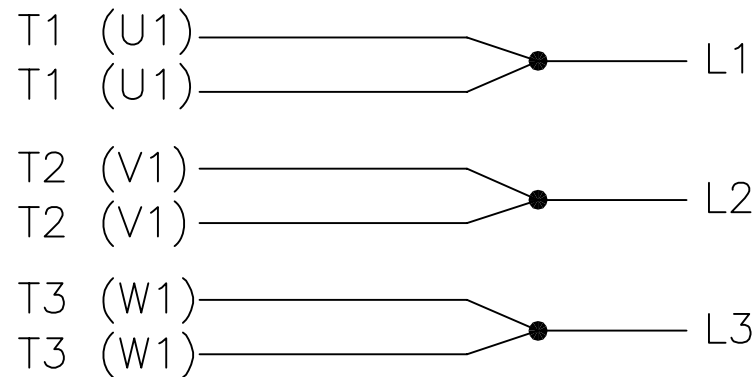
EE7300S

THREE PHASE – SINGLE VOLTAGE MOTOR

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO LINE  
LEAD CONNECTIONS



IF MOTOR HAS MULTIPLE  
T'S PER LEAD CONNECT  
TOGETHER LIKE T'S



A-9806 DECAL

VIEW OF TERMINAL END

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED			REGAL-BELOIT CORPORATION	DRAWN KL 12-15-1999			
				DEC.	INCHES						
F	UPDATED TITLE BLOCK	HV 02-27-2014	EWB	.X	±	-	REGAL-BELOIT CORPORATION	CHK DJK 12-15-1999			
3	REMOVED "N.C." FROM PROT.'S MU61770	JJB 08-02-2010		.XX	±	-	TITLE CONNECTION DIAGRAM – EXTERNAL SINGLE VOLTAGE 3Ø MOTOR	APPD DJK 12-15-1999			
2	ADDED IEC MARKINGS MU61770	KL 09-16-2004	EAB	.XXX	±	-		SCALE 1=1			
1	NEW DRAWING	KL 12-16-1999		.XXXX	±	-		REF			
							MAT'L.	FMF			
							FINISH	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 ee7300s			SIZE A	DRAWING NO. EE7300S	PAGE OF	REV. F
				DIST	WA-LB-SB						

Date: 3/28/2024 REF: 449TSHDN17037  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: RAMYA



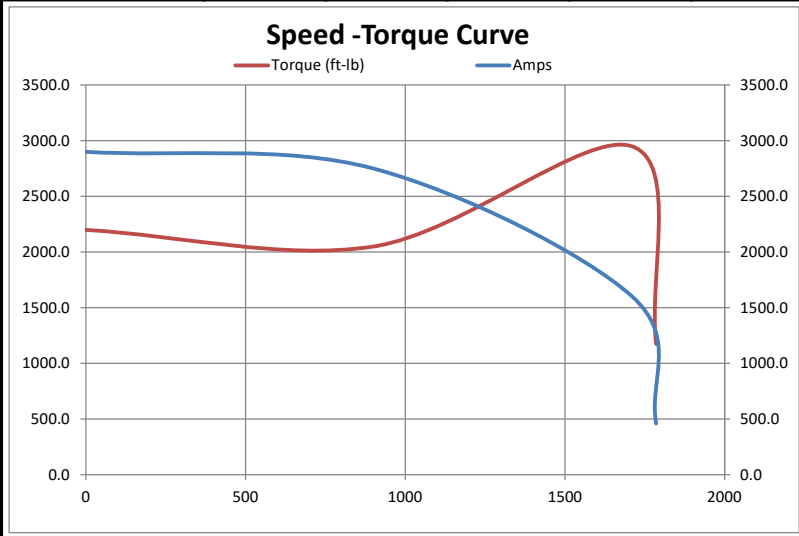
**Torque Capability Curve**

Data @ 460 Volts

	Min CT RPM	Base RPM	CHP RPM	Max CHP RPM	Max RPM	Peak
HP	0.00	0.00	400	400	400	400
Voltage (volts)	-	5	460	460	460	460
Frequency (HZ)	0	1	60	90	90	89
RPM	0	0	1,785	2,680	2,680	2,680
Current (Amps)	460	455	460	460	460	1,440
Rated Tq (ft-lb)	1,177	1,177	1,177	784	784	784
Peak Tq (ft-lb)	2,714	2,714	2,714	1,156	1,156	1,156

**Motor Speed Data**

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Information Block	
Speed (RPM)	0	900	1710	1785	1800	HP	400.0
Current (Amps)	2900	2750	1600	460	152	Sync. RPM	1800.0
Torque (ft-lbs)	2200	2050	2950	1177	0	Frame	449



Enclosure	DPFV
Construction	TDV
Voltage	460
Frequency	60 Hz
Duty	CONT
Design	INV
LR Code letter	G
Poles	4
Temp Rise @ FL	70 °C
Ambient	40 °C
Elevation	3,300 feet
Ref Wdg	T447435
R #	R4
dBA @ 1M	80
VFD rating	CONSTANT 1000:1
OUTLINE:	B-SS553638-2938
CONN DIAG:	EE7300S
0	
0	

