

# PRODUCT INFORMATION PACKET

marathon®  
Motors

Model No: 6805LHDS17331  
Catalog No: 6805LHDS17331  
800,1800,DPFV,6805L,3/60/480YD

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RegalRexnord

## Nameplate Specifications

## Technical Specifications

Connection Drawing

EE7300S

Outline Drawing

NONE

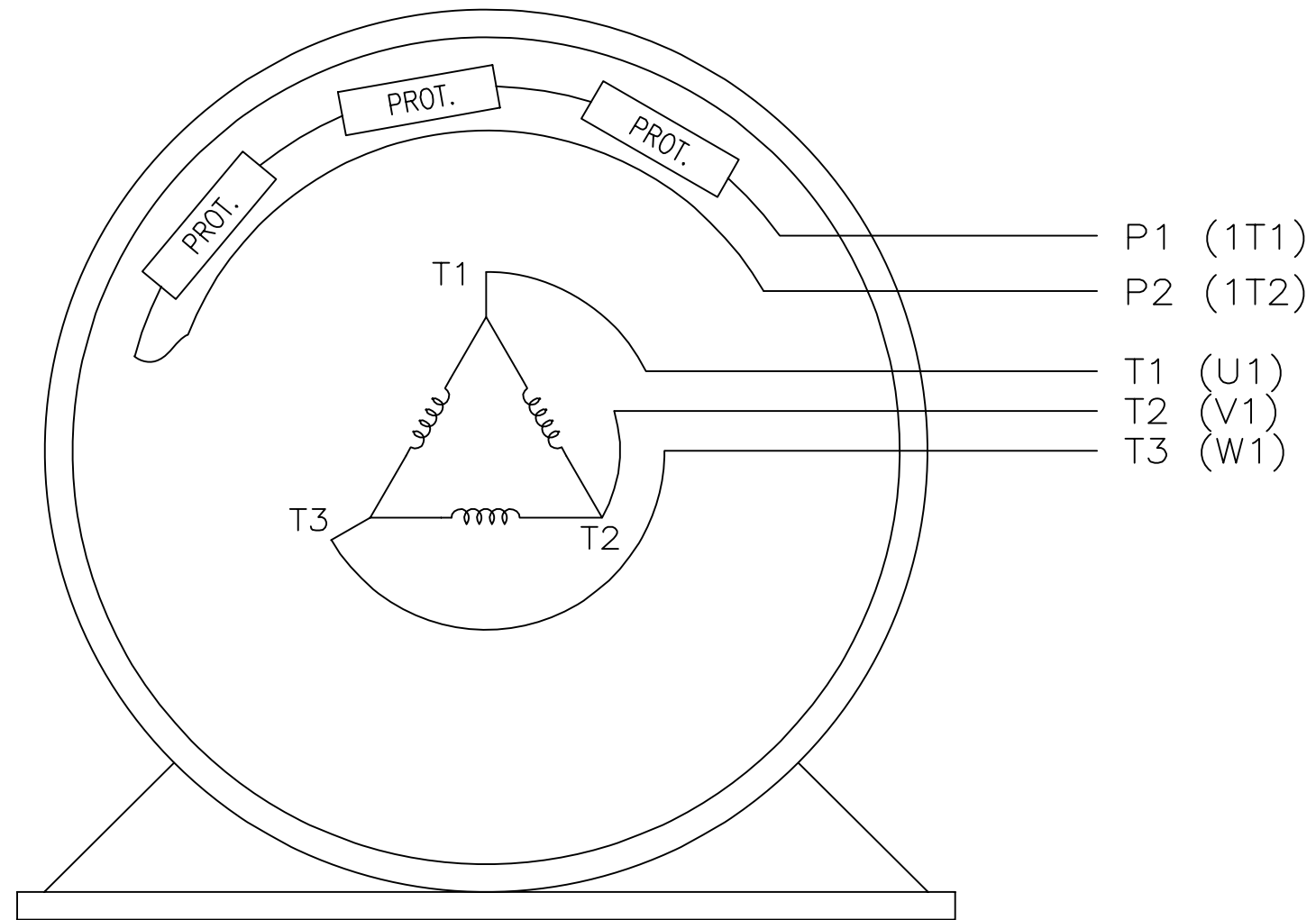
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EE7300S

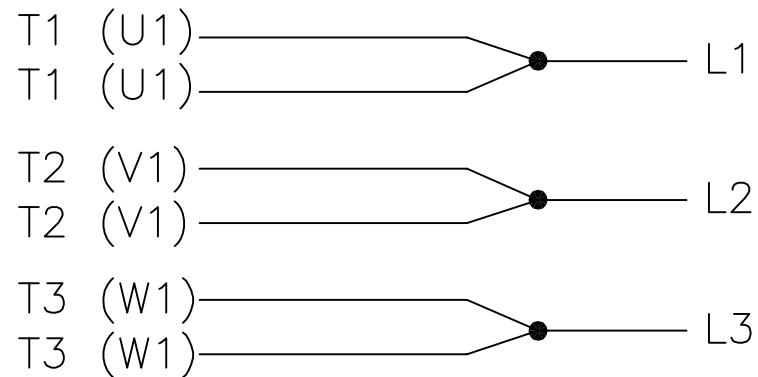
THREE PHASE – SINGLE VOLTAGE MOTOR

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO LINE  
LEAD CONNECTIONS



VIEW OF TERMINAL END

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



A-9806 DECAL

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	±	-	MAT'L.	REF		
				ANG	±	-	FINISH	FMF		
			RFP				CAD FILE ee7300s	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				DIST	WA-LB-SB	SIZE	A	DRAWING NO. EE7300S	PAGE OF	REV. F

Data Sheet

Date: 12/22/2022  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_



6805LHDS17331

Submittal

Data @ 480 V

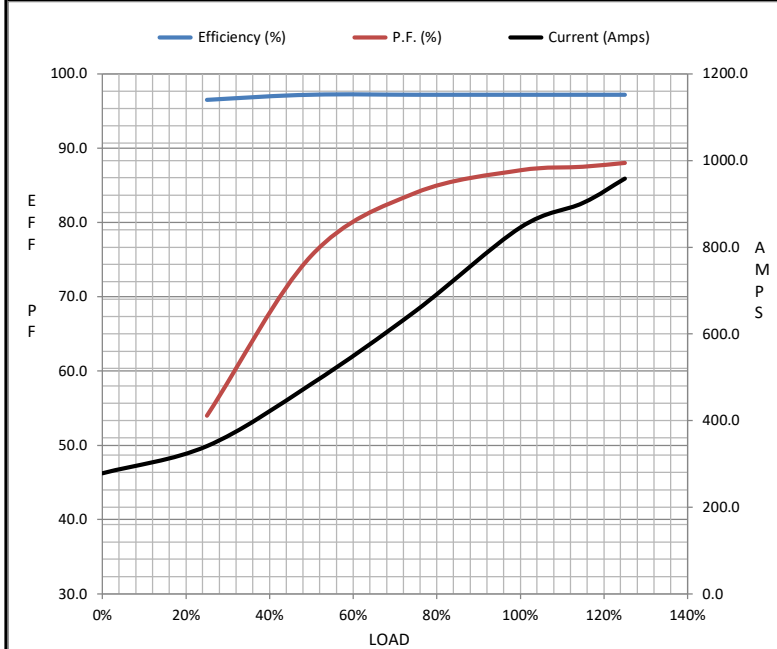
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	278	341	484	654	845	902	958	6,229
Torque (ft-lb)	0.00	584	1,170	1,757	2,347	2,523	2,699	1,775
RPM	1800	1798	1795	1792	1790	1,790	1789	0
Efficiency (%)		96.5	97.2	97.2	97.2	97.2	97.2	
P.F. (%)	1.8	54.0	75.5	84.0	87.0	87.5	88.0	16.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1730	1790	1800
Current (Amps)	6,229	5,750	3,929	845	278
Torque (ft-lb)	1,775	1,500	7,250	2,347	0.00

Information Block				
HP	800.0			
Sync. RPM	1800			
Frame	6805			
Enclosure	DPFV			
Construction	TDV			
Voltage	480 V			
Frequency	60 Hz			
Design	INV			
LR Code letter	H			
Service Factor	1.0			
Temp Rise @ FL	65 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3,300 feet			
Rotor/Shaft wk <sup>2</sup>	445 Lb-Ft <sup>2</sup>			
Ref Wdg	T6854004 NONE			
Sound Pressure @ 1M	80 dBA			
VFD Rating	CONSTANT 2000:1			
Outline Dwg				
Conn. Diag	EE7340D			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0050	0.0020	0.0480	0.0360	1.4690



Speed - Torque Curve

