

PRODUCT INFORMATION PACKET



Model No: 225STFC4526

Catalog No: R349

Cast Iron Motor, 50 & 50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 225S Frame,
TEFC

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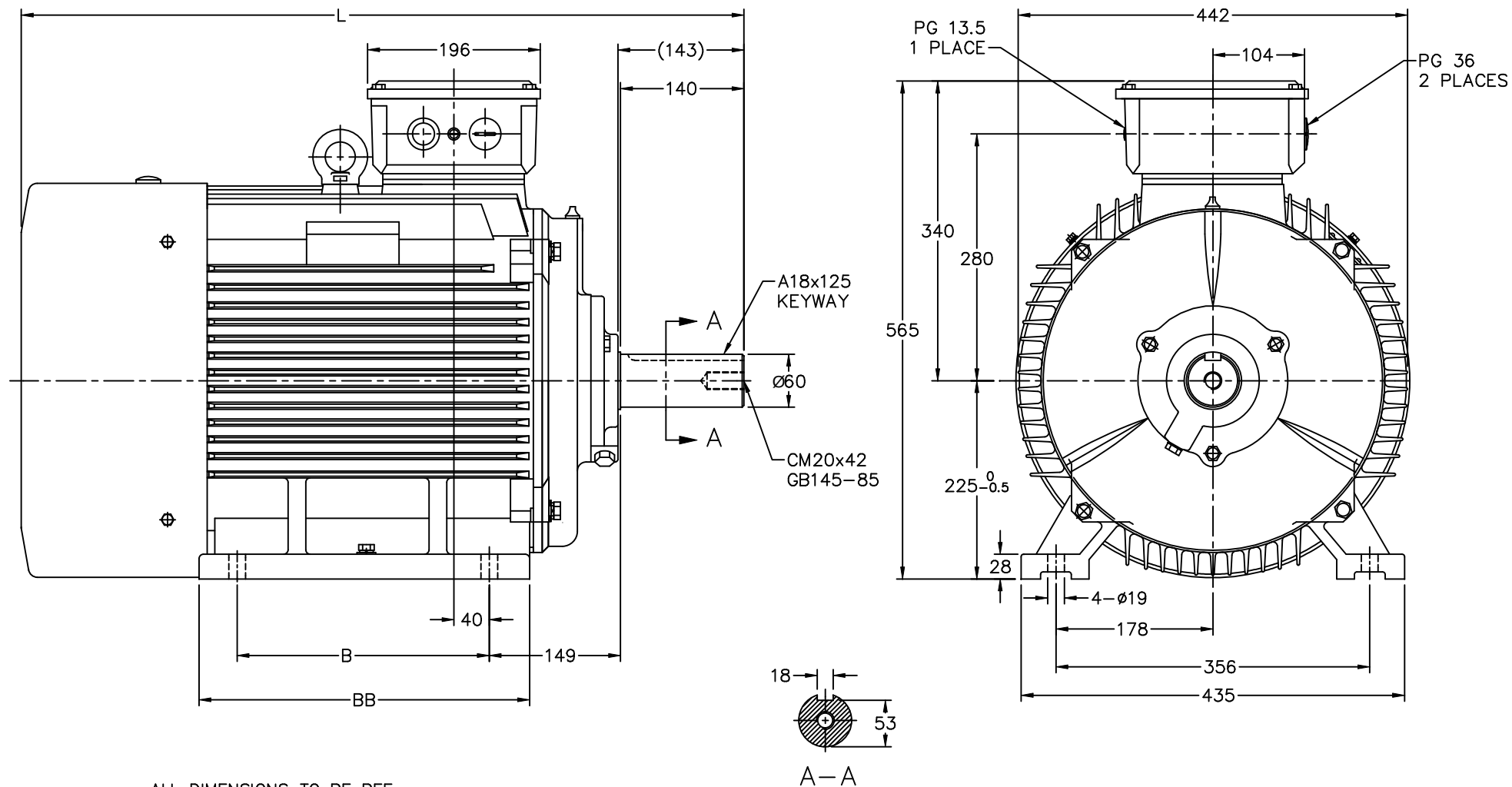
Nameplate Specifications

Phase	3	Output HP	50 & 50 Hp
Output KW	37.0 & 37.0 kW	Voltage	230/460 & 200/400 V
Speed	1785 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	225S	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93.6 & 91.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	115/57.5 & 133/66.5 A	Power Factor	86.7
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	NONE	Opp Drive End Bearing Size	NONE
UL	No	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.11 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	32.28 in
Shaft Diameter	2.166 in	Shaft Extension	4.33 in
Assembly/Box Mounting	F3		
Outline Drawing	SS620009	Connection Drawing	A-EE7308AA

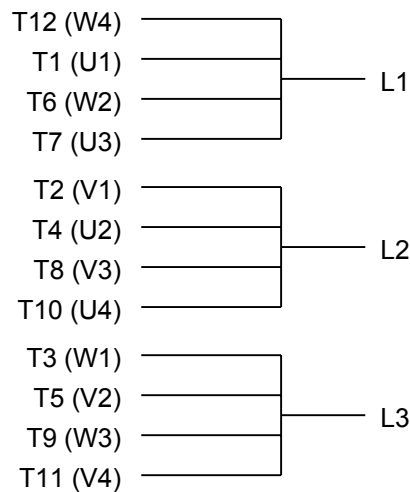
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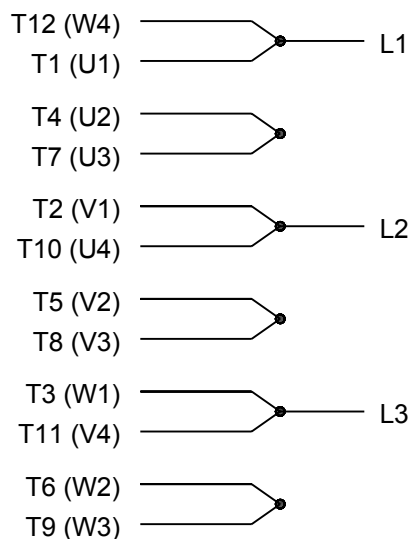
ALL DIMENSIONS TO BE REF.
DIMENSION.

FRAME	L	B	BB
225S	820	286	375
225M	845	311	400

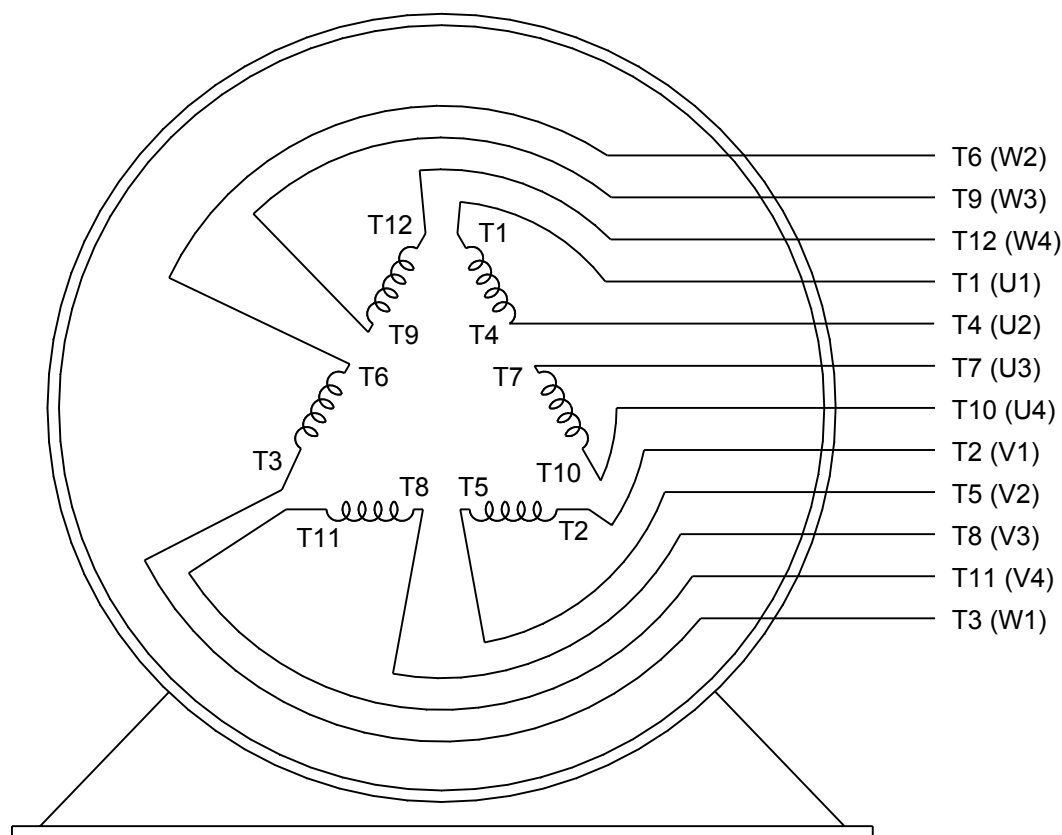
		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN CTO 10-14-2004	
DEC.	METRIC	DEC.	METRIC	CHK	ML	CHK	ML
.X	±2.5	.XX	±.76	APPD	SB	10-21-2004	10-21-2004
.XXX	±.127	.XXX	±.0127	SCALE	1=4.25	REF	
1	SHAFT HOLE WAS CM20X45 NOW CM20X42 CN 38637	DRS	11-22-2004	ML	.XXXX	±.0127	FINISH
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV
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LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ	DATE 01-12-1994
APPROVED BY GK	DATE 01-14-1994
REFERENCE	THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø-2/1 DELTA-12 LEADS

MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7308AA
SHEET 1 OF 1	