

BALDOR® • **RELIANCE**

Product Information Packet

EM4115T

50HP,1775RPM,3PH,60HZ,326T,1272M,TEFC,F1

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1272M	Elec. Spec:	12WGY141	CD Diagram:	CD0180
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	12H13	Layout:	12LYH013
Frame:	326T	Mounting:	F1	Poles:	04	Created Date:	05-17-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-02-2015
Leads:	9#6					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3443LUA							
CAT.NO.	EM4115T	P/N		ENCLOSURE	TEFC		
SPEC.	12H013Y141G1	CC	010A	FRAME	326T	S/N	
HP	50	CLASS	F	HZ	60		
RPM	1775	PH	3	DES	A		
VOLT	230/460	KVA-CODE	H	ODE BRG	6311	DE BRG	6312
AMP	116/58	USABLE AT 208V	128				
RATING	40C AMB-CONT	NEMA-NOM-EFF	94.5	GREASE	POLYREX EM		
PF	85	SER.F.	1.15				
USABLE AT	50Hz 50HP 190/380V 138/69A		SF1.0				
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.			

AC Induction Motor Performance Data

Record # 31496 - Typical performance - not guaranteed values

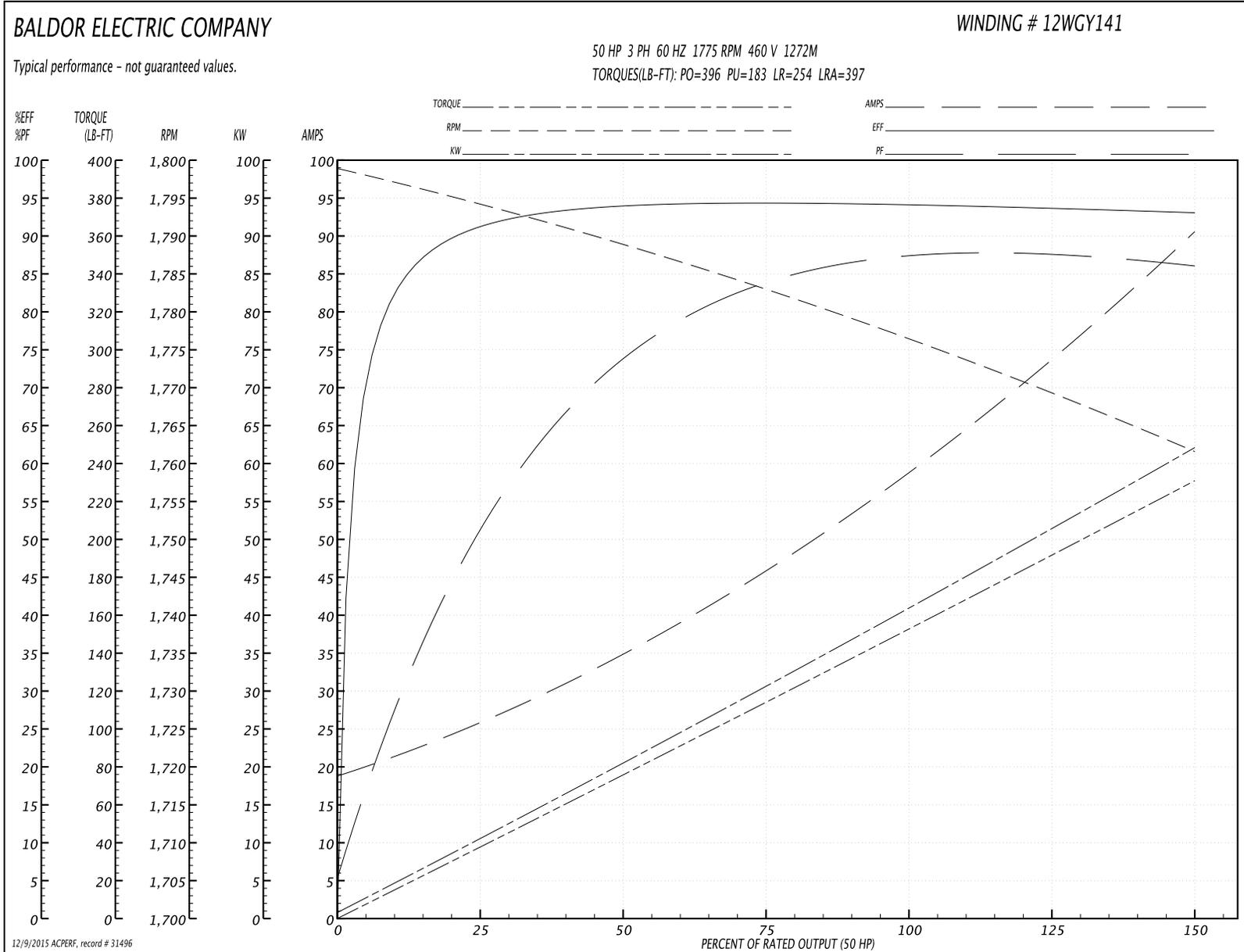
Winding: 12WGY141-R003	Type: 1272M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	50			Full Load Torque	147 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	116/58			Breakdown Torque	396 LB-FT
R.P.M.	1775			Pull-up Torque	183 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	254 LB-FT
NEMA Design Code	A	KVA Code	G	Starting Current	397 A
Service Factor (S.F.)	1.15			No-load Current	19.8 A
NEMA Nom. Eff.	94.5	Power Factor	85	Line-line Res. @ 25°C	0.10889 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	64°C
S.F. Amps				Temp. Rise @ S.F. Load	79°C
				Rotor inertia	9.59 LB-FT ²

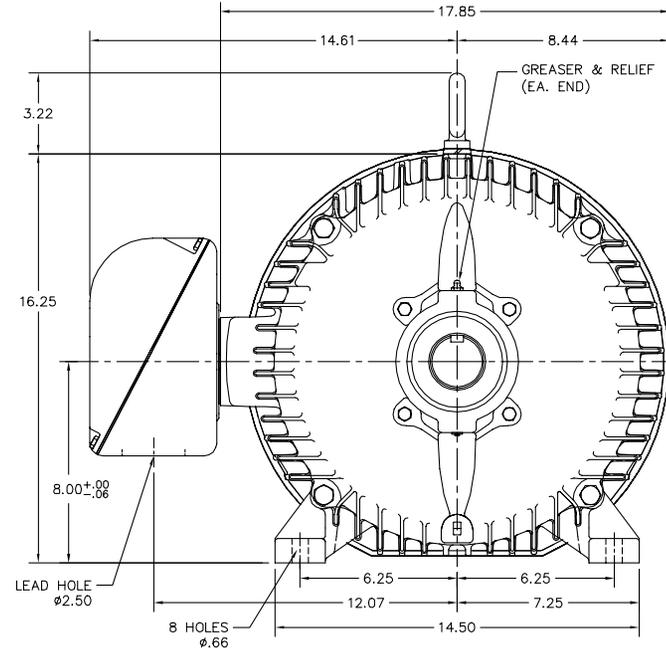
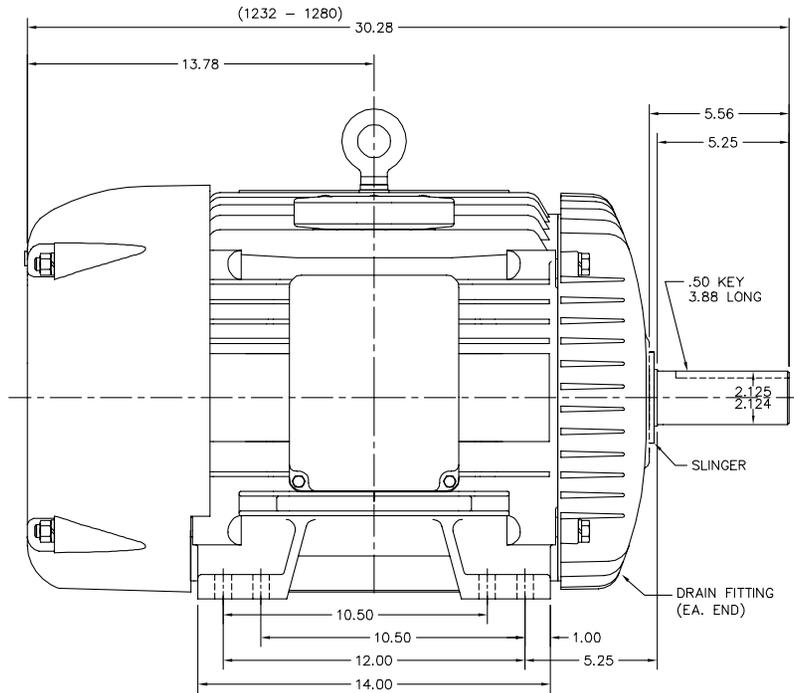
Load Characteristics 460 V, 60 Hz, 50 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	74	83	86	87	87	87
Efficiency	91.3	94.3	94.8	94.6	94	93.1	94.2
Speed	1794.5	1789.3	1783.5	1777.5	1770.7	1761.5	1773
Line amperes	24.2	33.5	44.7	57.6	71.5	90	65.9

Performance Graph at 460V, 60Hz, 50.0HP Typical performance - Not guaranteed values



12LYH013



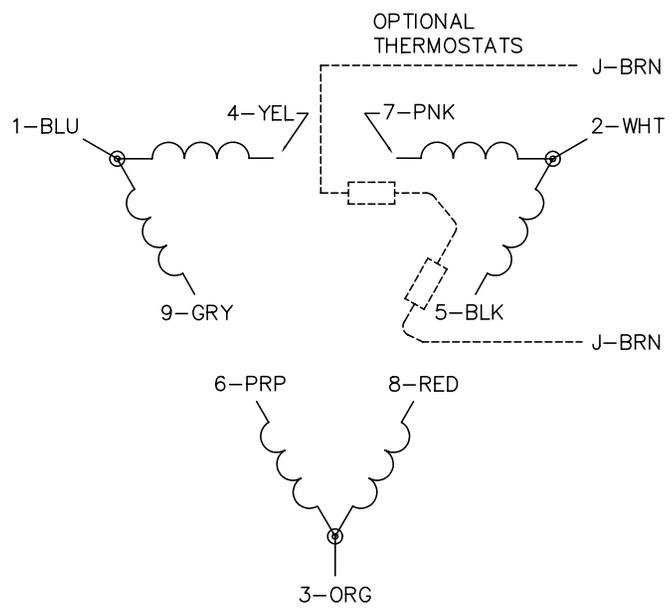
12LYH013

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

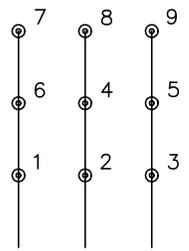
REV. DESC: REMOVE LOCKNUT	VERSION: 05	TDR: 000000953592
REV. LTR: J	REVISED: 01:43:33 11/16/2015	BY: ENMARSO
FILE: \AAA\00011\066		
MTL: -		

BALDOR
 HORZ TEFC 324-6T; HI-EFF
 SH 1 of 1

CD0180

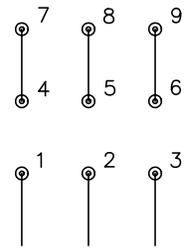


LOW VOLTAGE (2D)



LINE

HIGH VOLTAGE (1D)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: JLP	REVISED: 01/21/99 2:28	TDR: 0171435
0810D0		FILE: AAA00005148	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS, DELTA CONNECTION

CD0180