

BALDOR® • RELIANCE

Product Information Packet

EM2554T-4

125HP,3540RPM,3PH,60HZ,404TS,4476M,OPSB

Part Detail

Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	44WG324	CD Diagram:	CD0382	Mfg Plant:	
Mech. Spec:	44E194	Layout:	44LYE194	Poles:	02	Created Date:	11-05-2010
Base:	RG	Eff. Date:	03-30-2017	Leads:	6#6		

Specs

Catalog Number:	EM2554T-4	KVA Code:	G
Enclosure:	OPSB	Lifting Lugs:	Standard Lifting Lugs
Frame:	404TS	Locked Bearing Indicator:	Locked Bearing
Frame Material:	Steel	Motor Lead Quantity/Wire Size:	6 @ 6 AWG
Output @ Frequency:	125.000 HP @ 60 HZ	Motor Lead Exit:	Ko Box
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Termination:	Flying Leads
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Type:	4476M
Agency Approvals:	CSA	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	88
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	143.000 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
Design Code:	B	Shaft Rotation:	Reversible
Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	No Slinger

Duty Rating:	CONT	Speed Code:	Single Speed
Electrically Isolated Bearing:	Not Electrically Isolated	Motor Standards:	NEMA
Feedback Device:	NO FEEDBACK	Starting Method:	Wye Start - Delta Run
Front Face Code:	Standard	Thermal Device - Bearing:	None
Front Shaft Indicator:	None	Thermal Device - Winding:	None
Heater Indicator:	No Heater	Vibration Sensor Indicator:	No Vibration Sensor
Insulation Class:	F	Winding Thermal 1:	None
Inverter Code:	Not Inverter	Winding Thermal 2:	None

Nameplate NP2138LUA

CAT.NO.	EM2554T-4		P/N			ENCLOSURE	OPSB	
SPEC.	44E194W324	CC	010A	FRAME	404TS	S/N		
HP	125		CLASS	F	HZ	60		
RPM	3540		PH	3	DES	B		
VOLT	460		KVA-CODE	G		ODE BRG	6312	DE BRG 6312
AMP	143		USABLE AT 208V					
RATING	40C AMB-CONT		GREASE	POLYREX EM				
NEMA-NOM-EFF	94.1	PF	88	SER.F.	1.15			
	50Hz 125Hp 190/380V 236/118A					SF 1.0		
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.				

AC Induction Motor Performance Data

Record # 33221 - Typical performance - not guaranteed values

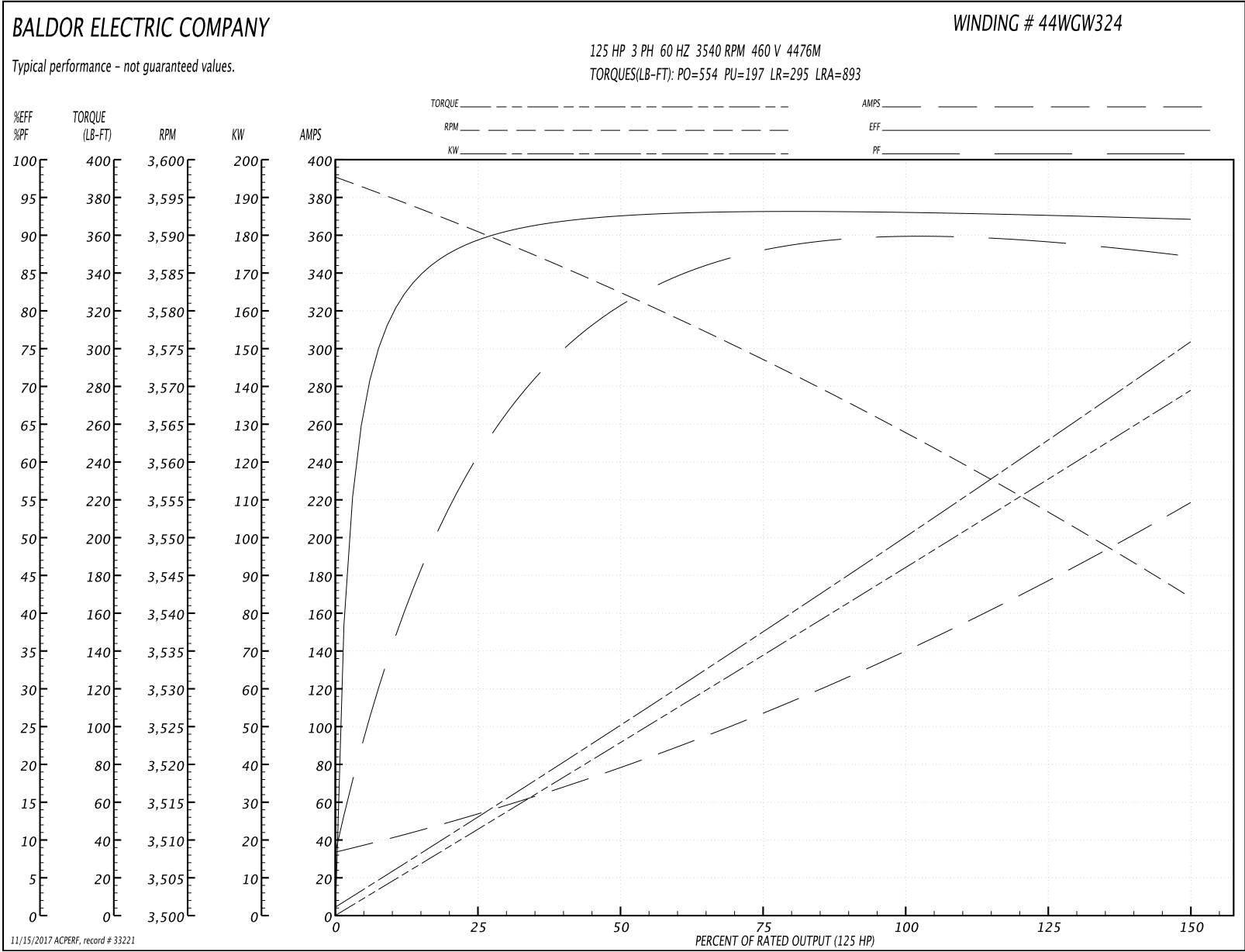
Winding: 44WGW324-R001	Type: 4476M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	125			Full Load Torque	187 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	143			Breakdown Torque	554 LB-FT
R.P.M.	3540			Pull-up Torque	197 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	295 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	893 A
Service Factor (S.F.)	1.15			No-load Current	35.7 A
NEMA Nom. Eff.	94.1	Power Factor	88	Line-line Res. @ 25°C	0.038466 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	39°C
S.F. Amps				Temp. Rise @ S.F. Load	48°C
				Locked-rotor Power Factor	17.2
				Rotor inertia	9.94 LB-FT ²

Load Characteristics 460 V, 60 Hz, 125 HP

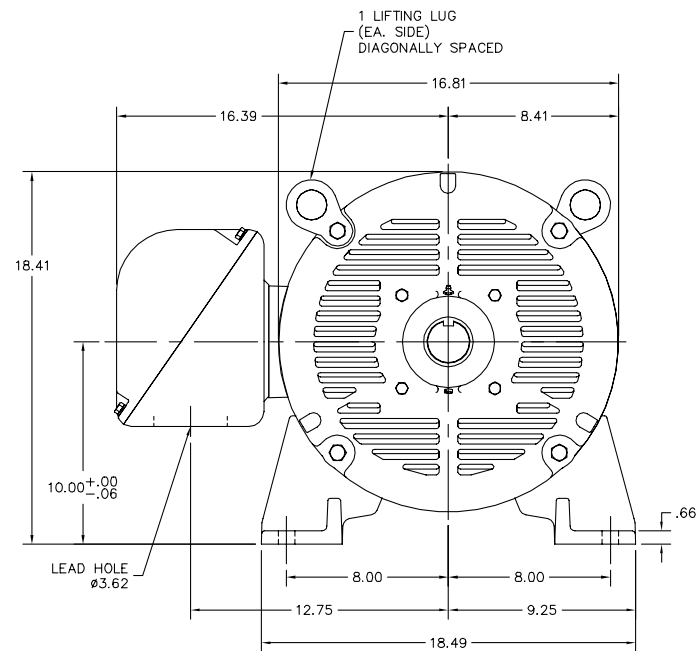
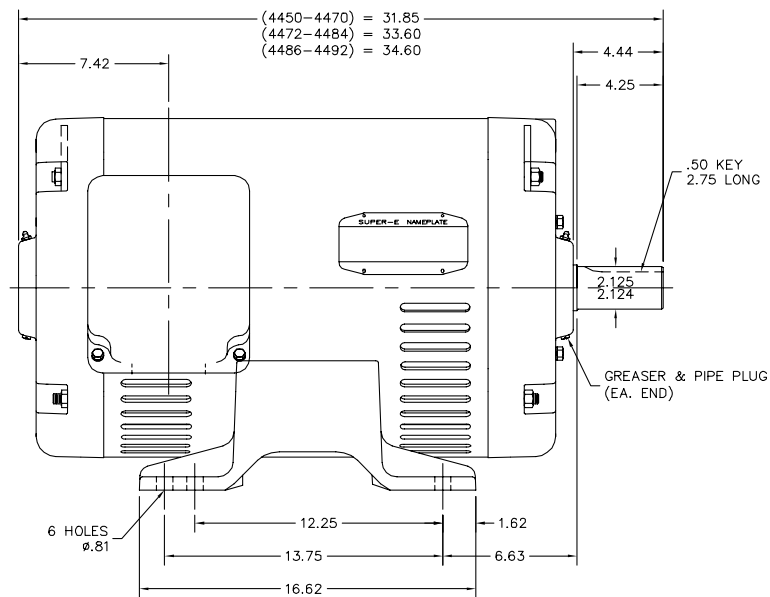
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	65	83	87	88	89	88	89
Efficiency	91.9	94.5	94.7	94.3	93.7	92.8	93.9
Speed	3588.6	3581.9	3573.7	3564.4	3553.5	3541.5	3558
Line amperes	51	78.3	108	143	179	217	165

Performance Graph at 460V, 60Hz, 125.0HP Typical performance - Not guaranteed values



11/15/2017 ACPERF, record # 33221

44LYE194



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

REV. DESC: NEW	VERSION: 00	TDR: 000000505124
REV. LTR: -	REvised: 07:25:27 07/10/2009	BY: ENGAMGO
FILE: \AAA\00164\047		
MTL: -		

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HORZ OPSB 404-5TS, SUPER-E

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