



Product Information Packet

EM2555T

100HP,1780RPM,3PH,60HZ,404T,4484M,OPSB,F

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	44WGW308	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	44E057	Layout:	44LYE057	Poles:	04	Created Date:	08-06-2010
Base:	RG	Eff. Date:	04-08-2019	Leads:	9#4		

Specs			
Catalog Number:	EM2555T	Insulation Class:	F
Enclosure:	OPSB	Inverter Code:	Inverter Ready
Frame:	404T	KVA Code:	H
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	100.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 4 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	4484M
Agency Approvals:	CSA	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	83
	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:	248.000 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding

	236.000 A @ 230.0 V	Shaft Rotation:	Reversible
	118.000 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	A	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP2138LUA

CAT.NO.	EM2555T		P/N			ENCLOSURE	OPSB	
SPEC.	44E057W308G1		CC	010A		FRAME	404T	
HP	100		CLASS	F		HZ	60	
RPM	1780		PH	3		DES	A	
VOLT	230/460		KVA-CODE	H		ODE BRG	6312	
AMP	236/118		USABLE AT 208V	248		DE BRG	6316	
RATING	40C AMB-CONT		GREASE	POLYREX EM				
NEMA-NOM-EFF	95.4	PF	83	SER.F.	1.15			
	50Hz 100Hp 190/380V 280/140A					SF 1.0		
HTR-VOLTS			HTR-AMPS					

AC Induction Motor Performance Data

Record # 31771

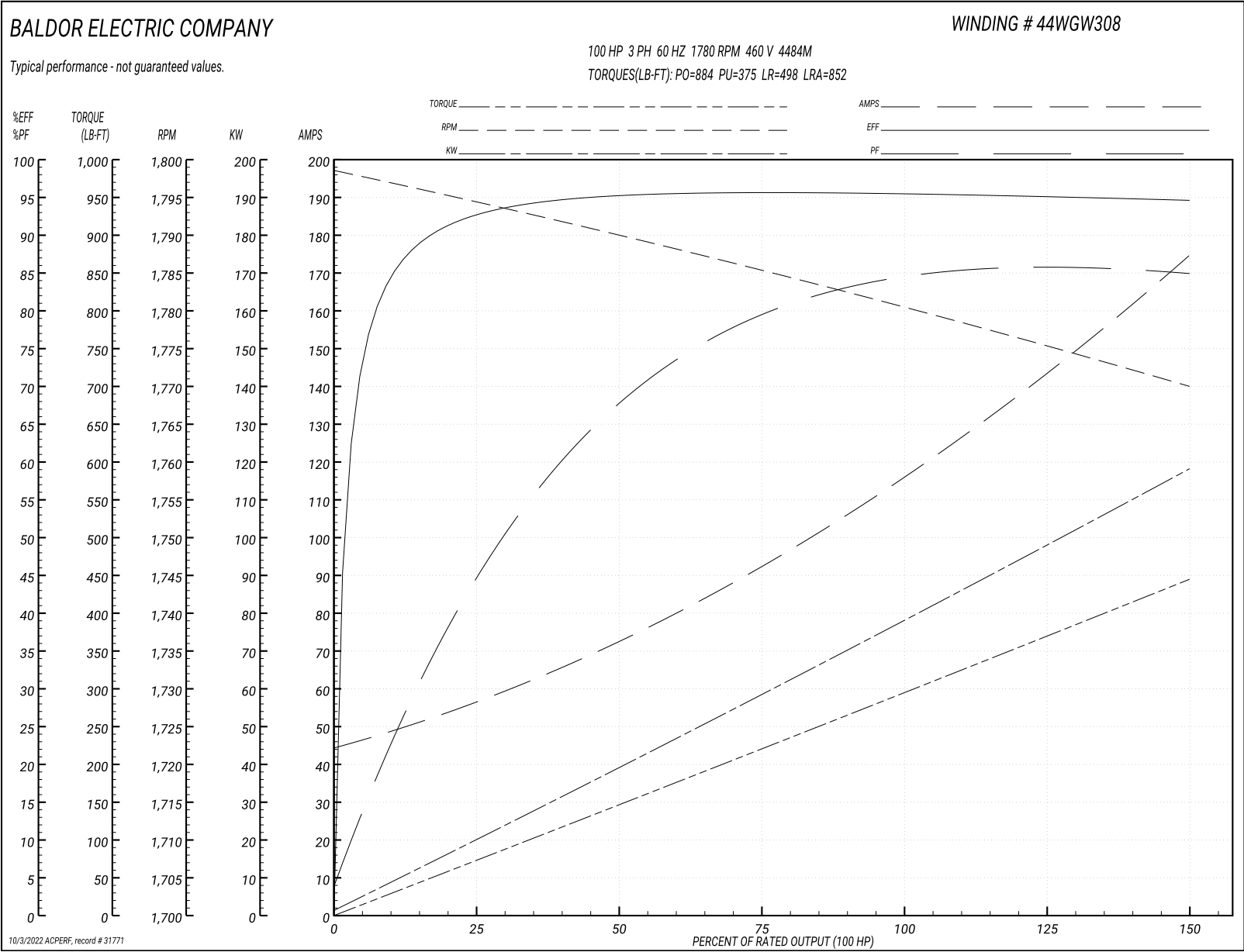
Typical performance - not guaranteed values

Winding: 44GW308-R001				Type: 4484M		Enclosure: OPSB	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		100		Full Load Torque		295 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		236/118		Breakdown Torque		884 LB-FT	
R.P.M.		1780		Pull-up Torque		375 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		498 LB-FT	
NEMA Design Code		A	KVA Code	H	Starting Current		852 A
Service Factor (S.F.)		1.15		No-load Current		46.4 A	
NEMA Nom. Eff.		95.4	Power Factor	83	Line-line Res. @ 25°C		0.045551 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		47°C	
S.F. Amps				Temp. Rise @ S.F. Load		57°C	
				Locked-rotor Power Factor		25.3	
				Rotor inertia		15.9 LB-FT2	

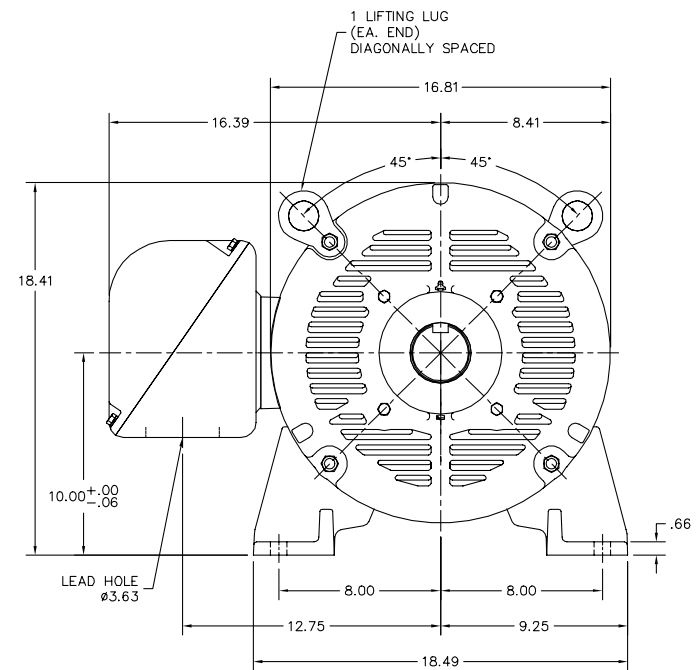
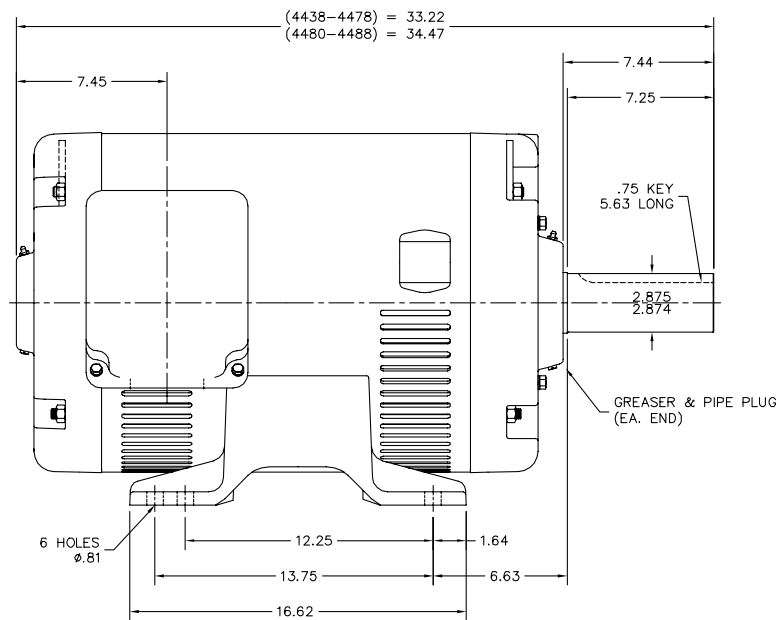
Load Characteristics 460 V, 60 Hz, 100 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	70	79	83	85	86	84
Efficiency	92.6	95.3	95.7	95.6	95.2	94.6	95.4
Speed	1794	1789.8	1785.5	1780.7	1775.5	1769.8	1778
Line amperes	54.2	70.6	92.8	118	145	173	134

Performance Graph at 460V, 60Hz, 100.0HP Typical performance - Not guaranteed values



44LYE057



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

REV. DESC: ADDED MISSING DIMENSION	VERSION: 01	TDR: 000000858752
REV. LTR: B	REvised: 09:24:17 06/18/2014	BY: ENNINDO
FILE: \AAA\00075\019		
MTL: -		

BALDOR
HORZ OPSB 404-5T W/44AD2003
SH 1 of 1

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