

BALDOR® • RELIANCE

Product Information Packet

EM2506T

7.5HP,1180RPM,3PH,60HZ,254T,3950M,OPSB,F

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3950M	Elec. Spec:	39WGX747	CD Diagram:	CD0180
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	39K57	Layout:	39LYK057
Frame:	254T	Mounting:	F1	Poles:	06	Created Date:	10-25-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-01-2016
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L

CAT.NO.	EM2506T											
SPEC.	39K057X747											
HP	7.5											
VOLTS	230/460											
AMP	22.4/11											
RPM	1180											
FRAME	254T				HZ		60			PH		3
SER.F.	1.15		CODE		H	DES		B	CL		F	
NEMA-NOM-EFF	90.2			PF		70						
RATING	40C AMB-CONT											
CC	010A			USABLE AT 208V								23
DE	6309				ODE		6208					
ENCL	OPSB		SN									

AC Induction Motor Performance Data

Record # 32685 - Typical performance - not guaranteed values

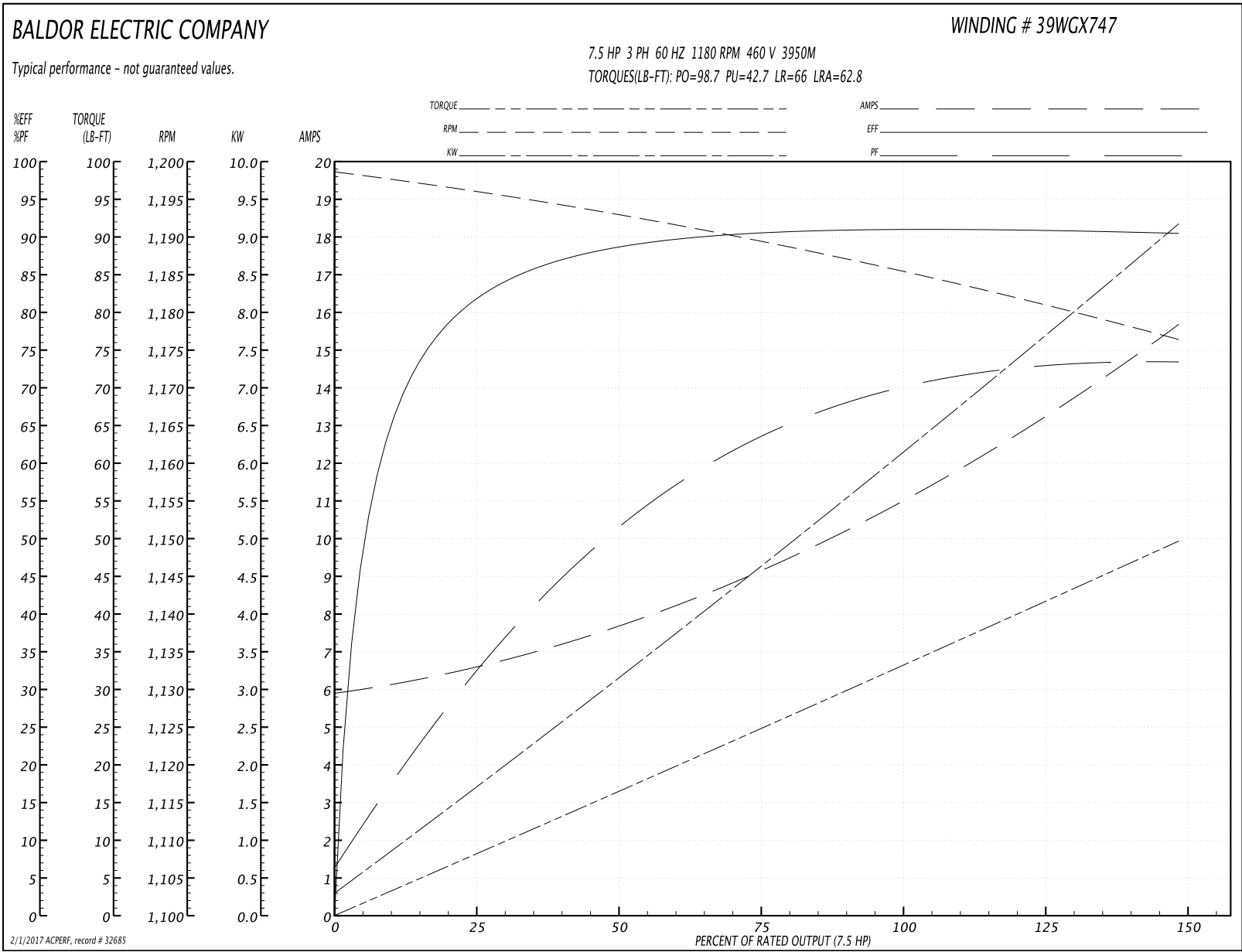
Winding: 39WGX747-R001	Type: 3950M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	33.1 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	22.4/11			Breakdown Torque	98.7 LB-FT
R.P.M.	1180			Pull-up Torque	42.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	66 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	62.8 A
Service Factor (S.F.)	1.15			No-load Current	5.96 A
NEMA Nom. Eff.	90.2	Power Factor	70	Line-line Res. @ 25°C	1.02 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	45°C
S.F. Amps				Temp. Rise @ S.F. Load	54°C
				Locked-rotor Power Factor	26
				Rotor inertia	4.02 LB-FT ²

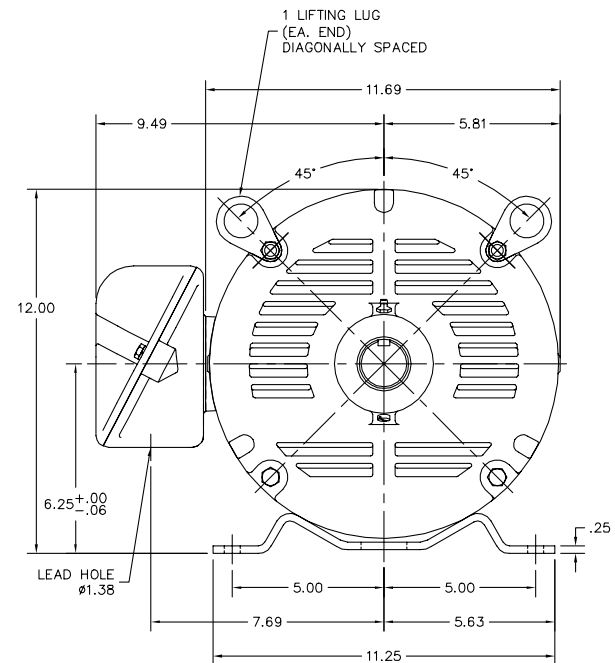
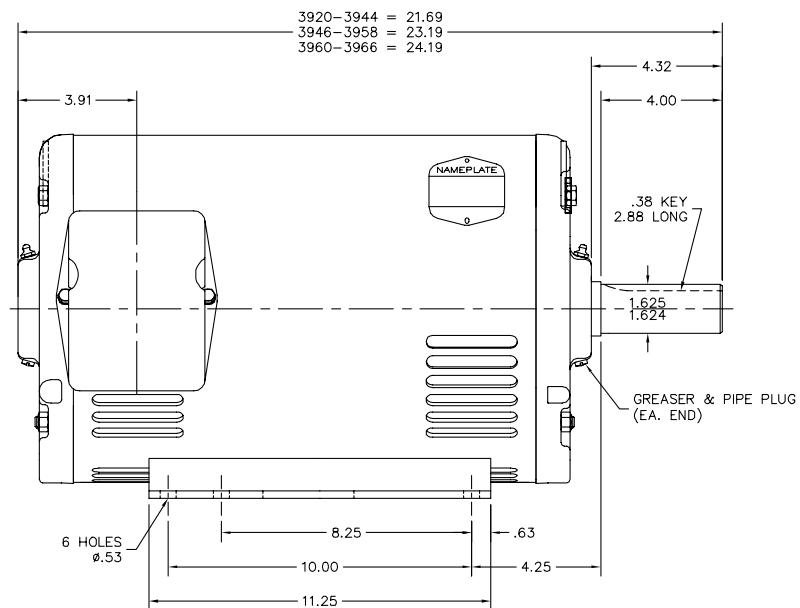
Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	52	63	70	72	74	71
Efficiency	81.4	88.6	90.4	91.2	91	90.4	91.1
Speed	1196	1192	1189	1187	1181	1176	1183
Line amperes	6.55	7.61	9.17	11	13.3	15.6	12.4

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values



39LYK057



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

REV. DESC: UPDATED DESCRIPTION		
REV. LTR: H	VERSION: 06	TDR: 000000B55568
FILE: \AAA\00049\866	REVISED: 03:22:41 05/28/2014	BY: ENNINDO
MTL: -		

BALDOR

HORZ OPSB 254-6T SUPER-E

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