

BALDOR® • RELIANCE

Product Information Packet

EM2516T

25HP,3515RPM,3PH,60HZ,256T,3938M,OPSB,F1

Part Detail							
Revision:	R	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3938M	Elec. Spec:	39WGX424	CD Diagram:	CD0180
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	39K57	Layout:	39LYK057
Frame:	256T	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-09-2016
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3553L

CAT.NO.	EM2516T										
SPEC.	39K057X424G1										
HP	25										
VOLTS	230/460										
AMP	56/28										
RPM	3515										
FRAME	256T				HZ	60		PH	3		
SER.F.	1.15		CODE	G		DES	B		CL	F	
NEMA-NOM-EFF	91.7		PF	89							
RATING	40C AMB-CONT										
CC	010A				USABLE AT 208V			62			
DE	6309				ODE	6208					
ENCL	OPSB		SN								
VPWM INVERTER READY											
CT30-60(2:1) VT3-60(20:1)											

Parts List		
Part Number	Description	Quantity
SA112807	SA 39K057X424G1	1.000 EA
RA104041	RA 39K057X424G1	1.000 EA
S/P107-000-005	SUPER-E PROC'S(254/6 FR.) ZK PLANT - POL	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
HA6016	ADAPTER, CAST CONDUIT BOX	1.000 EA
09CB3002	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	1.000 EA
39EP3200A01SP	FR/PU ENDPLATE, MACH	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
39EP3201A13	PU ENDPLATE, MACH	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
09CB3501	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.030 LB
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
HA3154A09	TB STUD 3/8-16 X 16.25	4.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP3553L	ALUM SUPER-E VPWM INVERTER READY UL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
39PA1000	PACKAGING GROUP 39 PRINT	1.000 EA

Accessories		
Part Number	Description	Multiplier
39-3400	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 32011 - Typical performance - not guaranteed values

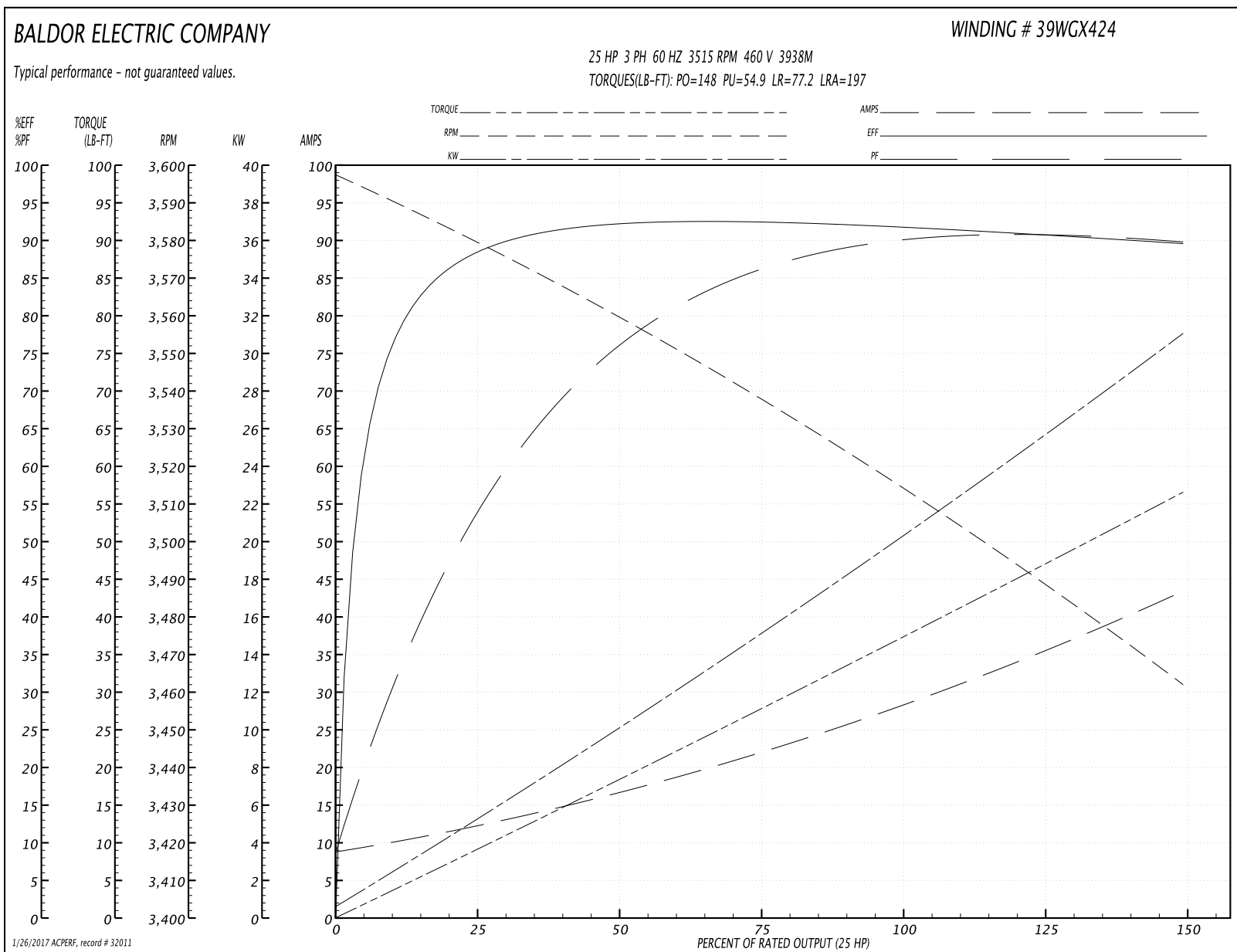
Winding: 39WGX424-R001	Type: 3938M	Enclosure: OPSB
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	25			Full Load Torque	37.2 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	56/28			Breakdown Torque	148 LB-FT
R.P.M.	3515			Pull-up Torque	54.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	77.2 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	197 A
Service Factor (S.F.)	1.15			No-load Current	8.48 A
NEMA Nom. Eff.	91.7	Power Factor	89	Line-line Res. @ 25°C	0.38245 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	46°C
S.F. Amps				Temp. Rise @ S.F. Load	57°C
				Locked-rotor Power Factor	29
				Rotor inertia	0.971 LB-FT ²

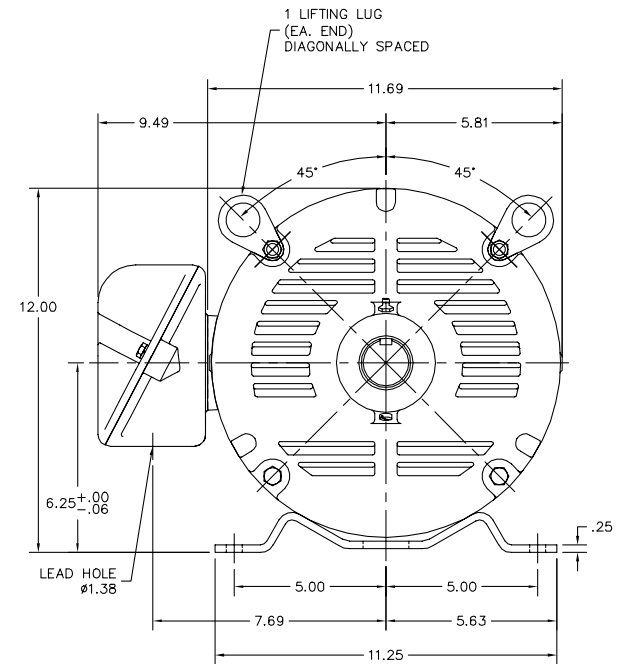
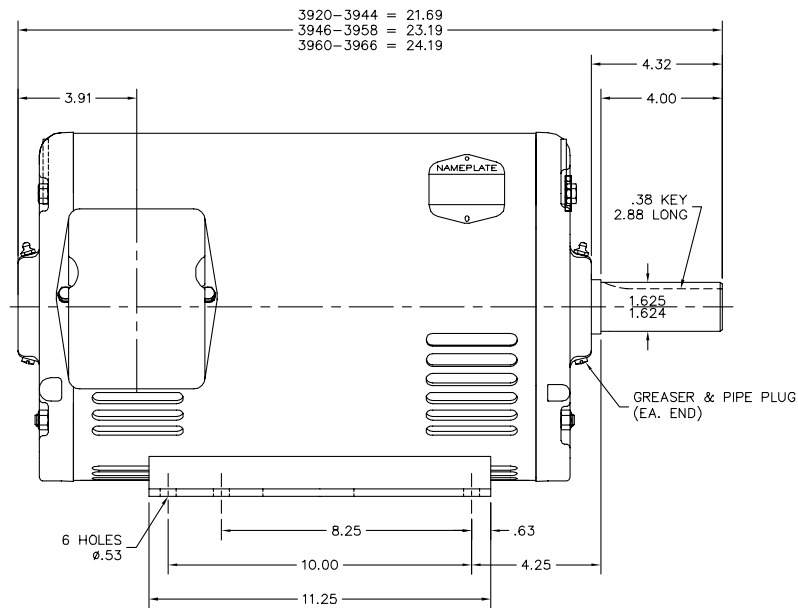
Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	79	86	89	90	90	90
Efficiency	87.5	91.8	92.3	91.7	90.7	89.4	91.1
Speed	3578.1	3559.4	3538.9	3515.1	3490	3461	3500
Line amperes	13.1	15.8	21.8	28.4	35.6	43.3	32.7

Performance Graph at 460V, 60Hz, 25.0HP 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: -		

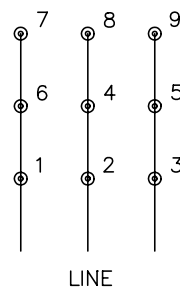
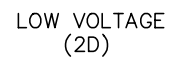
BALDOR

HORZ OPSB 254-6T SUPER-E

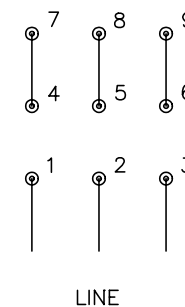
SH 1 of 1

39LYK057

CD0180



HIGH VOLTAGE
(1D)



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.

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS, DELTA CONNECTION