

BALDOR® • RELIANCE

Product Information Packet

EM2515T-5

20HP,1765RPM,3PH,60HZ,256T,3944M,OPSB,F1

Part Detail							
Revision:	AB	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3944M	Elec. Spec:	39GWG948	CD Diagram:	CD0006
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	39K57	Layout:	39LYK057
Frame:	256T	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-06-2014
Leads:	3#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L							
CAT.NO.	EM2515T-5						
SPEC.	39K057W948						
HP	20						
VOLTS	575						
AMP	18.9						
RPM	1765						
FRAME	256T	HZ	60	PH	3		
SER.F.	1.15	CODE	H	DES	B	CL	F
NEMA-NOM-EFF	93	PF	85				
RATING	40C AMB-CONT						
CC	010A	USABLE AT 208V					
DE	6309	ODE	6208				
ENCL	OPSB	SN					

Parts List		
Part Number	Description	Quantity
SA039369	SA 39K057W948	1.000 EA
RA035332	RA 39K057W948	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
09CB3002SP	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
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	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
09CB3501SP	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
MJ1000A75	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
LC0006	CONNECTION LABEL	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
39PA1000	PACKAGING GROUP 39 PRINT	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

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

AC Induction Motor Performance Data

Record # 13006 - Typical performance - not guaranteed values

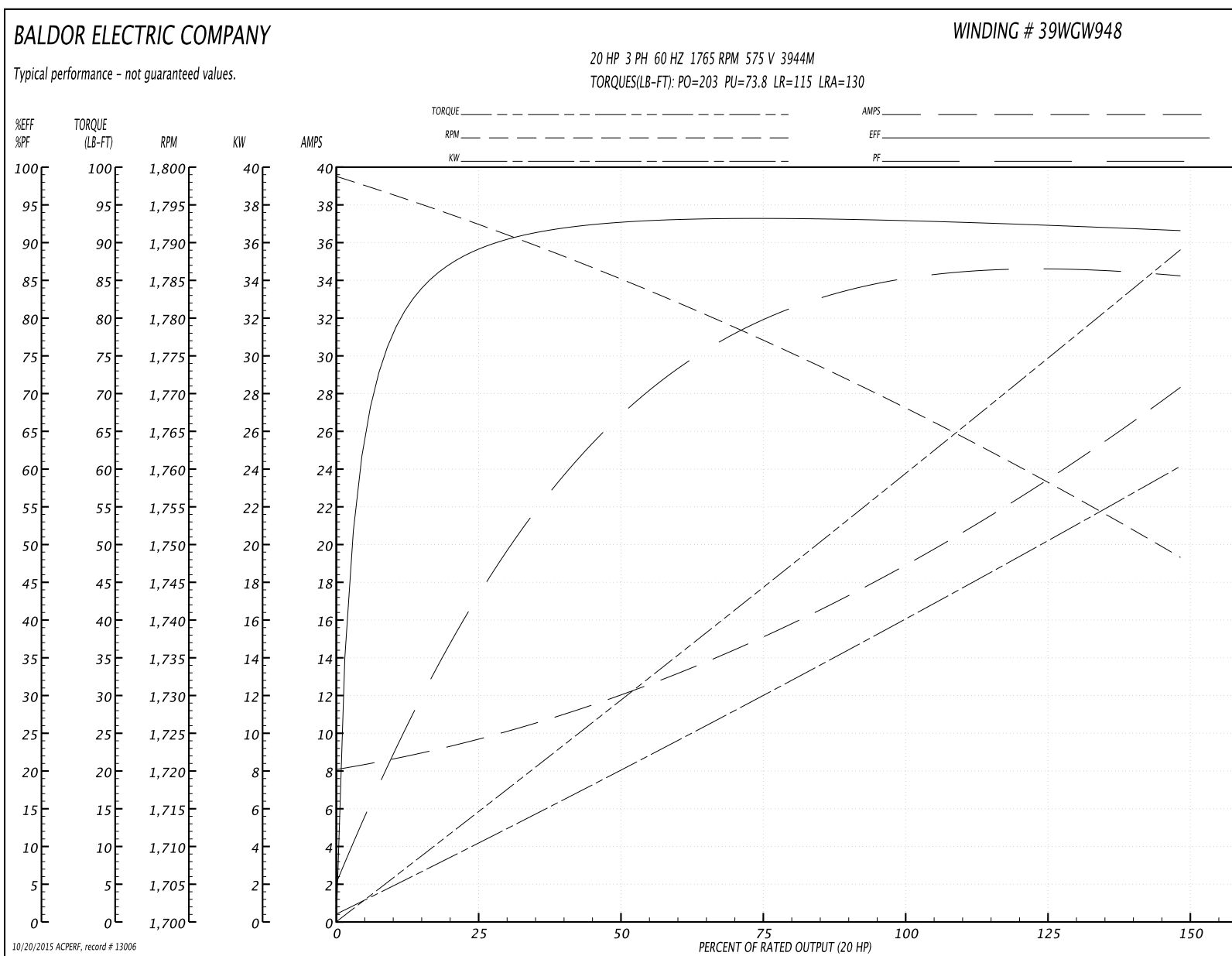
Winding: 39WGW948-R001	Type: 3944M	Enclosure: OPSB
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Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	20			Full Load Torque	59.4 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	18.9			Breakdown Torque	203 LB-FT
R.P.M.	1765			Pull-up Torque	73.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	115 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	130 A
Service Factor (S.F.)	1.15			No-load Current	7.8 A
NEMA Nom. Eff.	93	Power Factor	85	Line-line Res. @ 25°C	0.695 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	33°C
S.F. Amps				Temp. Rise @ S.F. Load	44°C
				Rotor inertia	1.92 LB-FT ²

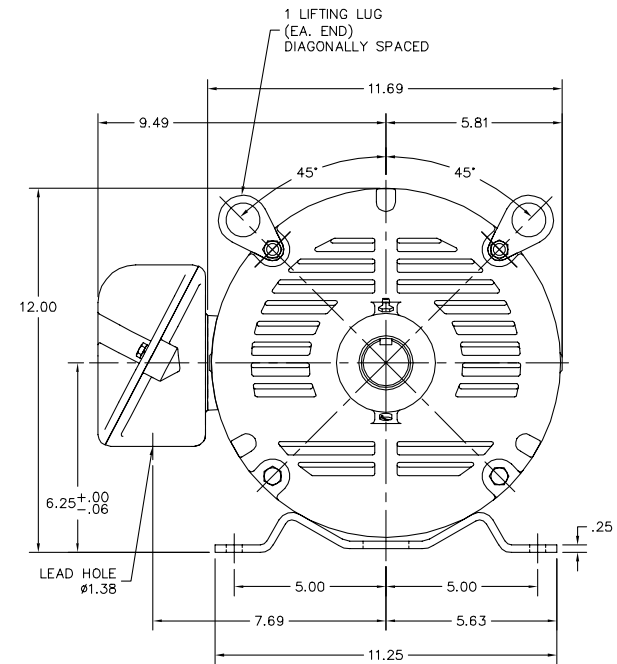
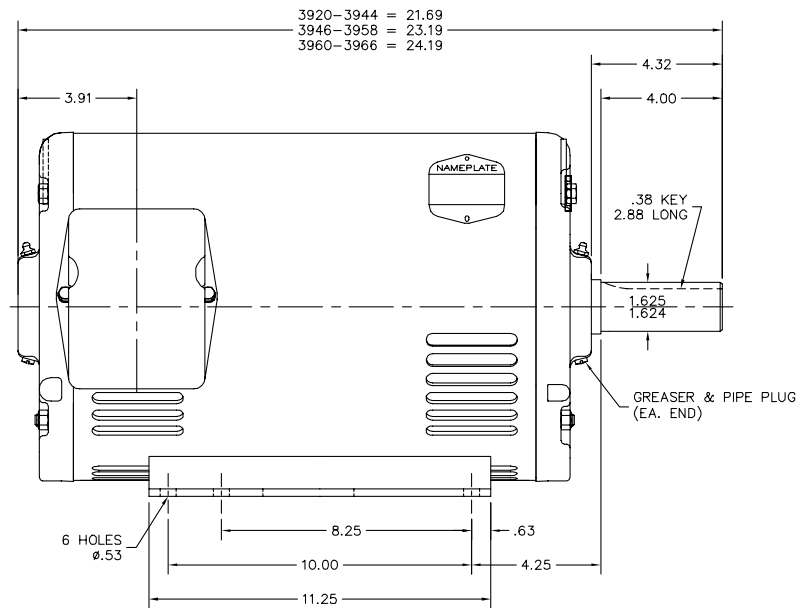
Load Characteristics 575 V, 60 Hz, 20 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	65	82	85	88	85	87
Efficiency	88.5	92.5	93.2	93.1	92.4	91.5	92.7
Speed	1792	1785	1777	1768	1759	1748	1763
Line amperes	10	12.5	14.8	18.9	23	28.6	21.36

Performance Graph at 575V, 60Hz, 20.0HP 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	VERSION: 06	TDR: 000000B55568
REV. LTR: H	REVISED: 03:22:41 05/28/2014	BY: ENNINDO
FILE: \AAA\00049\866		
MTL: -		

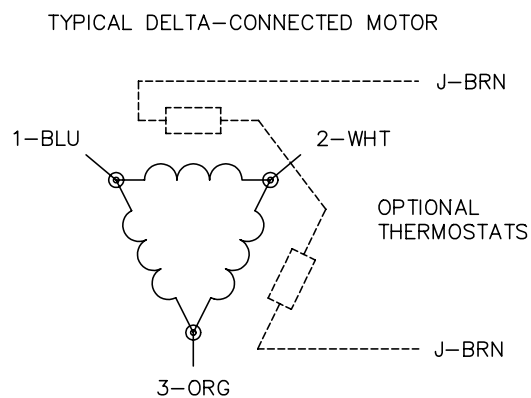
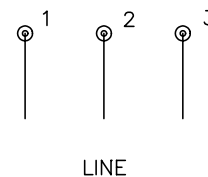
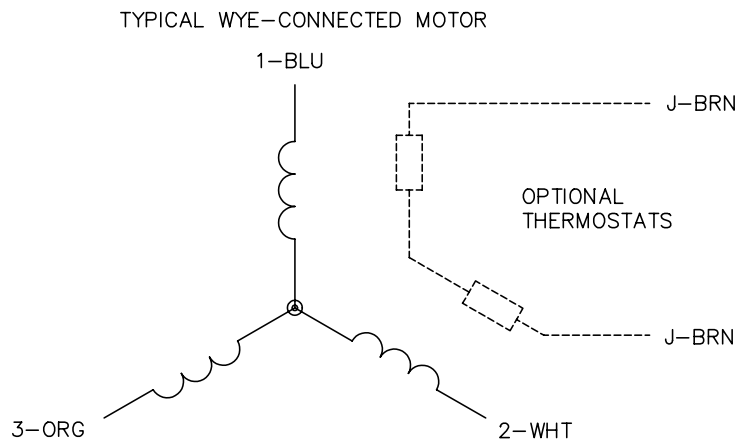
BALDOR

HORZ OPSB 254-6T SUPER-E

SH 1 of 1

39LYK057

CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006