

BALDOR® • RELIANCE 

Product Information Packet

EFM2513T-8

15HP, 1765RPM, 3PH, 60HZ, 254T, 3948M, OPSB, F2

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	39WGY387	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	39K70	Layout:	39LYK070	Poles:	04	Created Date:	10-09-2017
Base:	RG	Eff. Date:	04-29-2021	Leads:	3#8		

Specs			
Catalog Number:	EFM2513T-8	Inverter Code:	Inverter Ready
Enclosure:	OPSB	IP Rating:	NONE
Frame:	254T	KVA Code:	H
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	15.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 8 AWG
Voltage @ Frequency:	200.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3948M
Agency Approvals:	UR	Mounting Arrangement:	F2
	CSA EEV	Power Factor:	85
	CSA	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:	40.000 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding

	41.000 A @ 200.0 V	Shaft Rotation:	Reversible
Design Code:	A	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP3553L										
CAT.NO.	EFM2513T-8									
SPEC	39K070Y387G1									
HP	15									
VOLTS	200									
AMPS	41									
RPM	1765									
FRAME	254T				HZ	60			PH	3
SF	1.15		CODE	H	DES	A		CLASS	F	
NEMA NOM. EFF	93		PF	85						
RATING	40C AMB-CONT									
CC	010A			USABLE AT 208V						40
ENCL	OPSB		SER							
DE	6309			ODE	6208					
VPWM INVERTER READY										
CT30-60(2:1) VT3-60(20:1)										

AC Induction Motor Performance Data

Record # 67189

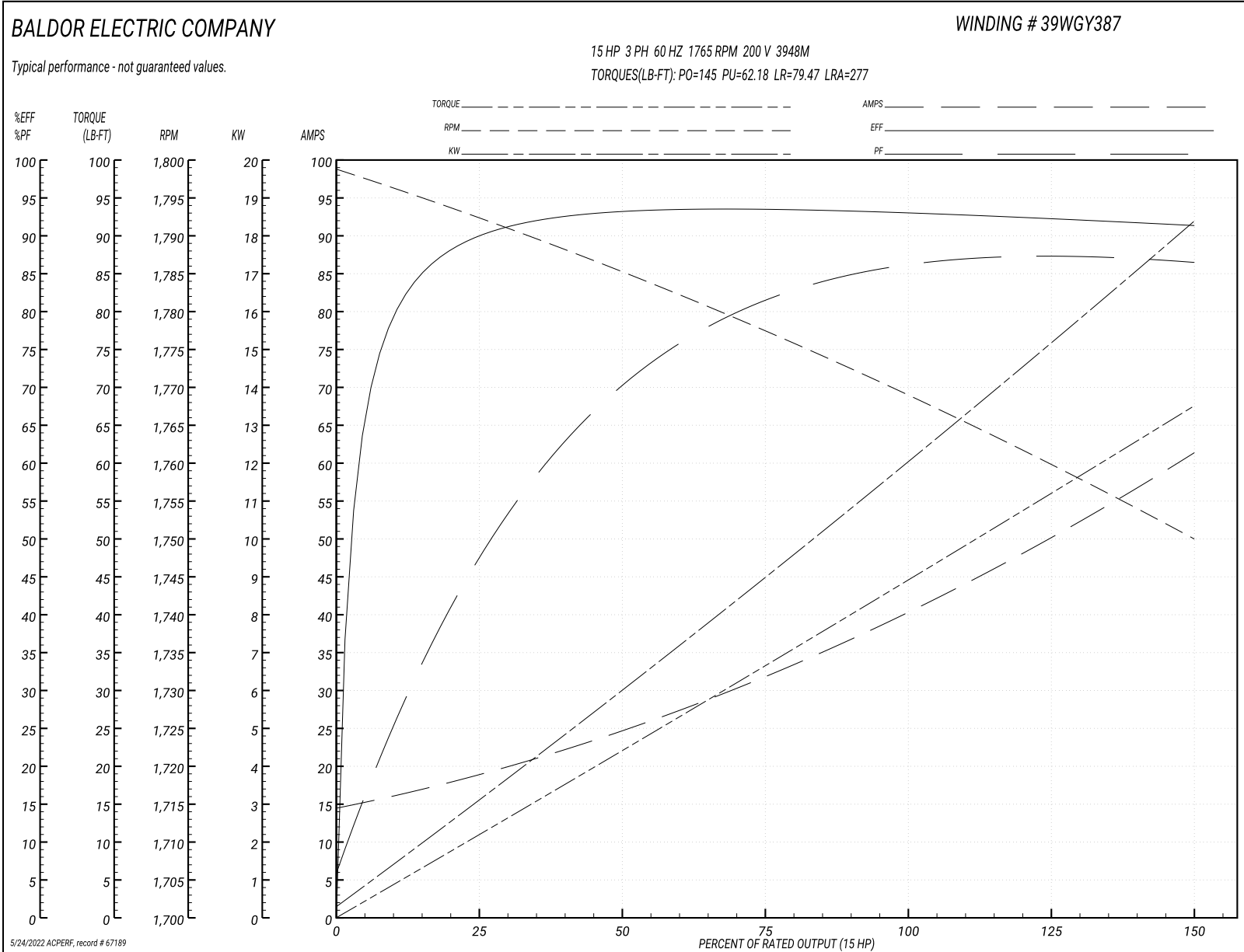
Typical performance - not guaranteed values

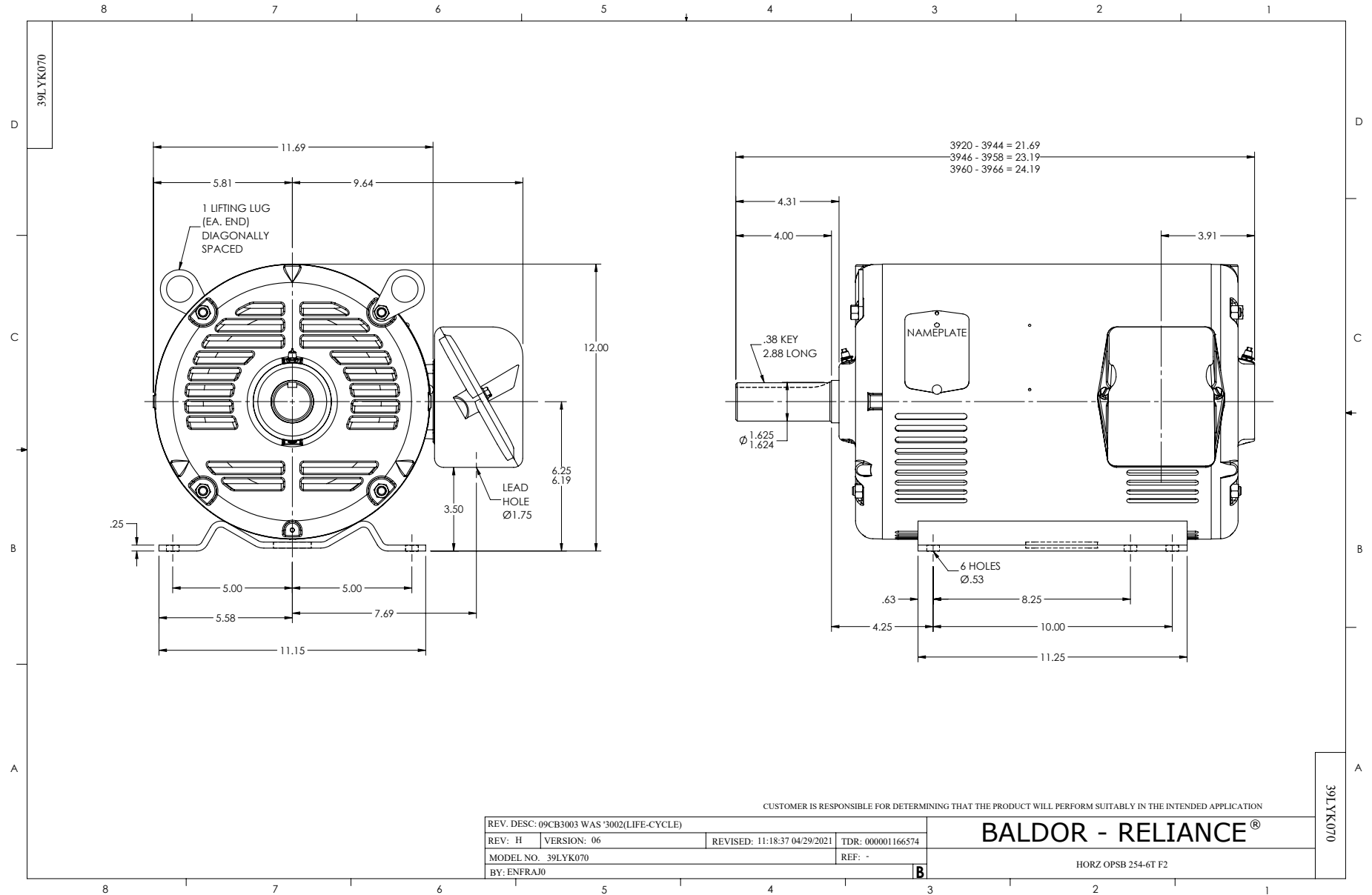
Winding: 39WGY387-R001		Type: 3948M	Enclosure: OPSB	
Nameplate Data			200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	15	Full Load Torque	44.48 LB-FT	
Volts	200	Start Configuration	direct on line	
Full Load Amps	41	Breakdown Torque	145 LB-FT	
R.P.M.	1765	Pull-up Torque	62.18 LB-FT	
Hz	60 Phase	Locked-rotor Torque	79.47 LB-FT	
NEMA Design Code	A KVA Code	Starting Current	277 A	
Service Factor (S.F.)	1.15	No-load Current	15.15 A	
NEMA Nom. Eff.	93 Power Factor	Line-line Res. @ 25°C	0.108 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	26°C	
S.F. Amps		Temp. Rise @ S.F. Load	32°C	
		Locked-rotor Power Factor	32.9	
		Rotor inertia	2.1 lb-ft ²	

Load Characteristics 200 V, 60 Hz, 15 HP

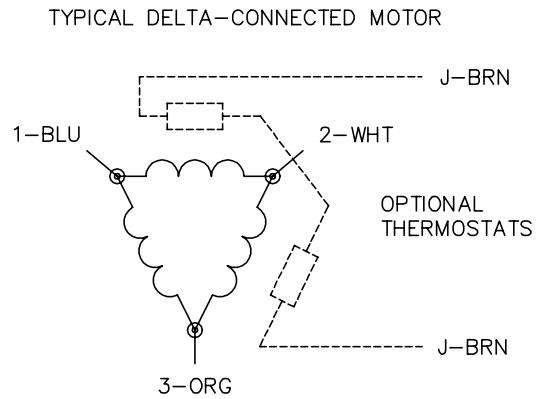
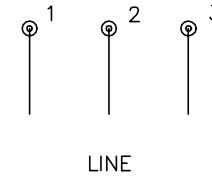
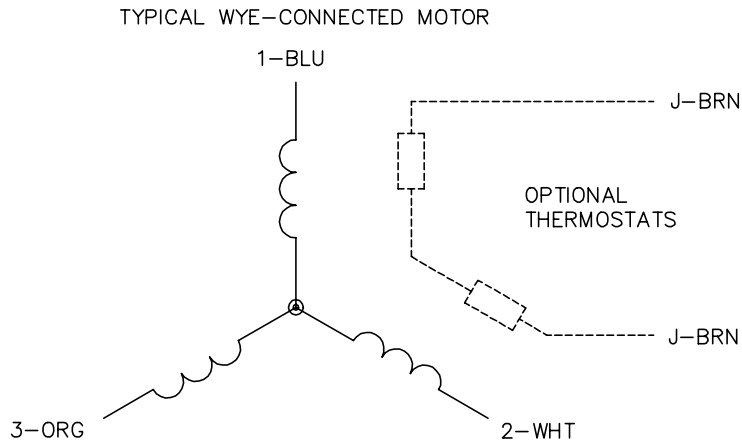
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	72	81	85	87	87	86
Efficiency	89.8	93	93.5	93	92.3	91.3	92.6
Speed	1792	1785	1778	1769	1760	1750	1764
Line amperes	18.08	24.24	31.96	40.84	50.2	60.92	46.5

Performance Graph at 200V, 60Hz, 15.0HP Typical performance - Not guaranteed values





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.

CD0006

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

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