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# Customer information packet

## EHM2523T-8

15HP, 1765RPM, 3PH, 60HZ, 254T, 3948M, OPSB, F1

Class - None

Division - Not Applicable

## Specifications

Enclosure	OPSB
Frame	254T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	200.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	41.000 A @ 200.0 V 40.000 A @ 208.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	41.0 a
Insulation Class	F

## Part detail

Revision	K
Type	AC
Mech. spec.	39R006
Base	
Status	PRD/A
Elec. spec.	39WGY389
Layout	39LYR006
Eff. date	07-10-2024
CD Diagram	CD0695
Poles	04
Leads	6#8
Proprietary	False
Created date	10-12-2017

<b>Inverter Code</b>	Inverter Ready
<b>KVA Code</b>	H
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	6 @ 8 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3948M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	23.19 IN
<b>Power Factor</b>	85
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.625 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1765 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Part Winding
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP2094E06B03</b>										
<b>CAT.NO.</b>	EHM2523T-8									
<b>SPEC.</b>	39R006Y389G1									
<b>HP</b>	15									
<b>VOLTS</b>	200									
<b>AMPS</b>	41									
<b>RPM</b>	1765									
<b>FRAME</b>	254T		<b>HZ</b>	60		<b>PH</b>	3			
<b>SER.F.</b>	1.15	<b>CODE</b>	H	<b>DES</b>	A	<b>CL</b>	F			
<b>NEMA-NOM-EFF</b>	93		<b>PF</b>	85						
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>	010A		<b>USABLE AT 208V</b>				N/A			
<b>DE</b>	6309		<b>ODE</b>	6208						
<b>AUTO</b>		<b>MANUAL</b>		<b>NONE</b>						
<b>ENCL</b>	OPSB	<b>SN</b>								
<b>BLANK</b>										

**AC Induction Motor Performance Data**

Record # 67364

Typical performance - not guaranteed values

Winding: 39WGY389-R001		Type: 3948M	Enclosure: OPSB		
<b>Nameplate Data</b>			<b>200 V, 60 Hz: Run Connection</b>		
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	3	Locked-rotor Torque	79.47 LB-FT
NEMA Design Code	A	KVA Code	H	Starting Current	277 A
Service Factor (S.F.)	1.15	No-load Current	15.15 A		
NEMA Nom. Eff.	93	Power Factor	85	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 <sup>2</sup>	

**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

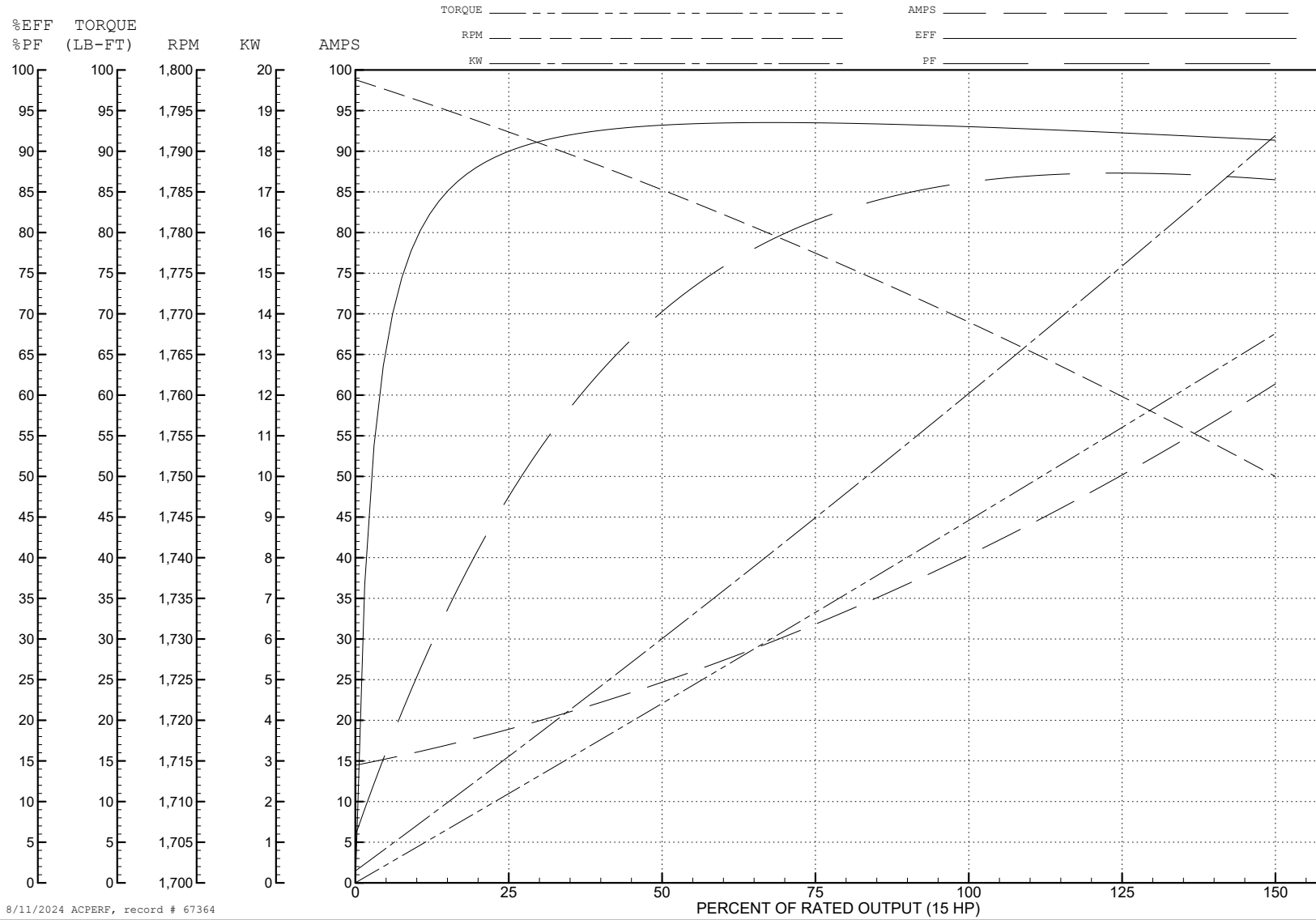
ABB Motors and Mechanical Inc.

WINDING # 39WGY389

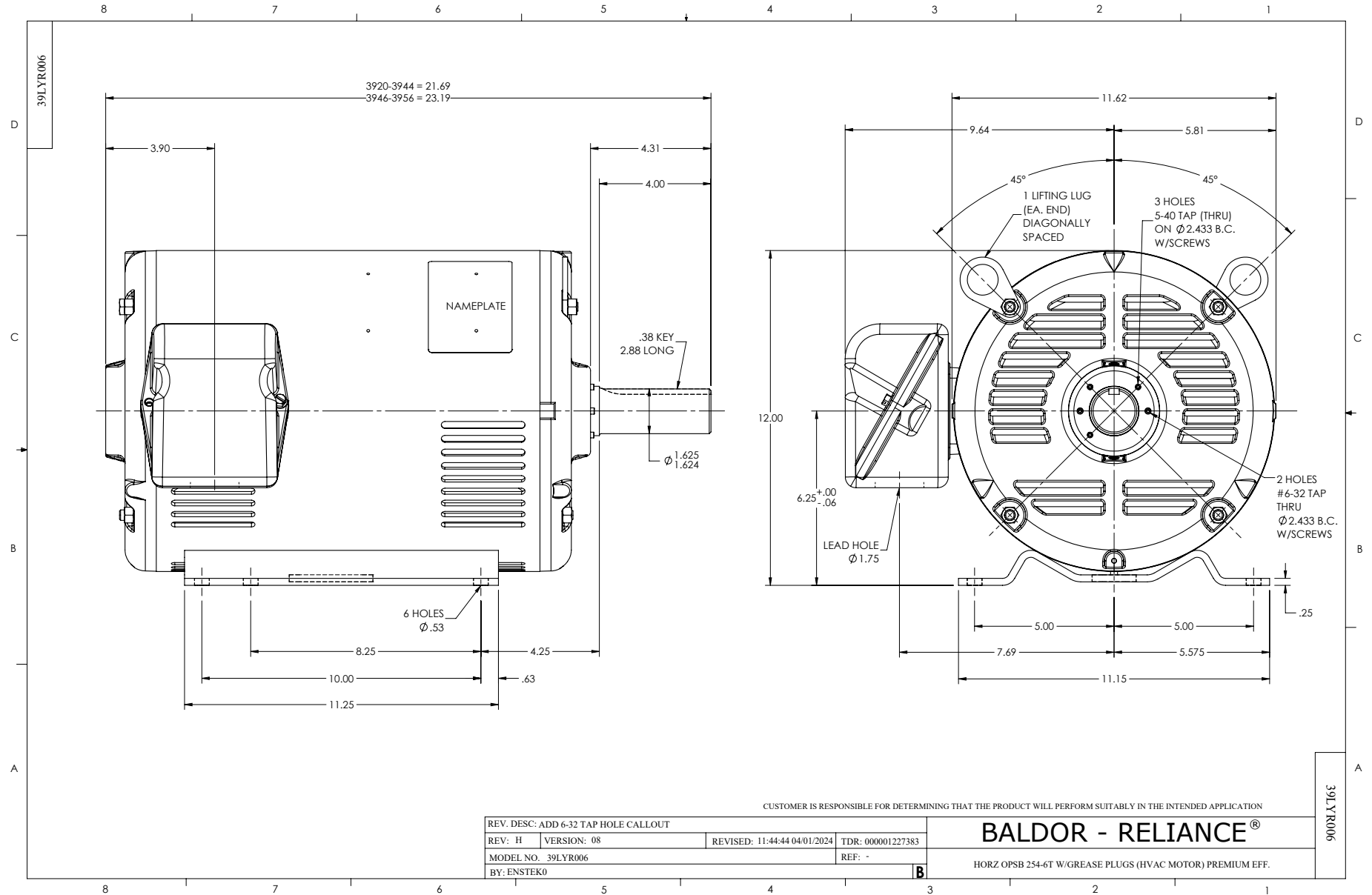
Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1765 RPM 200 V 3948M

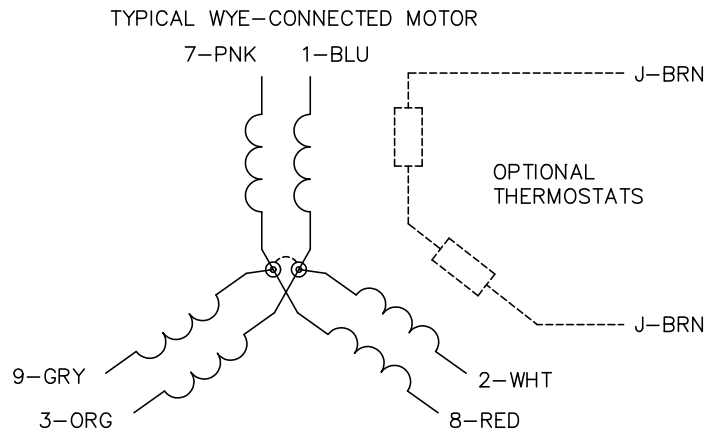
TORQUES (LB-FT): PO=145 PU=62.18 LR=79.47 LRA=277



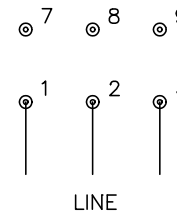
8/11/2024 ACPERF, record # 67364



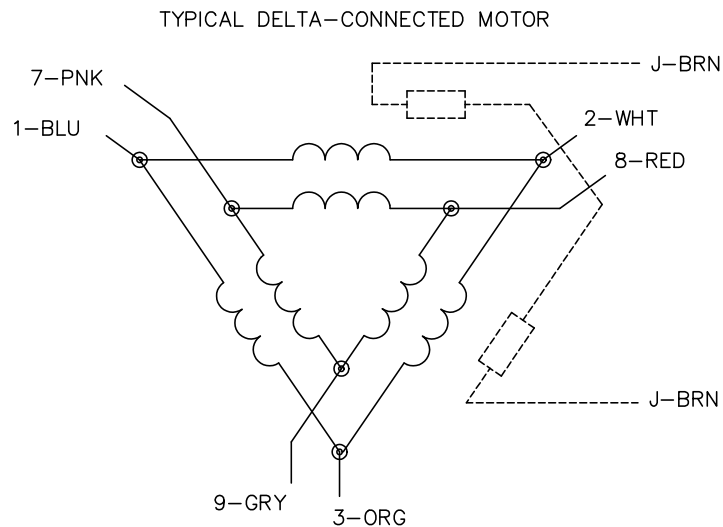
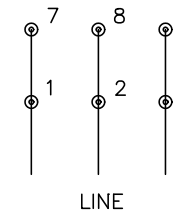
CD0695



START CONNECTION



RUN CONNECTION



NOTES:

1. MOTOR MAY BE 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 ALWAYS BE NUMBERED AS SHOWN.

CD0695

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: JLP	REVISED: 01/21/99 3:19	TDR: 0171435
S69000		FILE: AAA0005151	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, PART WINDING START