ABB BALDOR RELIANCE

Customer information packet

EJMM2513T

15HP, 1765RPM, 3PH, 60HZ, 254JM, 3948M, OPSB, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPSB
Frame	254JM
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	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA EEV
	UR
	NEMA_PREMIUM
	NEMA PREMIUM
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	18.200 A @ 460.0 V
	36.400 A @ 230.0 V
	39.000 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
Heater Indicator	No Heater

Part Detail

Revision	N
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	39WGY375
Layout	39LYK062
Eff. date	08-13-2025
CD Diagram	CD0180
Poles	04
Leads	9#12
Proprietary	False
Created date	02-12-2021

High Voltage Full Load Amps	18.2 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3948M
Mounting Arrangement	F1
Overall Length	24.69 IN
Power Factor	83
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	1.250 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1770 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1259LUA									
CAT.NO.	EJMM2513T								
SPEC.	39-0000-0376								
HP	15								
VOLTS	230/460								
AMPS	36.4/18.2								
R.P.M.	1770								
FRAME	254JM	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	J	**DES**	A	**CLASS**	F		
NEMA NOM. EFF.	93	**P.F.**	83						
RATING	40C AMB-CONT								
CC	010A								
DE	6309	**ODE**	6208						
ENCL	OPSB	**SN**							
USABLE AT	50HZ 15HP 190/380V 42/21A								SF1.0

AC Induction Motor Performance Data
Record # 93498
Typical performance - not guaranteed values

Winding: 39WGY375-R001	**Type:** 3948M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			15	**Full Load Torque**	44.57 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			36/18	**Breakdown Torque**	171 LB-FT
R.P.M.			1770	**Pull-up Torque**	79.1 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	100 LB-FT
NEMA Design Code	A	**KVA Code**	J	**Starting Current**	137 A
Service Factor (S.F.)			1.15	**No-load Current**	7.62 A
NEMA Nom. Eff.	93	**Power Factor**	83	**Line-line Res. @ 25ºC**	0.5794 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	29°C
S.F. Amps				**Temp. Rise @ S.F. Load**	35°C
				Locked-rotor Power Factor	32.8

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	45	68	78	83	86	87	85
Efficiency	88.6	92.6	93.3	93.1	92.5	91.7	92.7
Speed	1794.2	1788	1781.2	1773.7	1766.3	1758.2	1769
Line amperes	8.77	11.2	14.5	18.2	22.1	26.4	20.5

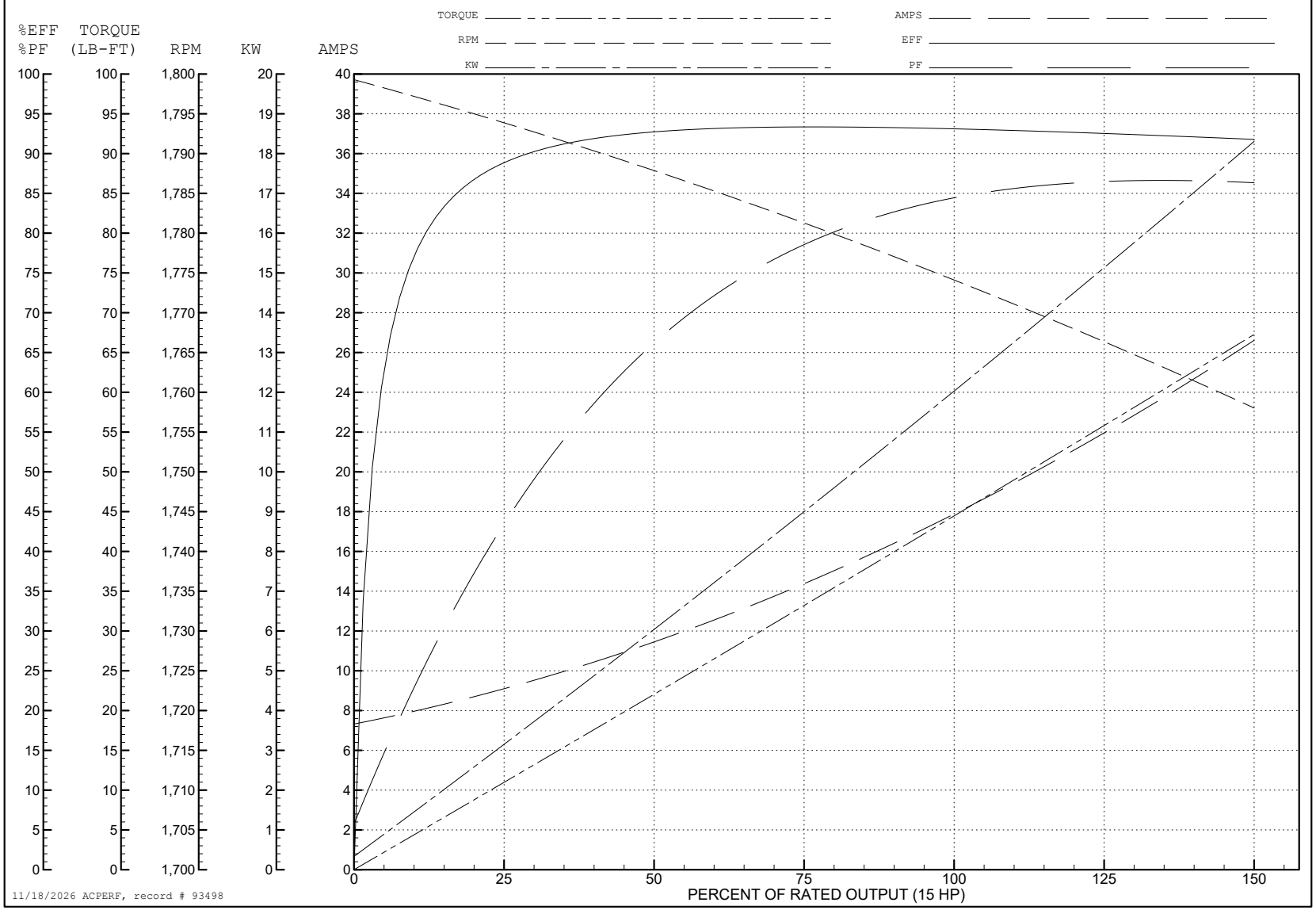
ABB Motors and Mechanical Inc.

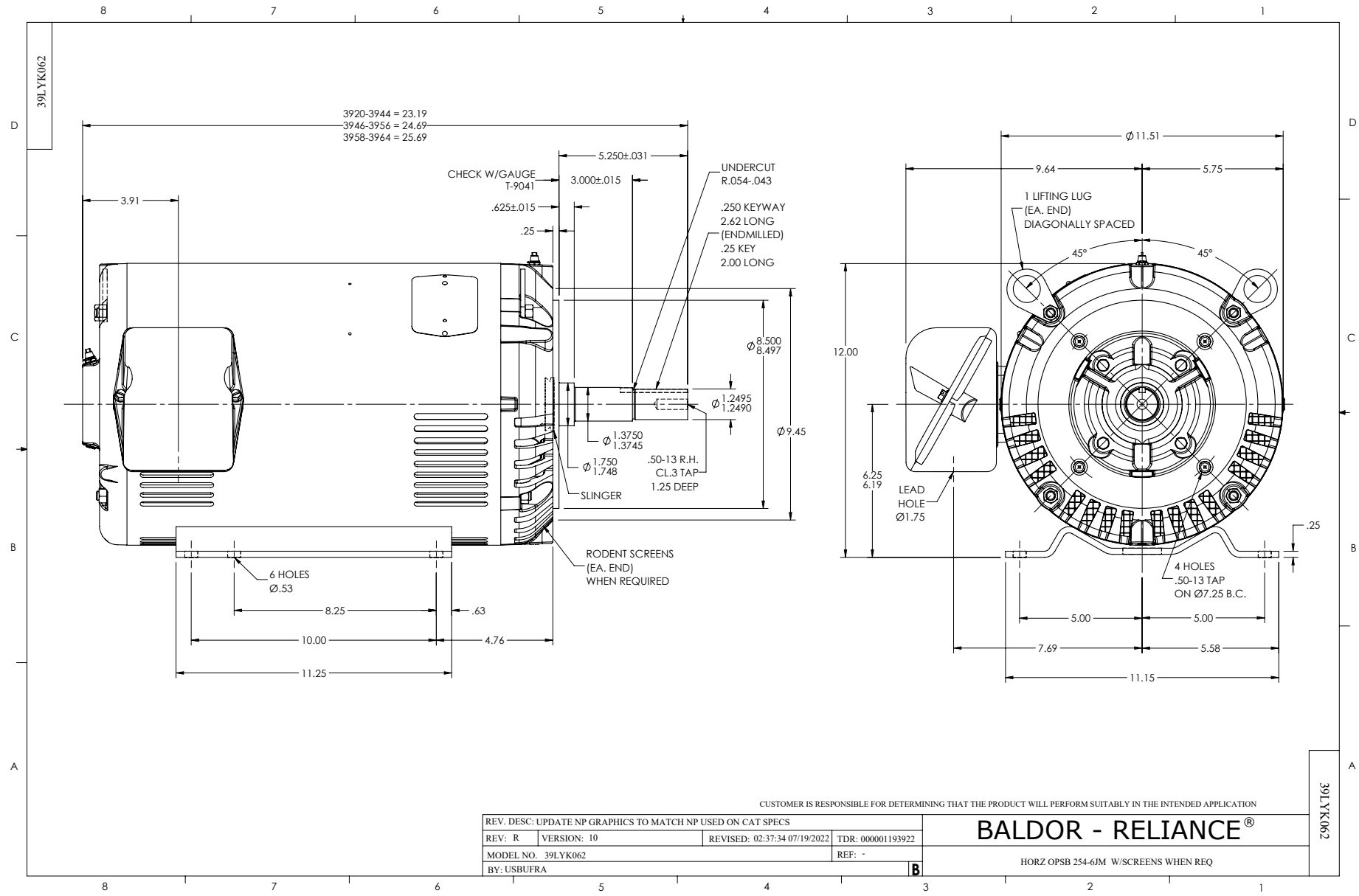
WINDING # 39WGY375

15 HP 3 PH 60 HZ 1770 RPM 460 V 3948M

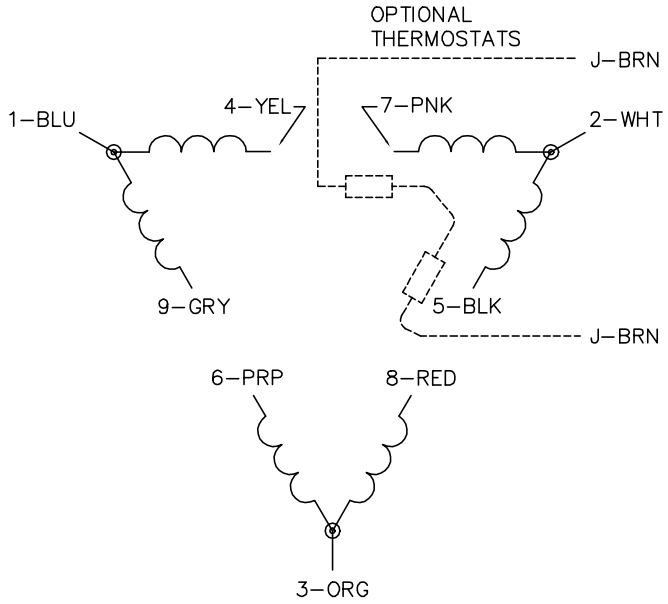
Typical performance - not guaranteed values.

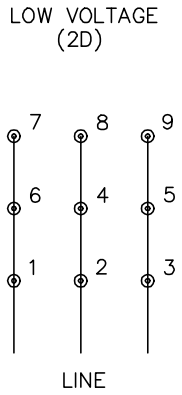
TORQUES(LB-FT): PO=171 PU=79.1 LR=100 LRA=137

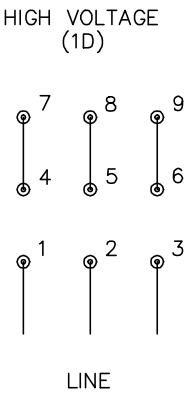



39LYK062
3920-3944 = 23.19
3946-3956 = 24.69
3958-3964 = 25.69
5.250±.031
CHECK W/GAUGE T-9041
3.000±.015
.625±.015
.25
3.91
UNDERCUT R.054-.043
.250 KEYWAY 2.62 LONG (ENDMILLED) .25 KEY 2.00 LONG
Ø8.500 8.497
Ø1.2495 1.2490
Ø1.3750 1.3745
Ø1.750 1.748
.50-13 R.H. CL.3 TAP 1.25 DEEP
SLINGER
Ø9.45
RODENT SCREENS (EA. END) WHEN REQUIRED
6 HOLES Ø.53
8.25
.63
10.00
4.76
11.25
Ø11.51
9.64
5.75
1 LIFTING LUG (EA. END) DIAGONALLY SPACED
45°
45°
12.00
6.25 6.19
LEAD HOLE Ø1.75
.25
4 HOLES .50-13 TAP ON Ø7.25 B.C.
5.00
5.00
7.69
5.58
11.15
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE NP GRAPHICS TO MATCH NP USED ON CAT SPECS
REV: R
VERSION: 10
REVISED: 02:37:34 07/19/2022
TDR: 000001193922
MODEL NO. 39LYK062
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HORZ OPSB 254-6JM W/SCREENS WHEN REQ
39LYK062

CD0180







NOTES:

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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
MTL: –		

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3PH, DV, 9 LEADS, DELTA CONNECTION

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