ABB BALDOR RELIANCE

Customer information packet

JPM2516T

25HP, 3510RPM, 3PH, 60HZ, 256JP, 3934M, OPSB, F
Class -
Division - Not Applicable

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Specifications

Enclosure	OPSB
Frame	256JP
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	UR
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	29.000 A @ 460.0 V
	58.000 A @ 230.0 V
	68.000 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
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	29.0 a
Insulation Class	B

Part Detail

Revision	F
Type	AC
Mech. spec.	39K61
Base	
Status	NLA/A
Elec. spec.	39WGX256
Layout	39LYK061
Eff. date	03-08-2016
CD Diagram	CD0180
Poles	02
Leads	9#10
Proprietary	False
Created date	06-29-2010

Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3934M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	26.06 IN
Power Factor	89
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3510 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

NP1256L									
CAT.NO.	JPM2516T								
SPEC.	39K061X256H1								
HP	25								
VOLTS	230/460								
AMP	58/29								
RPM	3510								
FRAME	256JP	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	G	**DES**	B	**CLASS**	B		
NEMA-NOM-EFF	91	**PF**	89						
RATING	40C AMB-CONT								
CC	010A								
DE	6309	**ODE**	6208						
ENCL	OPSB	**SN**							

AC Induction Motor Performance Data
Record # 13116
Typical performance - not guaranteed values

Winding: 39WGX256-R001	**Type:** 3934M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			25	**Full Load Torque**	37.3 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			58/29	**Breakdown Torque**	122 LB-FT
R.P.M.			3510	**Pull-up Torque**	46.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	59 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	187 A
Service Factor (S.F.)			1.15	**No-load Current**	9.27 A
NEMA Nom. Eff.	91	**Power Factor**	89	**Line-line Res. @ 25ºC**	0.427 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	37°C
S.F. Amps				**Temp. Rise @ S.F. Load**	50°C
				Locked-rotor Power Factor	30
				Rotor inertia	0.868 LB-FT2

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	57	78	86	89	90	90	90
Efficiency	86.8	91	91.6	91.1	90.1	88.7	90.5
Speed	3581	3561	3541	3519	3495	3468	3505
Line amperes	11.82	16.45	22.36	28.85	36	43.9	33.1

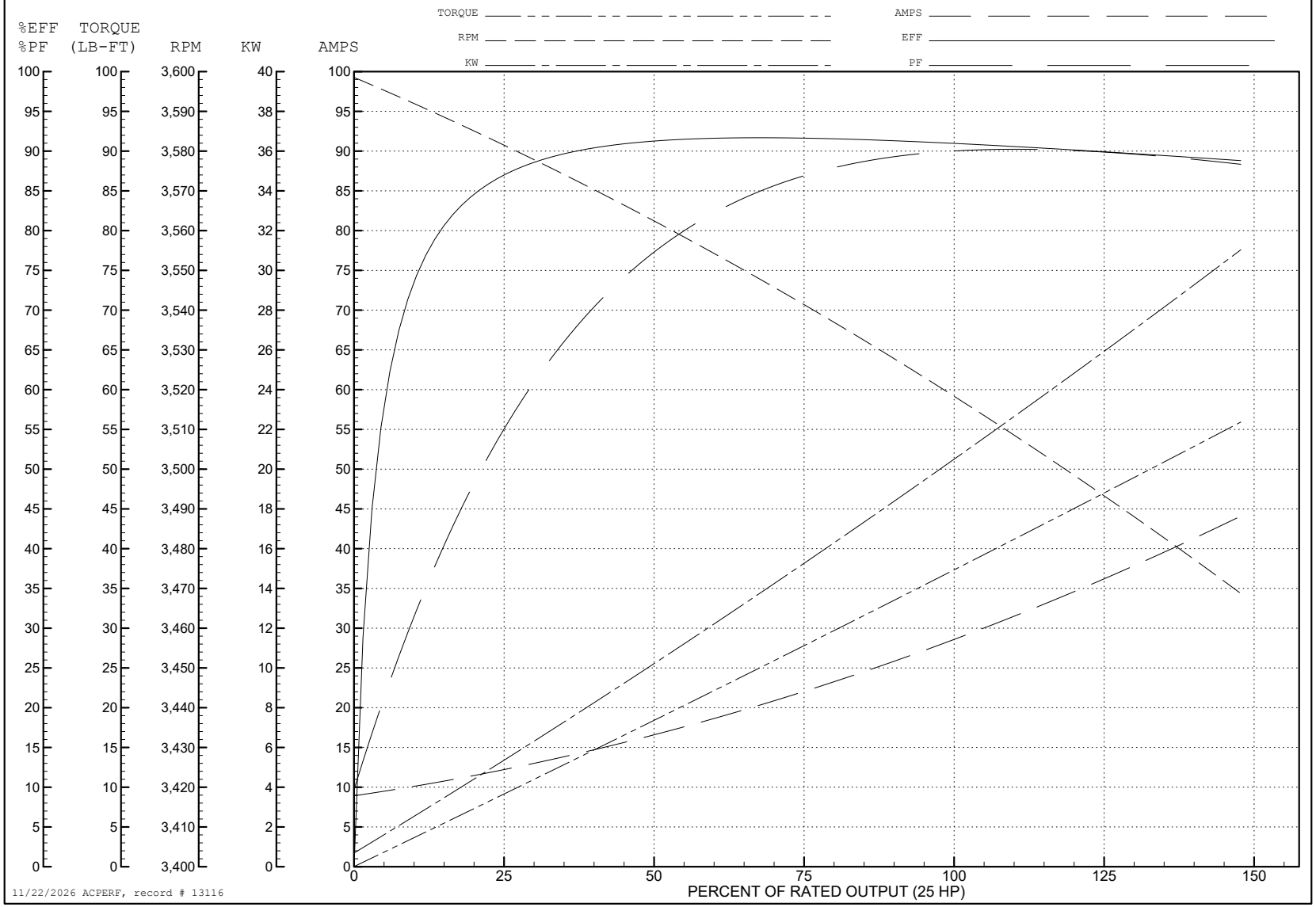
ABB Motors and Mechanical Inc.

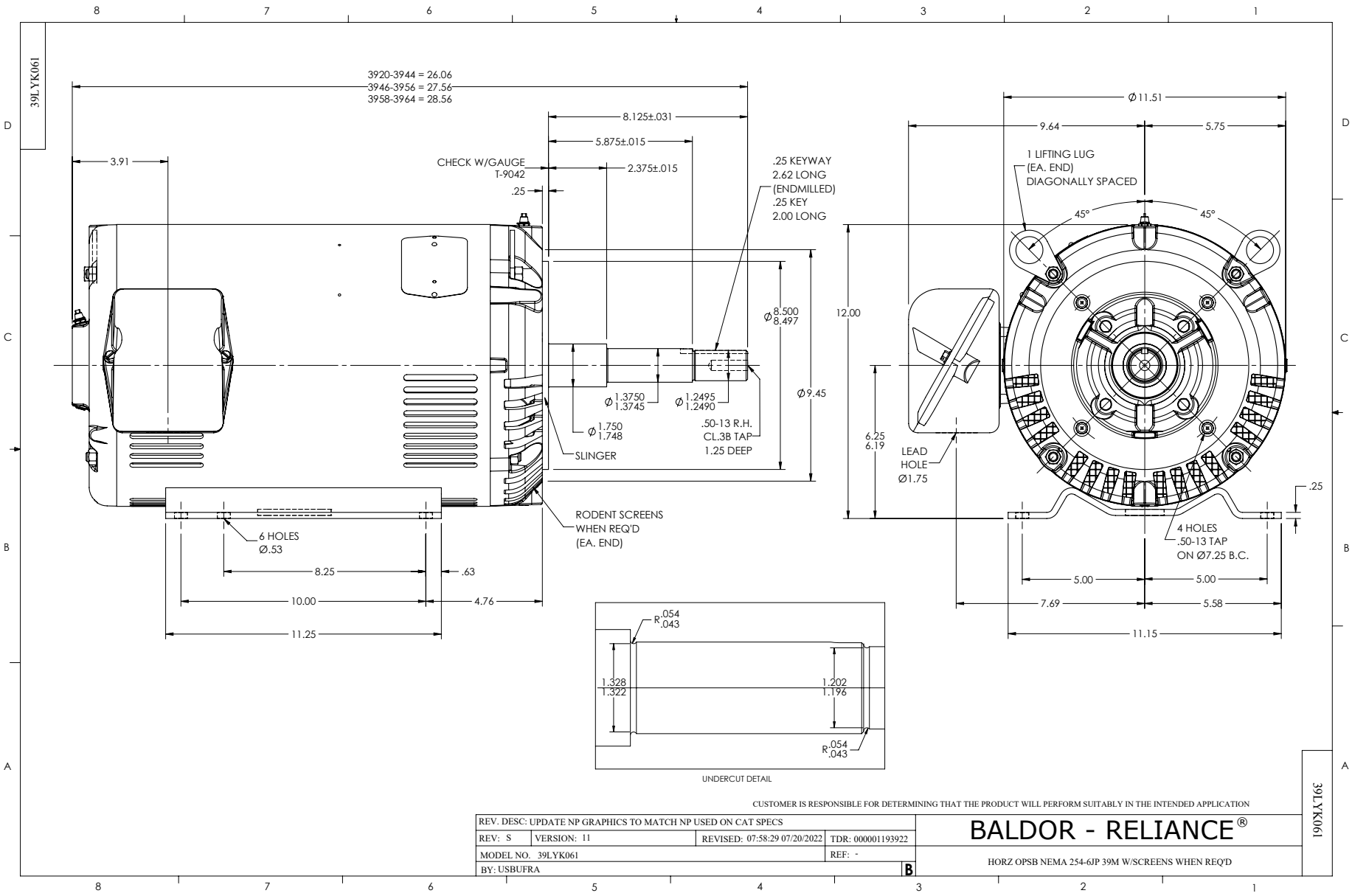
WINDING # 39WGX256

25 HP 3 PH 60 HZ 3510 RPM 460 V 3934M

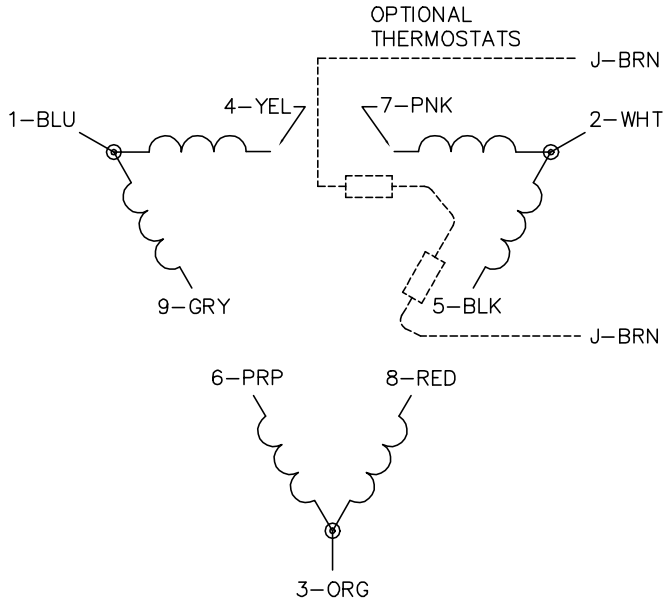
Typical performance - not guaranteed values.

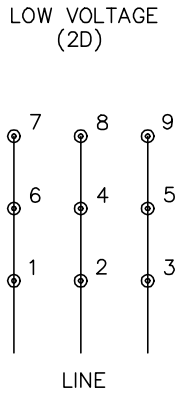
TORQUES(LB-FT): PO=122 PU=46.5 LR=59 LRA=187

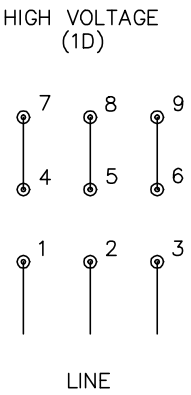



39LYK061
3920-3944 = 26.06
3946-3956 = 27.56
3958-3964 = 28.56
8.125±.031
5.875±.015
2.375±.015
CHECK W/GAUGE T-9042
.25
3.91
.25 KEYWAY
2.62 LONG
(ENDMILLED)
.25 KEY
2.00 LONG
Ø8.500
8.497
Ø9.45
Ø1.3750
1.3745
Ø1.2495
1.2490
Ø1.750
1.748
.50-13 R.H.
CL.3B TAP
1.25 DEEP
SLINGER
RODENT SCREENS
WHEN REQ'D
(EA. END)
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
R.054
.043
1.328
1.322
1.202
1.196
R.054
.043
UNDERCUT DETAIL
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: S
VERSION: 11
REVISED: 07:58:29 07/20/2022
TDR: 000001193922
MODEL NO. 39LYK061
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HORZ OPSB NEMA 254-6JP 39M W/SCREENS WHEN REQ'D
39LYK061

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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