

ABB BALDOR RELIANCE III

Customer information packet

JPM2516T

25HP, 3510RPM, 3PH, 60HZ, 256JP, 3934M, OPSB, F

Class -

Division - Not Applicable

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	
Service Factor (S.F.)		1.15	No-load Current		9.27 A	
NEMA Nom. Eff.		91	Power Factor		89	Line-line Res. @ 25°C
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load	
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

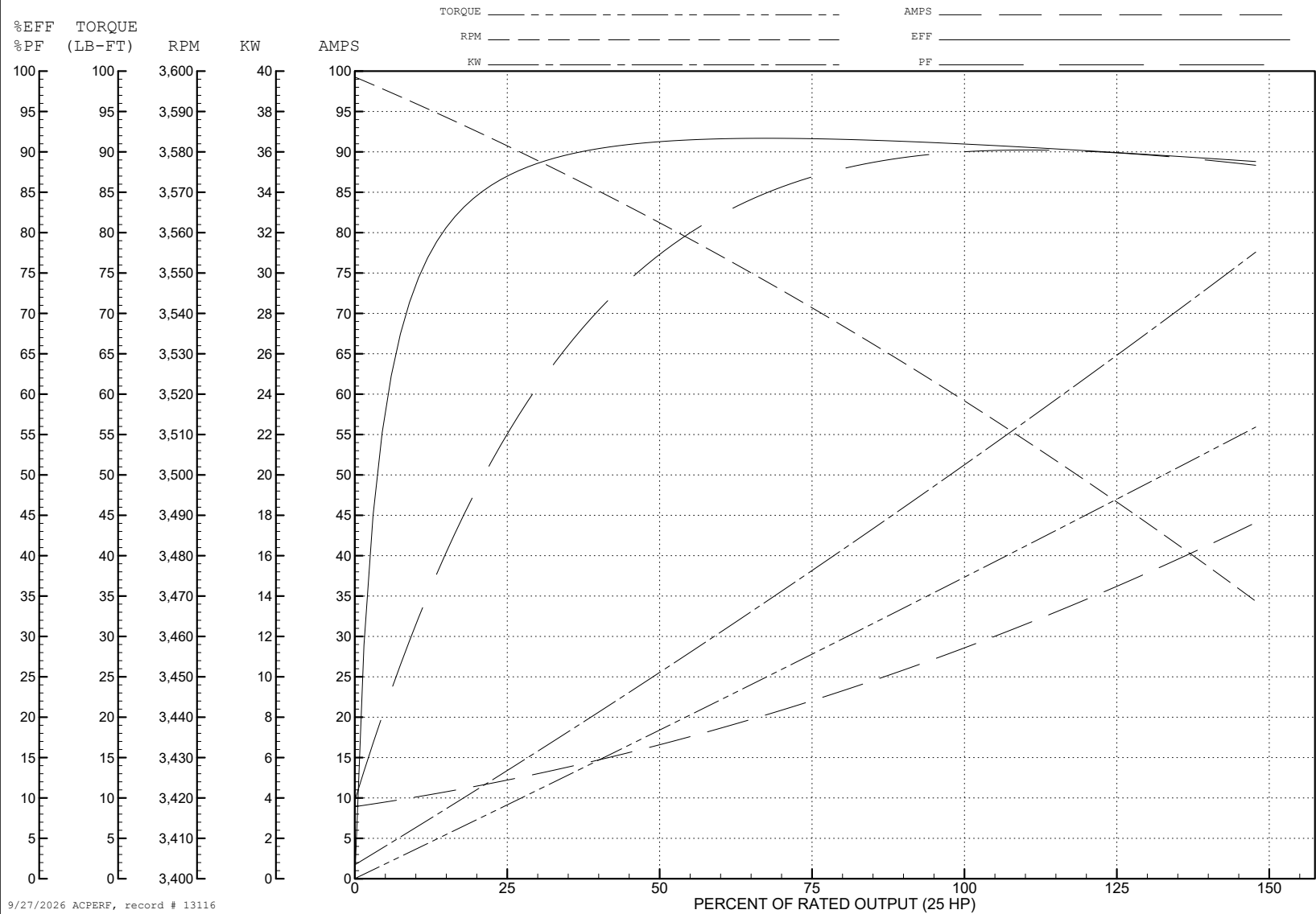
ABB Motors and Mechanical Inc.

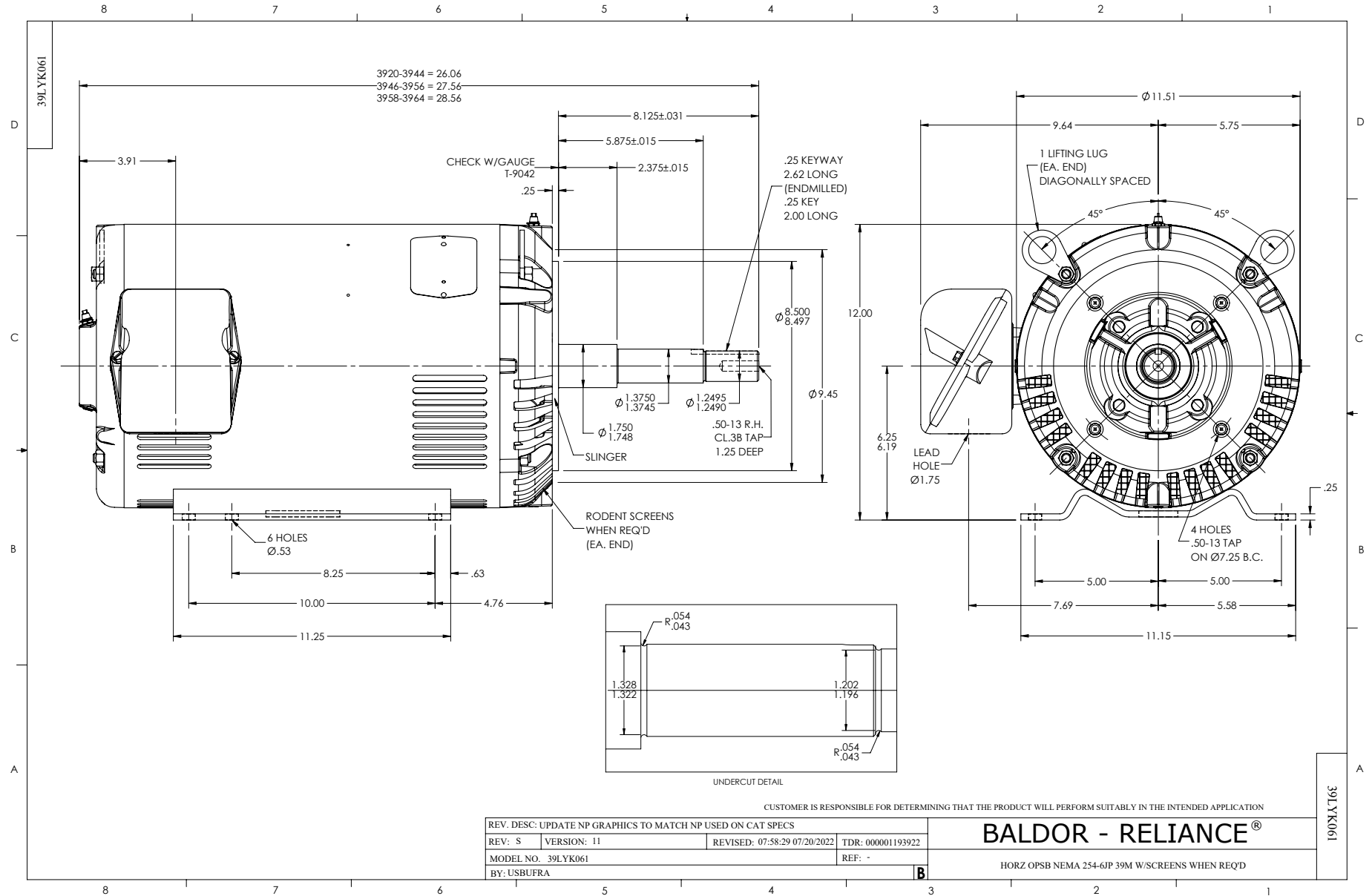
WINDING # 39WGX256

Typical performance - not guaranteed values.

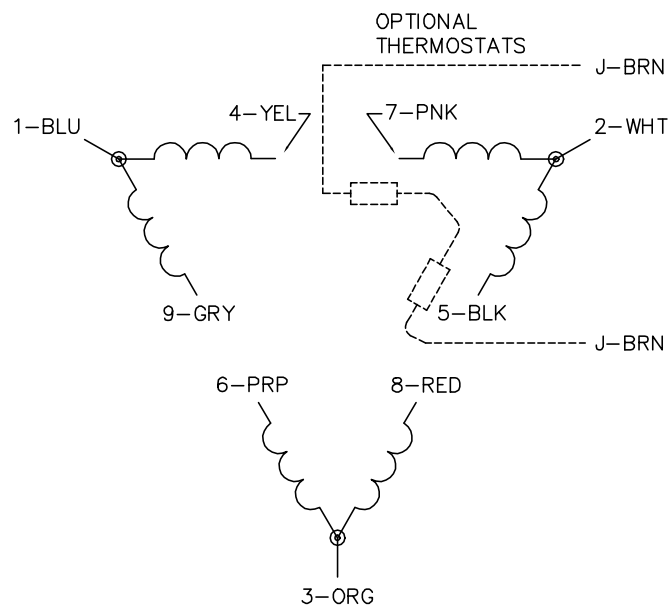
25 HP 3 PH 60 HZ 3510 RPM 460 V 3934M

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

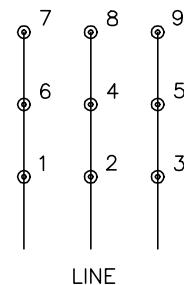




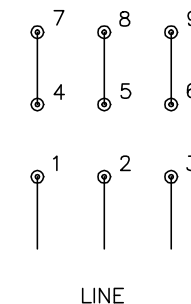
CD0180



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)



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.

REV. DESC: ADD CLASS CONN00000007

REV. LTR: D

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\148

REVISED: 10: 25: 29 02/19/2019

BY: ENBRIRO

MTL: —



BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1

CD0180