

ABB BALDOR RELIANCE III

Customer information packet

VJPFPM2516T-5

25HP, 3520RPM, 3PH, 60HZ, 256JP, 3934M, OPSB, F

Class -

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	256JP
Frame Material	Steel
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	575.0 V @ 60 HZ
Agency Approvals	CSA EEV UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	23.000 A @ 575.0 V
Design Code	B
Drip Cover	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	23.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G

Part Detail

Revision	L
Type	AC
Mech. spec.	39N092
Base	
Status	PRD/A
Elec. spec.	39WGX988
Layout	39LYN092
Eff. date	06-26-2024
CD Diagram	CD0382
Poles	02
Leads	6#10
Proprietary	False
Created date	07-22-2016

Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3934M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	28.07 IN
Power Factor	88
Product Family	Fire Pump Motor
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	1.750 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3520 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3454L													
CAT.NO.	VJPFPM2516T-5				CUST P/N					I.P.	23		
SPEC.	39N092X988H2				SER.NO.					FRAME	256JP		
HZ	60	HP	25		RPM	3520	HZ		HP		RPM		
VOLTS	575			CODE	G		VOLTS				CODE		
AMPS	23			DES	B		AMPS				DES		
EFF	91	SER.F.	1.15		PF	88	EFF			SER.F.		PF	
RATING	40C AMB-CONT				DE BRG	6309		GREASE	POLYREX EM				
BLANK					ODE BRG	6208		MTR. WT.	219				
					CLASS	F	PH	3					
					ENCL	OPSB	CC	010A					
HTR-VOLTS		HTR-AMPS		HTR-WATTS									

AC Induction Motor Performance Data

Record # 58297

Typical performance - not guaranteed values

Winding: 39WGX988-R001			Type: 3934M		Enclosure: OPSB			
Nameplate Data			575 V, 60 Hz: Single Voltage Motor					
Rated Output (HP)		25	Full Load Torque		37.5 LB-FT			
Volts		575	Start Configuration		direct on line			
Full Load Amps		23	Breakdown Torque		111 LB-FT			
R.P.M.		3520	Pull-up Torque		41.2 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		50.7 LB-FT		
NEMA Design Code		B	KVA Code	G	Starting Current		142 A	
Service Factor (S.F.)		1.15	No-load Current		6.92 A			
NEMA Nom. Eff.		91	Power Factor		88	Line-line Res. @ 25°C		0.67 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		40°C		
S.F. Amps				Temp. Rise @ S.F. Load		50°C		
				Locked-rotor Power Factor		29.9		
				Rotor inertia		0.868 LB-FT2		

Load Characteristics 575 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	59	78	86	88	89	89	89
Efficiency	90.1	92.7	92.4	91.5	90.3	88.8	90.8
Speed	3584	3565	3543	3520	3493	3463	3504
Line amperes	9.05	12.9	17.9	23.3	29.4	35.9	27

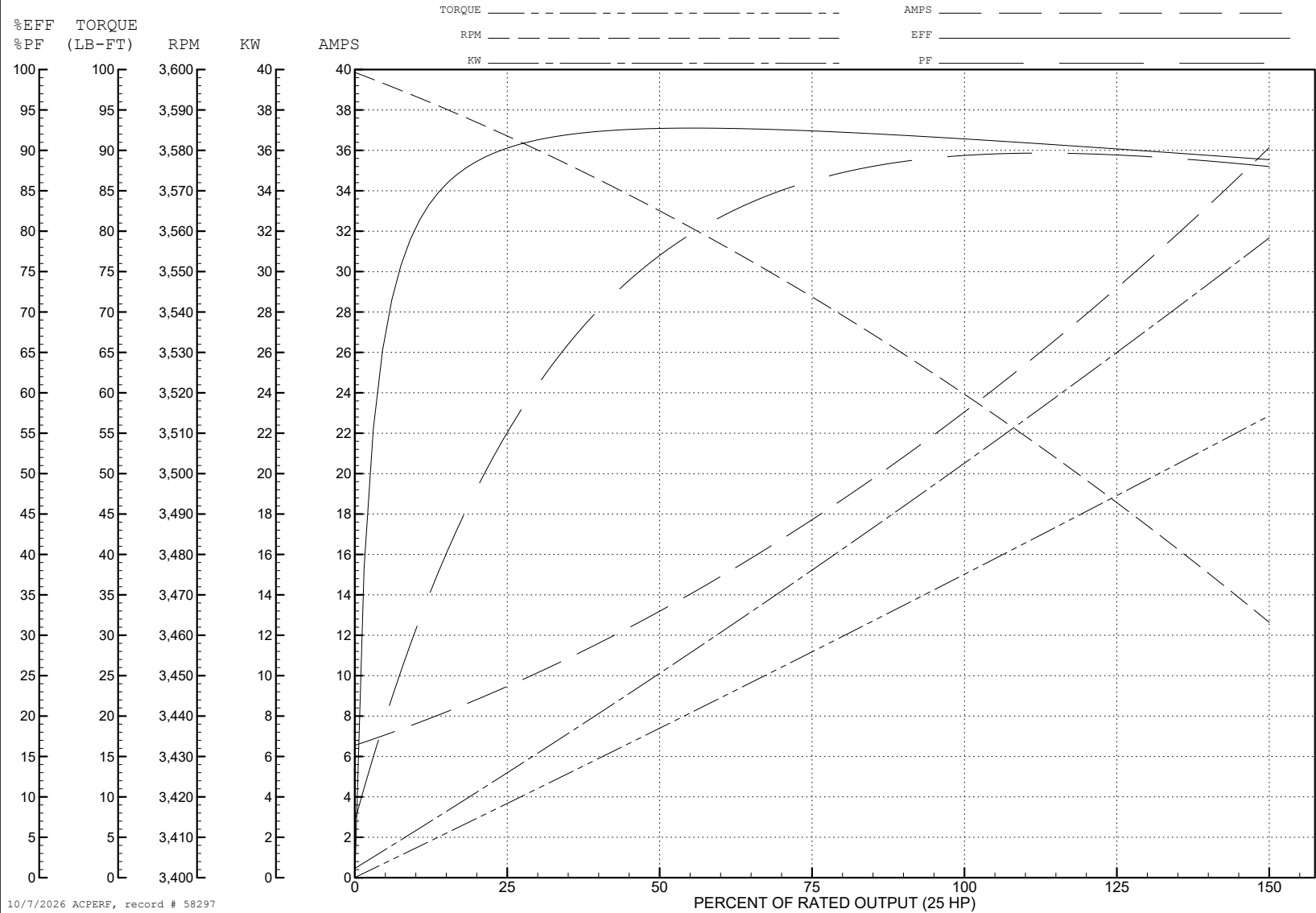
ABB Motors and Mechanical Inc.

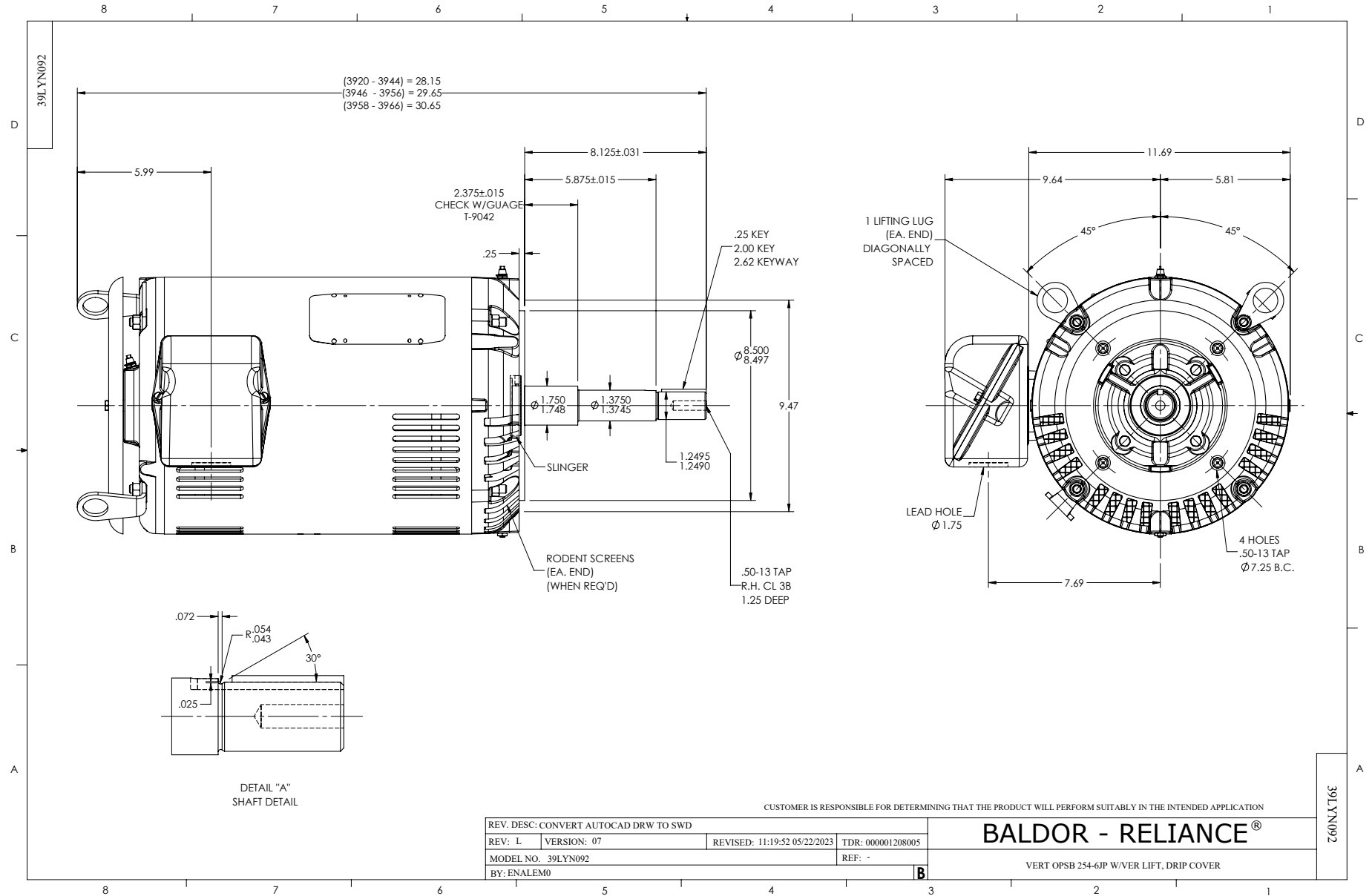
WINDING # 39WGX988

Typical performance - not guaranteed values.

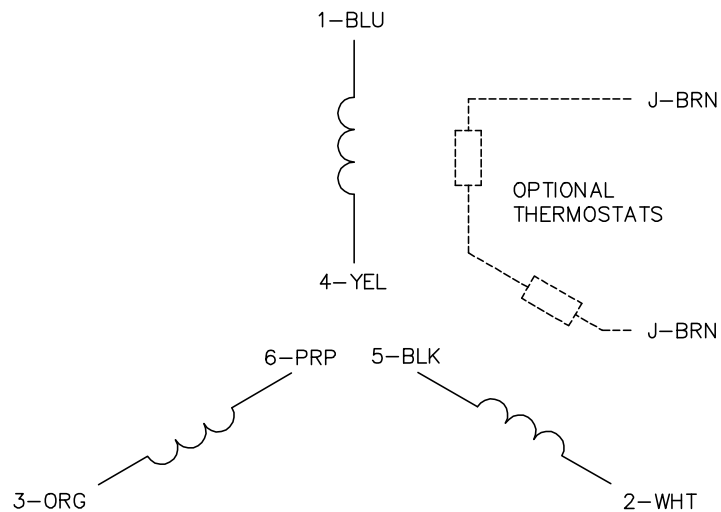
25 HP 3 PH 60 HZ 3520 RPM 575 V 3934M

TORQUES (LB-FT): PO=111 PU=41.2 LR=50.7 LRA=142

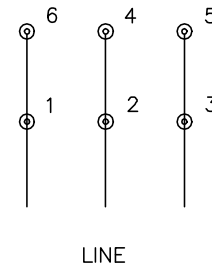




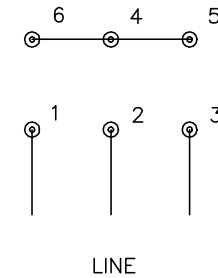
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**RUN CONNECTION
(1D)**



**START CONNECTION
(1Y)**



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.
5. FOR ACROSS-THE-LINE STARTING, USE 'RUN' CONNECTION.

REV. DESC: ADD CLASS CONN00000007

REV. LTR: F

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\243

REVISED: 09:05:32 02/19/2019

BY: ENBRIRO

MTL: -



BALDOR - RELIANCE®

3PH, SV, 6 LEADS, Y START/D RUN

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