ABB BALDOR RELIANCE

Customer information packet

EMM3559

2.2KW, 3450RPM, 3PH, 60HZ, D90L, 3532M, TEFC, B
Class - None
Division - Not Applicable

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11/18/2026 7:23:10 AM

Specifications

Enclosure	TEFC
Frame	D90L
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	2.200 KW @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA EEV
	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	3.600 A @ 460.0 V
	7.200 A @ 230.0 V
	7.900 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D

Part Detail

Revision	L
Type	AC
Mech. spec.	35Q920
Base	
Status	PRD/A
Elec. spec.	35WGQ060
Layout	35LYQ920
Eff. date	01-05-2026
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	09-16-2013

Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.6 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3532M
Mounting Arrangement	B3
Number of Poles	2
Overall Length	13.87 IN
Power Factor	92
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.945 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 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

NP3386L							
CAT.NO.	EMM3559						
SPEC.	35Q920Q060G1						
IEC FRAME	D90S,L	**KW**	2.2				
VOLTS	230/460						
AMP	7.2/3.6						
RPM	3450	**ENCL**	TEFC				
HZ	60	**PH**	3	**CL**	F		
SER.F.	1.15	**DES**	B	**CODE**	L		
NEMA-NOM-EFF	86.5	**I.P.**	44				
RATING	40C AMB-CONT						
CC	010A	**USABLE AT 208V**	N/A				
DE	6205	**ODE**	6203				
SER. #							

AC Induction Motor Performance Data
Record # 61529
Typical performance - not guaranteed values

Winding: 35WGQ060-R022	**Type:** 3532M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (KW)			2.2	**Full Load Torque**	4.61 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			7.2/3.6	**Breakdown Torque**	19.9 LB-FT
R.P.M.			3450	**Pull-up Torque**	11.9 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	18.8 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	33.1 A
Service Factor (S.F.)			1.15	**No-load Current**	1.17 A
NEMA Nom. Eff.	86.5	**Power Factor**	92	**Line-line Res. @ 25ºC**	4.7916 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	57°C
S.F. Amps				**Temp. Rise @ S.F. Load**	72°C

Load Characteristics 460 V, 60 Hz, 2.2 KW

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	62	81	88	92	93	94	93
Efficiency	83.7	87.9	88.2	87.2	85.6	83.5	86.2
Speed	3562.2	3530.9	3497.8	3462.5	3420.8	3375.4	3437
Line amperes	1.5	2.08	2.79	3.57	4.46	5.44	4.1

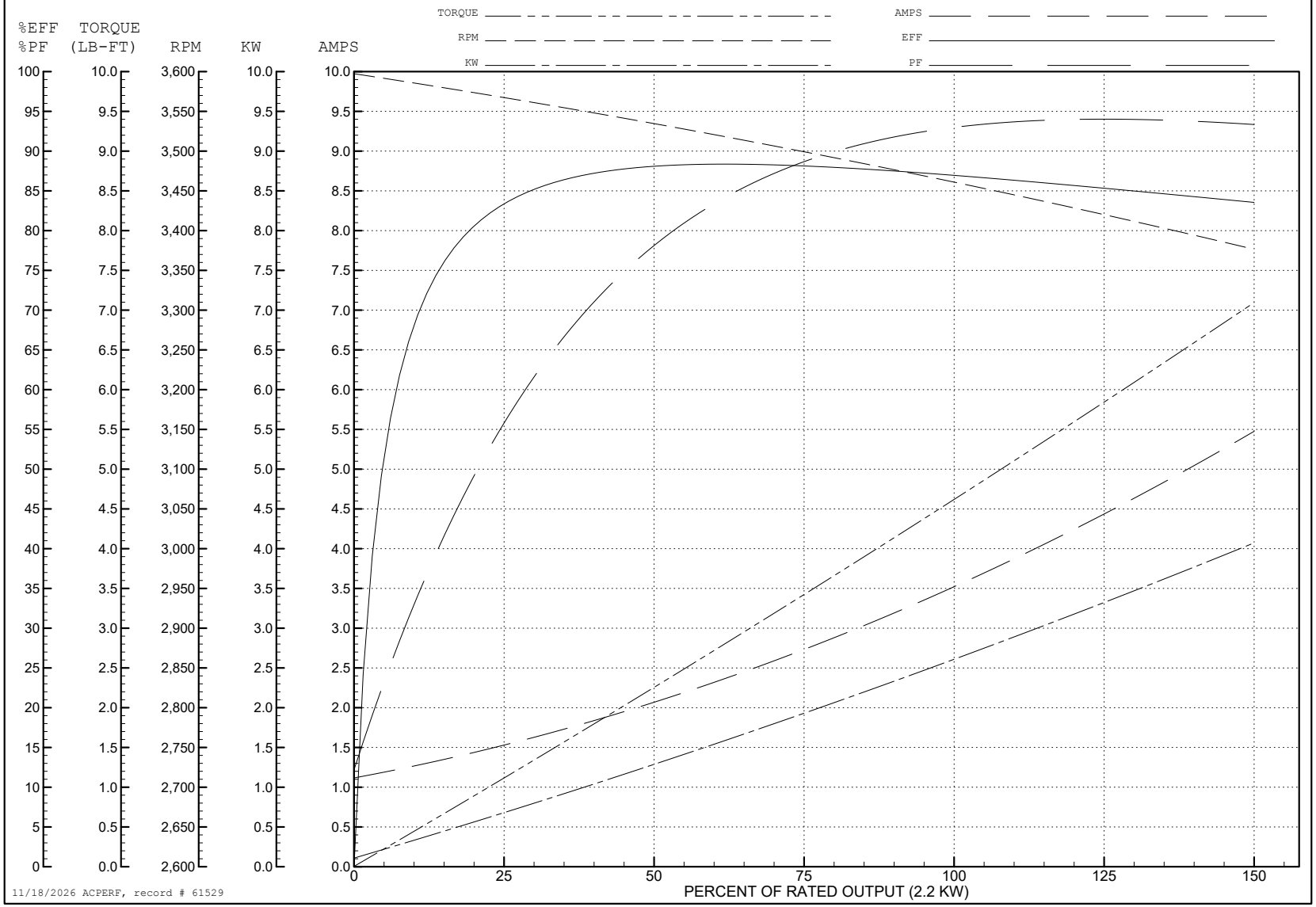
ABB Motors and Mechanical Inc.

WINDING # 35WGQ060

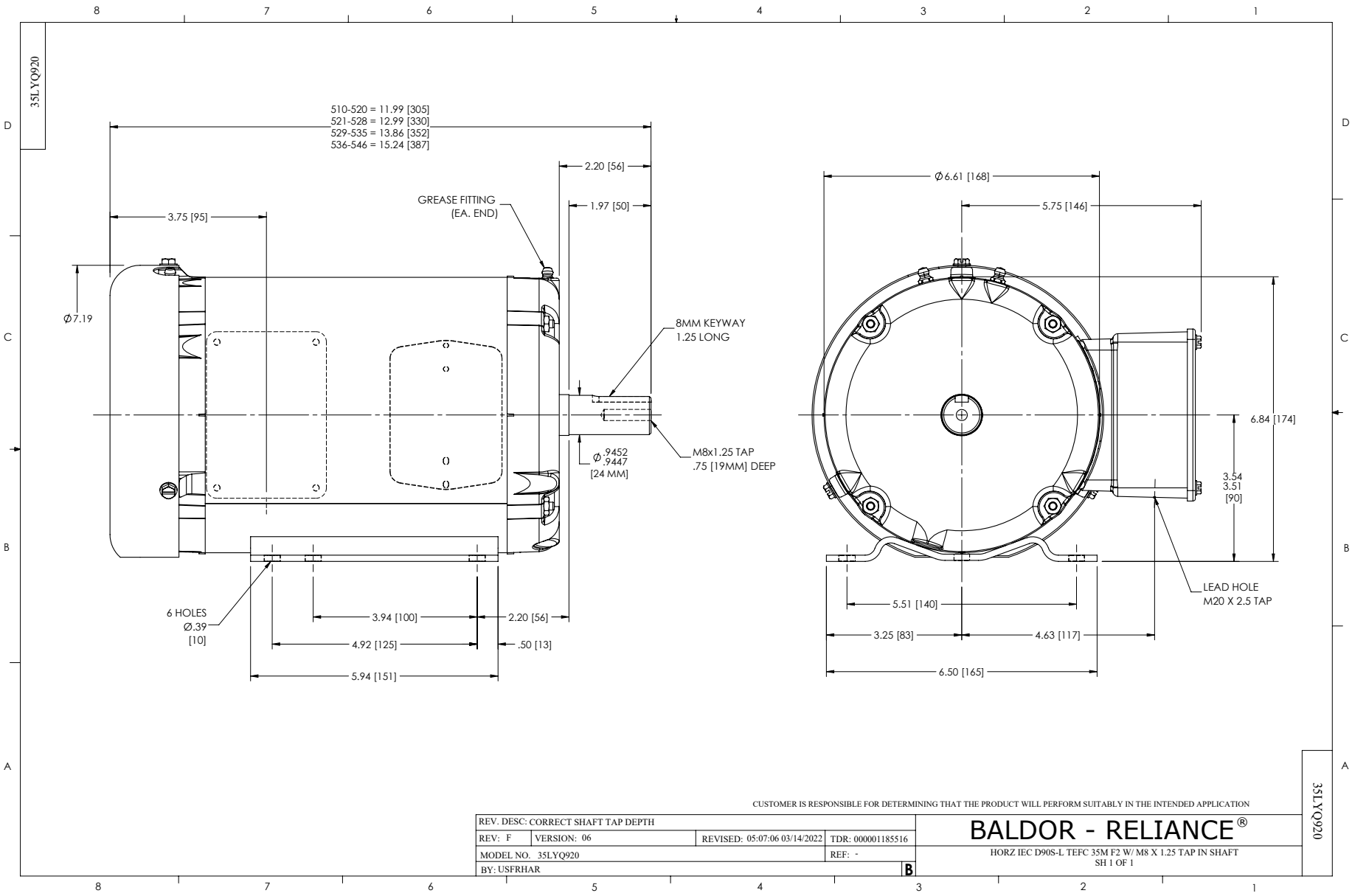
2.2 KW 3 PH 60 HZ 3450 RPM 460 V 3532M

Typical performance - not guaranteed values.

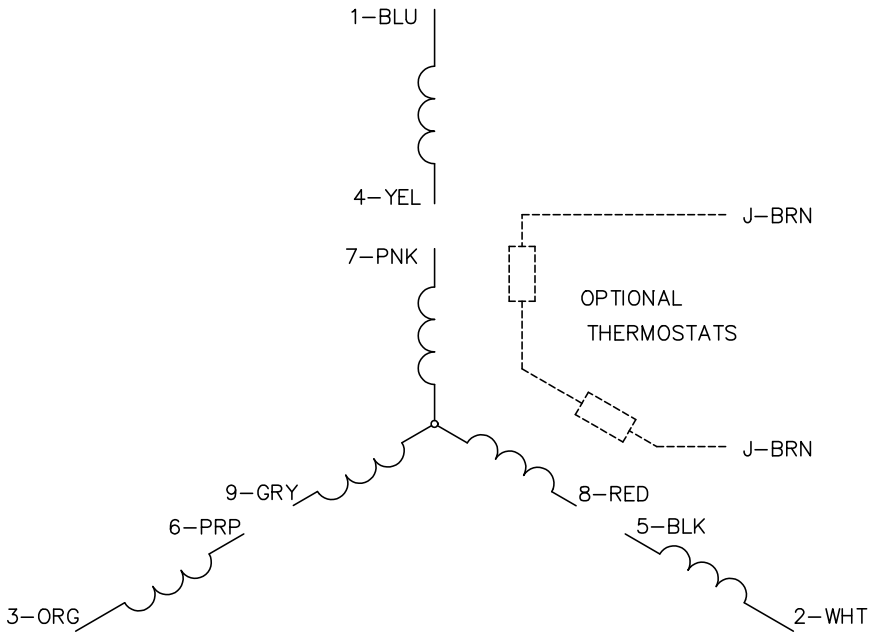
TORQUES(LB-FT): PO=19.9 PU=11.9 LR=18.8 LRA=33.1

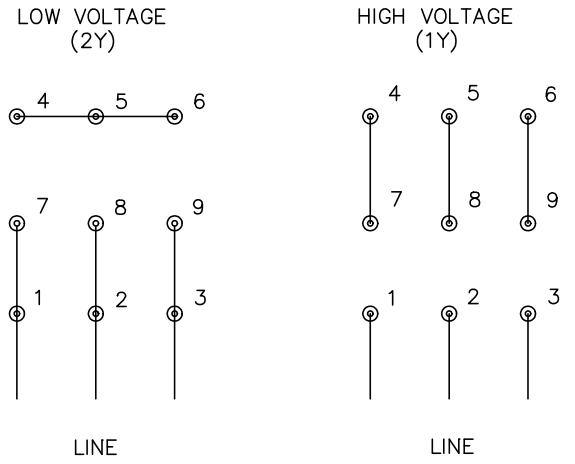


11/18/2026 ACPERF, record # 61529


35LYQ920
510-520 = 11.99 [305]
521-528 = 12.99 [330]
529-535 = 13.86 [352]
536-546 = 15.24 [387]
2.20 [56]
1.97 [50]
GREASE FITTING
(EA. END)
3.75 [95]
Ø7.19
8MM KEYWAY
1.25 LONG
M8x1.25 TAP
.75 [19MM] DEEP
Ø .9452
.9447
[24 MM]
6 HOLES
Ø.39
[10]
3.94 [100]
2.20 [56]
4.92 [125]
.50 [13]
5.94 [151]
Ø6.61 [168]
5.75 [146]
6.84 [174]
3.54
3.51
[90]
LEAD HOLE
M20 X 2.5 TAP
5.51 [140]
3.25 [83]
4.63 [117]
6.50 [165]
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CORRECT SHAFT TAP DEPTH
REV: F
VERSION: 06
REVISED: 05:07:06 03/14/2022
TDR: 000001185516
MODEL NO. 35LYQ920
REF: -
BY: USFRHAR
B
BALDOR - RELIANCE®
HORZ IEC D90S-L TEFC 35M F2 W/ M8 X 1.25 TAP IN SHAFT
SH 1 OF 1
35LYQ920

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS