ABB BALDOR RELIANCE

Customer information packet

EMVM3558C

1.5KW, 1750RPM, 3PH, 60HZ, D90LC, 3526M, TEFC
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	D90LC
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	1.500 KW @ 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
	NEMA PREMIUM
	NEMA PREMIUM (OLD LOGO)
	UR
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	5.800 A @ 208.0 V
	5.200 A @ 230.0 V
	2.600 A @ 460.0 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

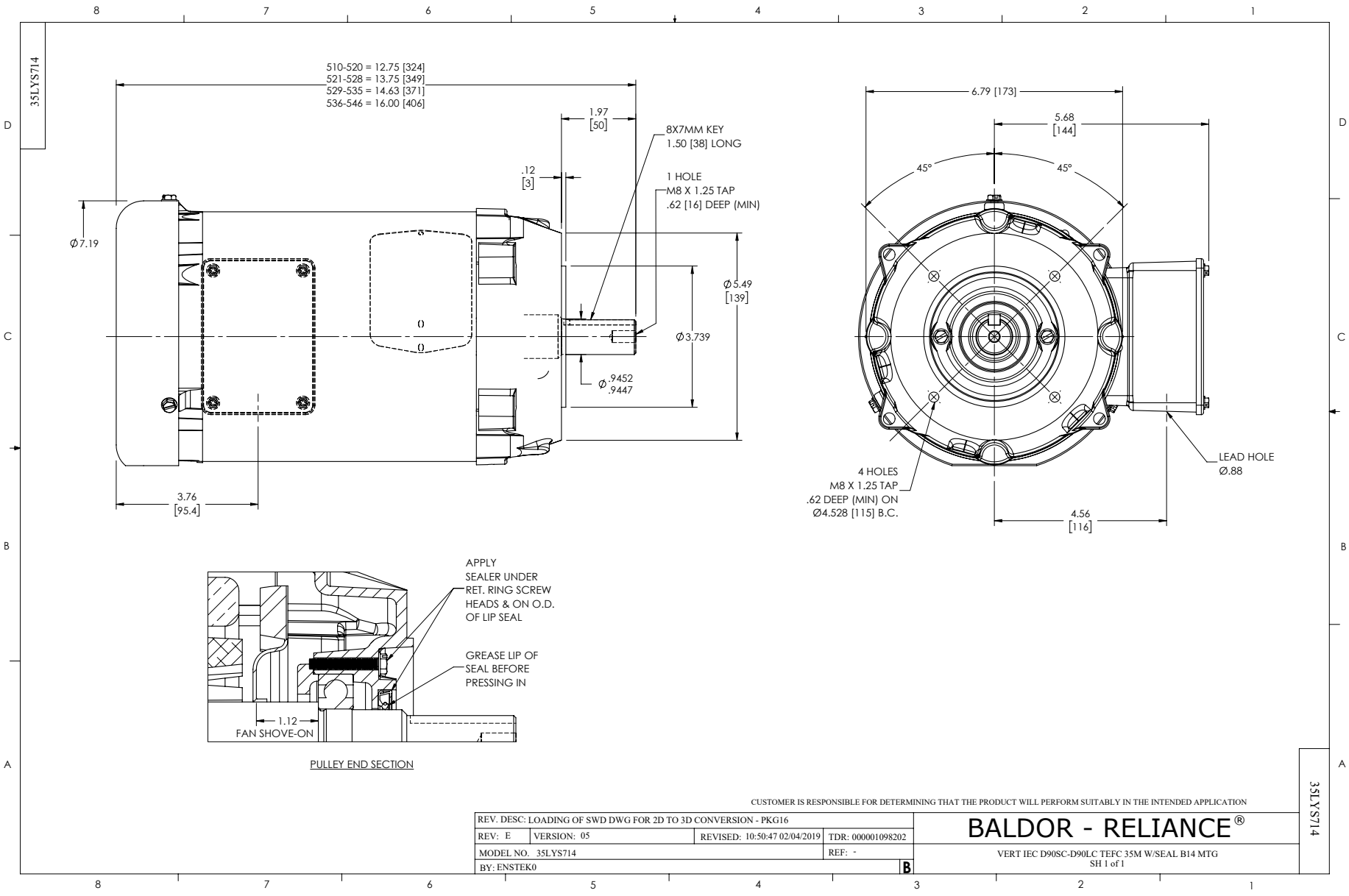
Part Detail

Revision	-
Type	AC
Mech. spec.	35S714
Base	
Status	PRD/A
Elec. spec.	35WGZ165
Layout	35LYS714
Eff. date	02-19-2026
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	11-06-2025

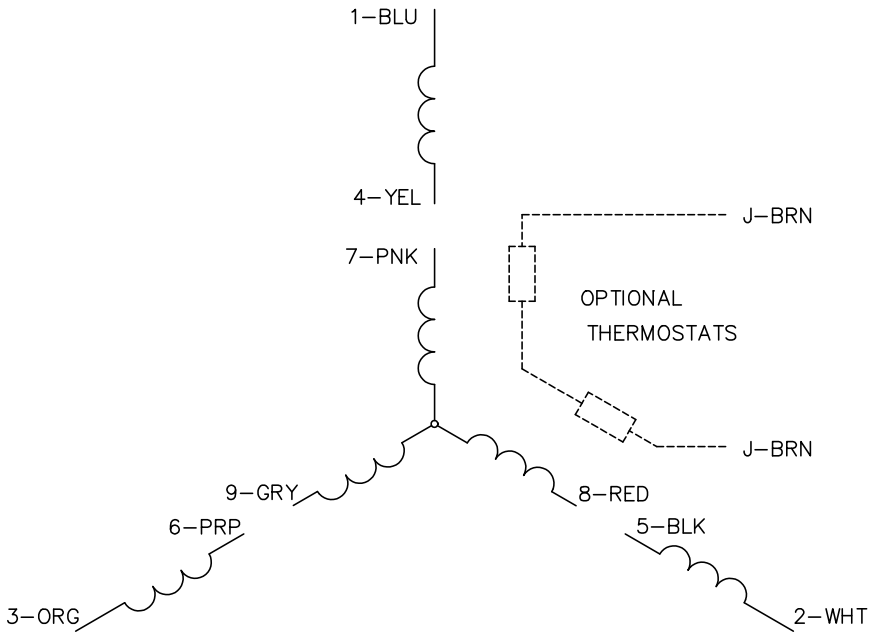
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.6 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3526M
Mounting Arrangement	B14
Number of Poles	4
Overall Length	13.75 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.945 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1750 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

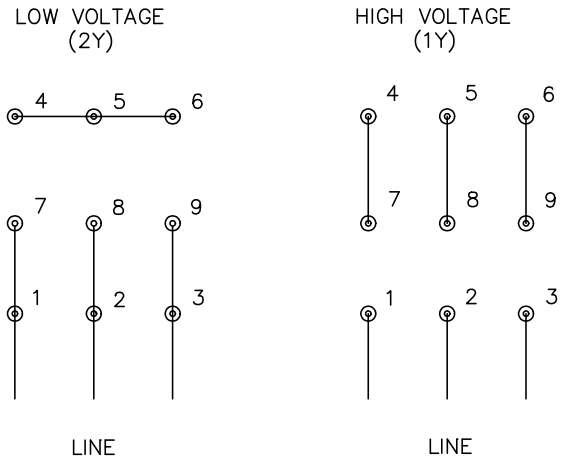
Nameplate

NP2672L							
CAT.NO.	EMVM3558C						
SPEC.	35S714Z165						
IEC FRAME	D90LC	**KW**	1.5				
VOLTS	230/460						
AMP	5.6/2.8						
RPM	1760	**ENCL**	TEFC				
HZ	60	**PH**	3	**CL**	F		
SER.F.	1.15	**DES**	B	**CODE**	K		
NEMA-NOM-EFF	86.5	**I.P.**	54				
RATING	40C AMB-CONT						
CC	010A	**USABLE AT 208V**	N/A				
DE	6206	**ODE**	6203				
SER. #	SFA 6.3/3.15						


35LYS714
510-520 = 12.75 [324]
521-528 = 13.75 [349]
529-535 = 14.63 [371]
536-546 = 16.00 [406]
1.97 [50]
8X7MM KEY
1.50 [38] LONG
.12 [3]
1 HOLE
M8 X 1.25 TAP
.62 [16] DEEP (MIN)
Ø7.19
Ø5.49 [139]
Ø3.739
Ø .9452 .9447
3.76 [95.4]
6.79 [173]
5.68 [144]
45°
45°
4 HOLES
M8 X 1.25 TAP
.62 DEEP (MIN) ON
Ø4.528 [115] B.C.
LEAD HOLE
Ø.88
4.56 [116]
APPLY SEALER UNDER RET. RING SCREW HEADS & ON O.D. OF LIP SEAL
GREASE LIP OF SEAL BEFORE PRESSING IN
1.12
FAN SHOVE-ON
PULLEY END SECTION
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF SWD DWG FOR 2D TO 3D CONVERSION - PKG16
REV: E VERSION: 05 REVISED: 10:50:47 02/04/2019 TDR: 000001098202
MODEL NO. 35LYS714 REF: -
BY: ENSTEK0 B
BALDOR - RELIANCE®
VERT IEC D90SC-D90LC TEFC 35M W/SEAL B14 MTG
SH 1 of 1
35LYS714

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