ABB BALDOR RELIANCE

Customer information packet

WDNMM3546-4

.75KW, 1700RPM, 3PH, 60HZ, D80, 3436M, TENV, B3
Class - None
Division - Not Applicable

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Specifications

Enclosure	TENV
Frame	D80
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	.750 KW @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR
	CSA
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	1.500 A @ 460.0 V
Design Code	D
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.5 a
Insulation Class	F

Part Detail

Revision	Q
Type	AC
Mech. spec.	34M821
Base	
Status	PRD/A
Elec. spec.	34WGR446
Layout	34LYM821
Eff. date	12-01-2025
CD Diagram	CD0006
Poles	04
Leads	3#18 Y
Proprietary	False
Created date	05-18-2016

Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3436M
Mounting Arrangement	B3
Number of Poles	4
Overall Length	12.00 IN
Power Factor	79
Product Family	Wash Down
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.748 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1700 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

NP1575L							
CAT.NO.	WDNMM3546-4						
SPEC.	34M821R446G1						
IEC FRAME	D80	**K.W.**	.75 TE				
VOLTS	460						
AMP	1.5						
RPM	1700	**I.P.**					
HZ	60	**PH**	3	**CL**	F		
SER.F.	1.00	**DES**	D	**CODE**	K		
NEMA-NOM-EFF	75.5	**PF**	79				
RATING	40C AMB-CONT						
CC		**USABLE AT 208V**	N/A				
DE	6205	**ODE**	6203				
SER. #							

AC Induction Motor Performance Data
Record # 58192
Typical performance - not guaranteed values

Winding: 34WGR446-R001	**Type:** 3436M	**Enclosure:** TENV

Nameplate Data				**460 V, 60 Hz: Single Voltage Motor**	
Rated Output (KW)			.75	**Full Load Torque**	3.098 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			1.5	**Breakdown Torque**	9.71 LB-FT
R.P.M.			1700	**Pull-up Torque**	8.32 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	12.83 LB-FT
NEMA Design Code	D	**KVA Code**	K	**Starting Current**	10.99 A
Service Factor (S.F.)			1	**No-load Current**	0.902 A
NEMA Nom. Eff.	75.5	**Power Factor**	79	**Line-line Res. @ 25ºC**	14.1 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	105°C
				Locked-rotor Power Factor	50
				Rotor inertia	0.0857 LB-FT2

Load Characteristics 460 V, 60 Hz, 0.75 KW

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	42	61	73	79	85	88
Efficiency	58.7	71.4	74.4	76.8	72.5	68.9
Speed	1773	1748	1721	1693	1651	1601
Line amperes	0.946	1.1	1.3	1.537	1.9	2.33

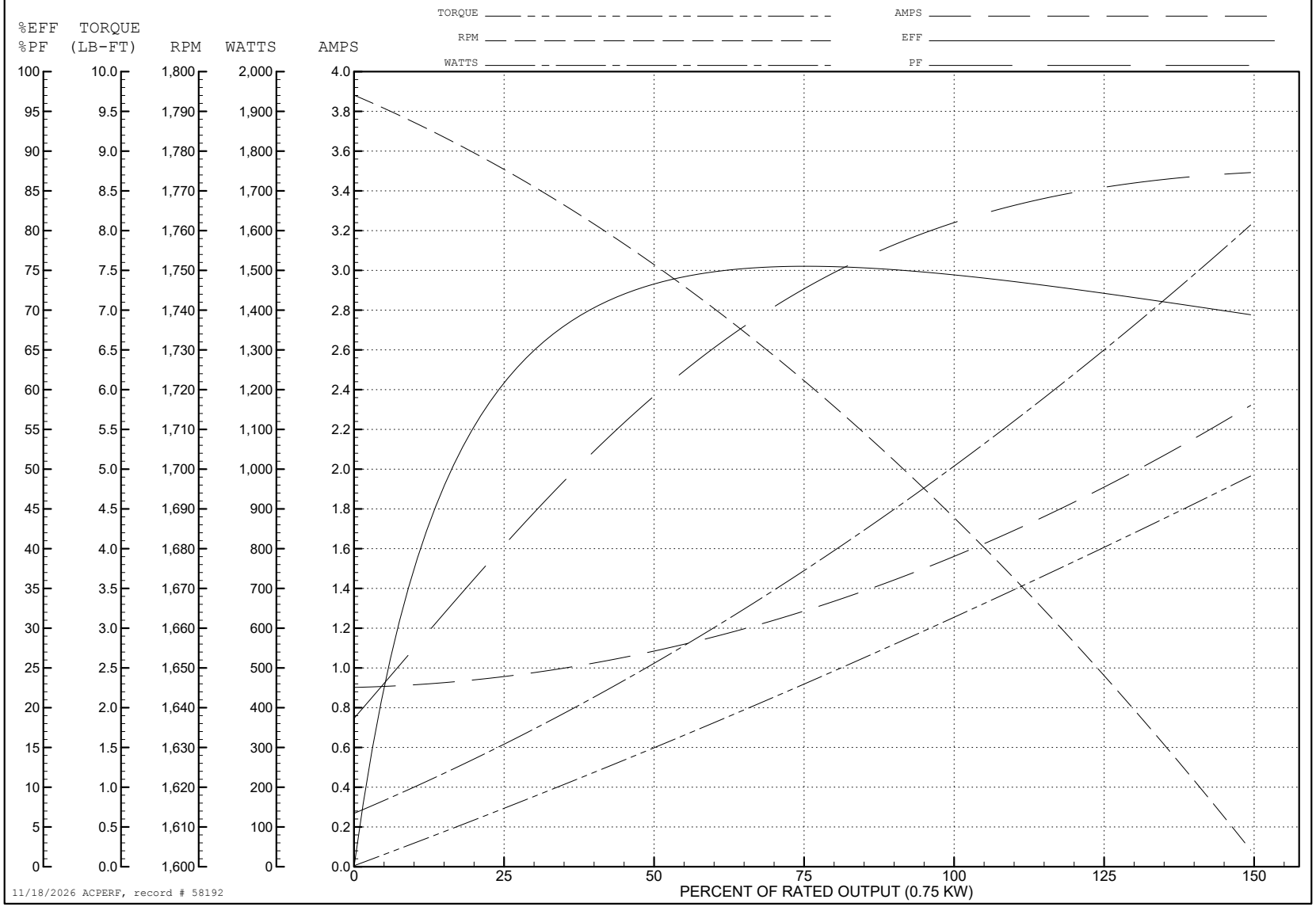
ABB Motors and Mechanical Inc.

WINDING # 34WGR446

0.75 KW 3 PH 60 HZ 1700 RPM 460 V 3436M

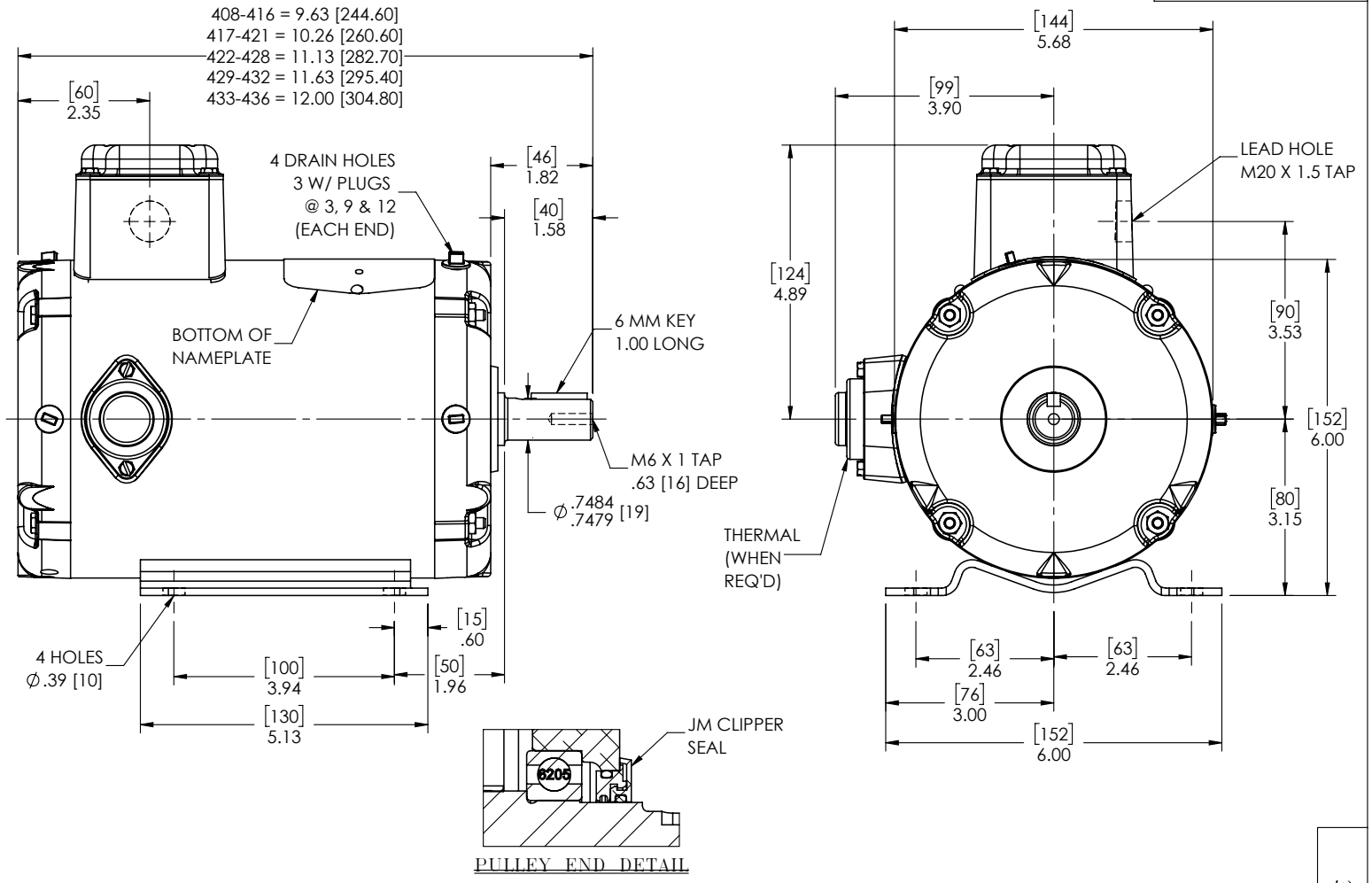
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=9.71 PU=8.32 LR=12.83 LRA=10.99



11/18/2026 ACPERF, record # 58192

34LYM821



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: LOAD TO SOLIDWORKS - REV C			
REV: D	VERSION: 04	REVISED: 10:01:08 05/01/2023	TDR: 000001201165
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	BY: ENFRAJ0		

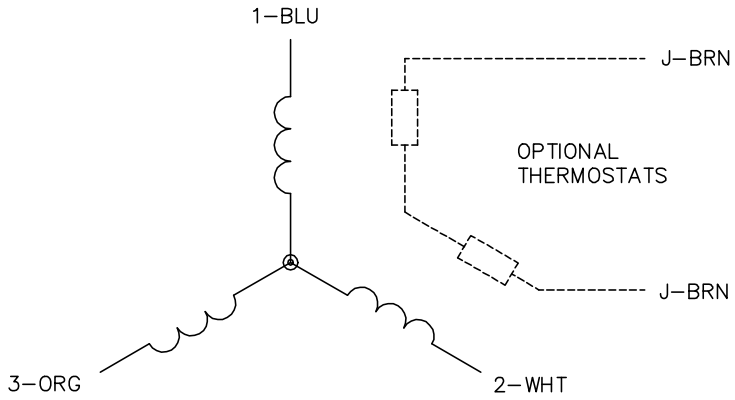
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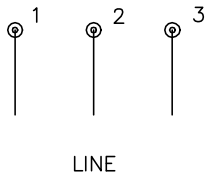
HORZ 34M IEC D80 TENV, KOBX @ 12, WD S/P9, M6 X 1 TAP

34LYM821

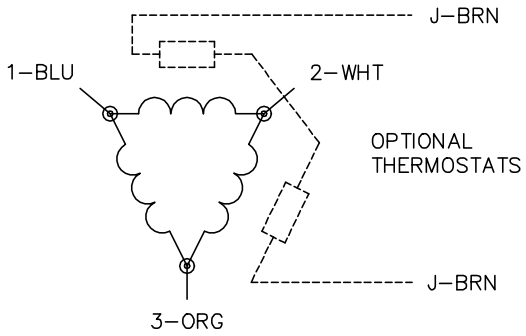
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
MTL: –		

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3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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