ABB BALDOR RELIANCE

Customer information packet

AOM3546T

1HP, 1725RPM, 3PH, 60HZ, 143T, 3428M, TEAO, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	143T
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	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
	208.0 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	3.800 A @ 208.0 V
	3.600 A @ 230.0 V
	1.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	Z
Type	AC
Mech. spec.	34T061
Base	
Status	PRD/A
Elec. spec.	34WG3254
Layout	34LYT061
Eff. date	10-28-2024
CD Diagram	CD0005
Poles	04
Leads	9#18 36" LG Y
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	1.8 a
Insulation Class	B
Inverter Code	Not Inverter
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	NEMA
Motor Type	3428M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.81 IN
Power Factor	64
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 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.	AOM3546T								
SPEC.	34T61-3254								
HP	1 AIR OVER								
VOLTS	208-230/460								
AMP	3.8-3.6/1.8								
RPM	1725								
FRAME	143T	**HZ**	60			**PH**	3		
SER.F.	1.00	**CODE**	L	**DES**	B	**CLASS**	B		
NEMA-NOM-EFF	75.5	**PF**	64						
RATING	40C AMB-CONT								
CC									
DE	6205	**ODE**	6203						
ENCL	TEAO	**SN**							
	1000 FPM AT 44 CFM								

Accessories

Part number	Description	Multiplier
34-3903T	C FACE KIT	A8

AC Induction Motor Performance Data
Record # 30736
Typical performance - not guaranteed values

Winding: 34WG3254-R014	**Type:** 3428M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1	**Full Load Torque**	3 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			3.8-3.6/1.8	**Breakdown Torque**	14.6 LB-FT
R.P.M.			1725	**Pull-up Torque**	12.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	15.8 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	14.6 A
Service Factor (S.F.)			1	**No-load Current**	1.3 A
NEMA Nom. Eff.	75.5	**Power Factor**	64	**Line-line Res. @ 25ºC**	12.3 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	66°C
				Locked-rotor Power Factor	54
				Rotor inertia	0.0667 LB-FT2

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	31	46	57	66	72	76
Efficiency	57.8	70.5	76	77.3	78.6	76.5
Speed	1786	1773	1760	1747	1734	1716
Line amperes	1.35	1.47	1.63	1.84	2.06	2.38

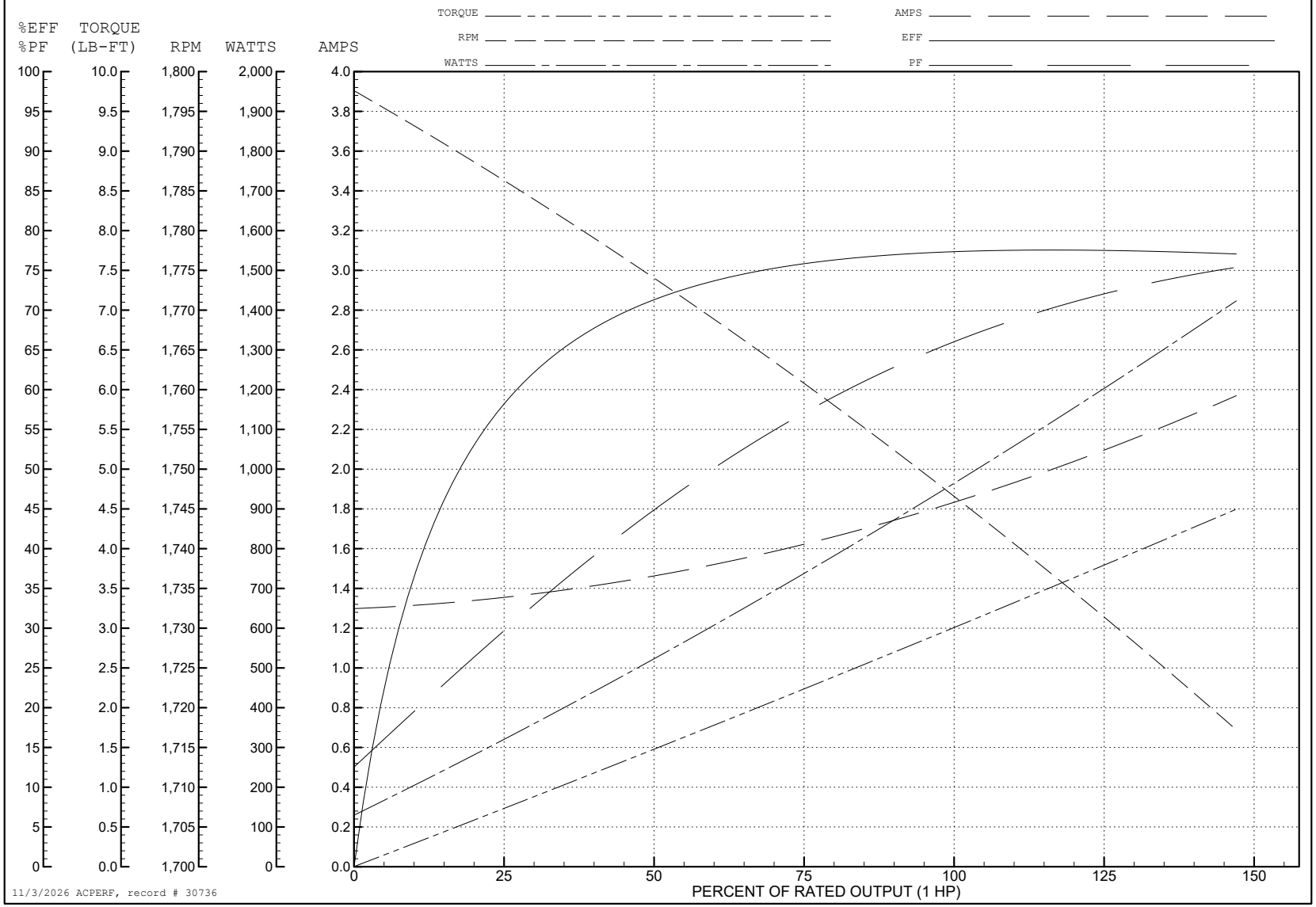
ABB Motors and Mechanical Inc.

WINDING # 34WG3254

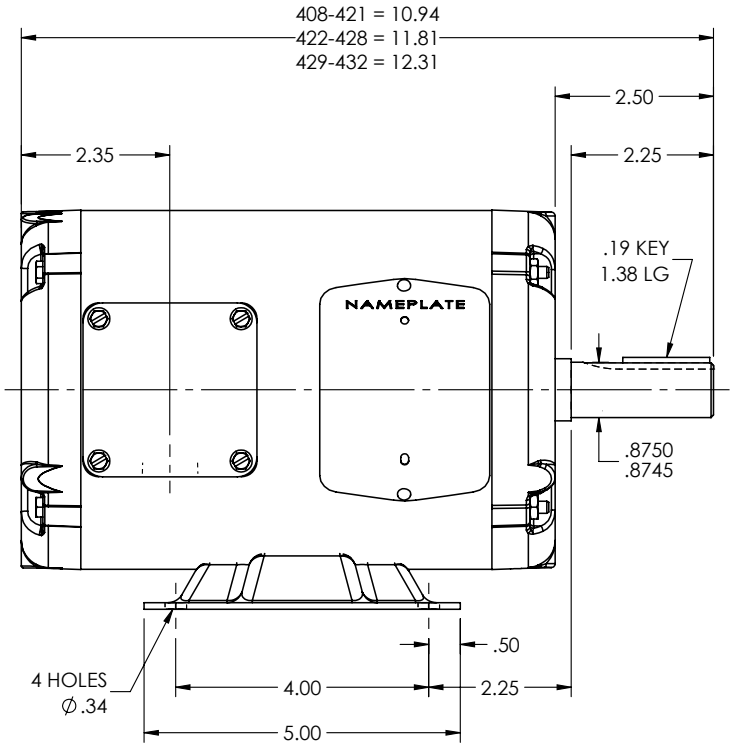
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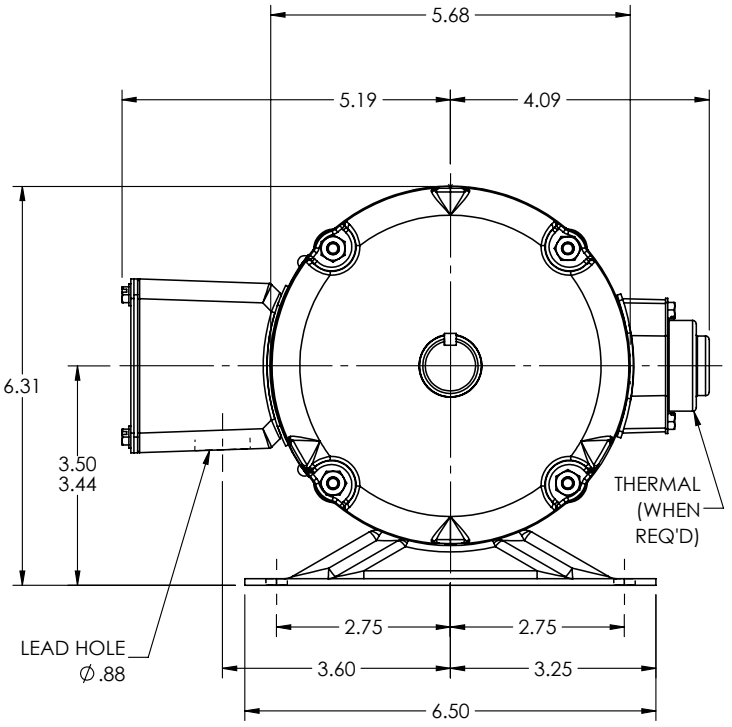
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=14.6 PU=12.5 LR=15.8 LRA=14.6



34LYT061





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

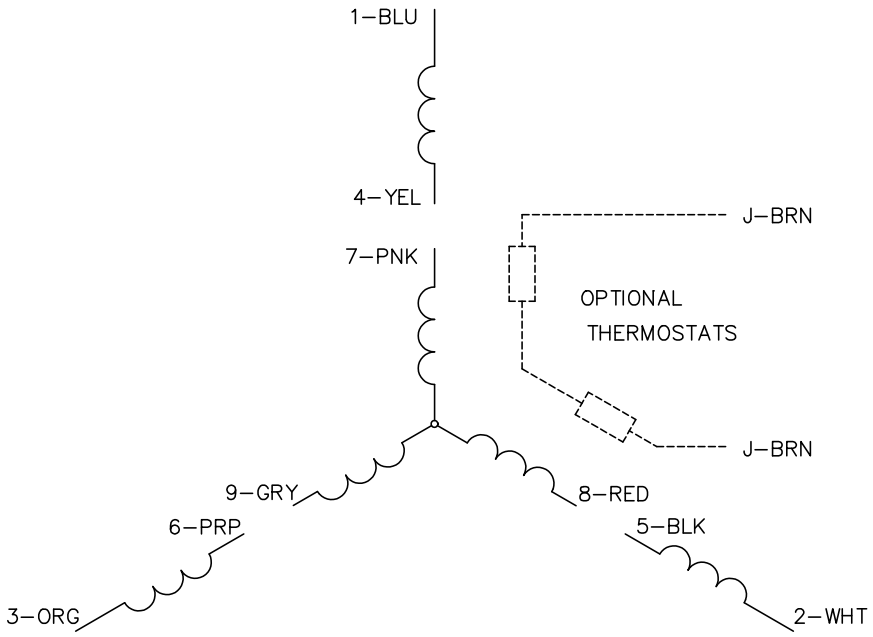
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REV: F	VERSION: 04	REVISED: 07:36:52 06/16/2025	TDR: 000001258156
34LYT061	MODEL NO. 34LYT061		REF: -
	BY: ENJEFD0		

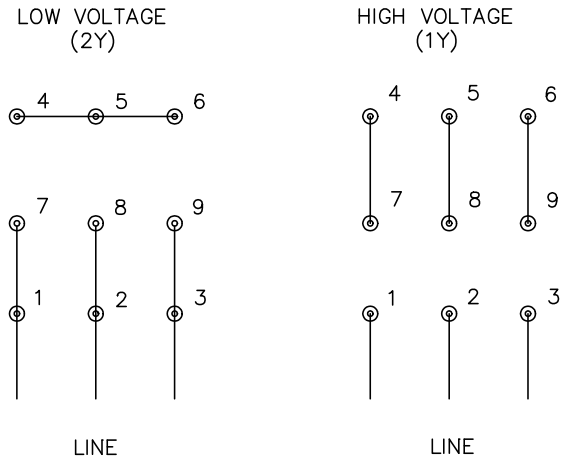
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STD HORZ MODEL 34M NEMA 143T TENV

34LYT061

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