



Customer information packet

M1505T

1.5/.75HP, 1750/870RPM, 3PH, 60HZ, 145T, 3534

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	145T
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 HP @ 60 HZ .750 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 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	4.250 A @ 230.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.3 a
Insulation Class	H
Inverter Code	Not Inverter
KVA Code	F

Part detail

Revision	E
Type	AC
Mech. spec.	35AA001
Base	
Status	PRD/A
Elec. spec.	35WGG368
Layout	35LYAA001
Eff. date	10-28-2025
CD Diagram	CD0011
Poles	04/08
Leads	6#18
Proprietary	False
Created date	02-23-2023

Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3534M
Mounting Arrangement	F1
Number of Poles	4 8
Overall Length	14.19 IN
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 Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1750 rpm 870 rpm
Speed Code	2S-1W-CT
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.	M1505T								
SPEC.	35AA001G368G1								
HP	1.5/.75								
VOLTS	230								
AMP	4.25/5.7								
RPM	1750/870								
FRAME	145T		HZ	60		PH	3		
SER.F.	1.15	CODE	F	DES	-	CLASS	H		
NEMA-NOM-EFF		PF							
RATING	40C AMB-CONT								
CC									
DE	6205		ODE	6203					
ENCL	TEFC	SN							
	SFA 4.75/5.8								

Accessories

Part number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 87904

Typical performance - not guaranteed values

Winding: 35WGG368-R001			Type: 3534M		Enclosure: TEFC			
Nameplate Data			230 V, 60 Hz: High Speed Connection					
Rated Output (HP)		1.5/.75	Full Load Torque		4.47 LB-FT			
Volts		230	Start Configuration		direct on line			
Full Load Amps		4.25/6.1	Breakdown Torque		13.32 LB-FT			
R.P.M.		1750/870	Pull-up Torque		7.22 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		7.92 LB-FT		
NEMA Design Code		-	KVA Code	F	Starting Current		26.72 A	
Service Factor (S.F.)		1.15	No-load Current		2.14 A			
NEMA Nom. Eff.		0	Power Factor		0	Line-line Res. @ 25°C		4.83 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		49°C	
S.F. Amps					Temp. Rise @ S.F. Load		60°C	
					Locked-rotor Power Factor		76	
					Rotor inertia		0.245 lb-ft²	

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	62	76	81	86	89	84
Efficiency	78.5	83.8	83.3	81	77.9	75.2	79.1
Speed	1789	1778	1764	1749	1731	1714	1738
Line amperes	2.27	2.78	3.37	4.25	5.09	5.96	4.75

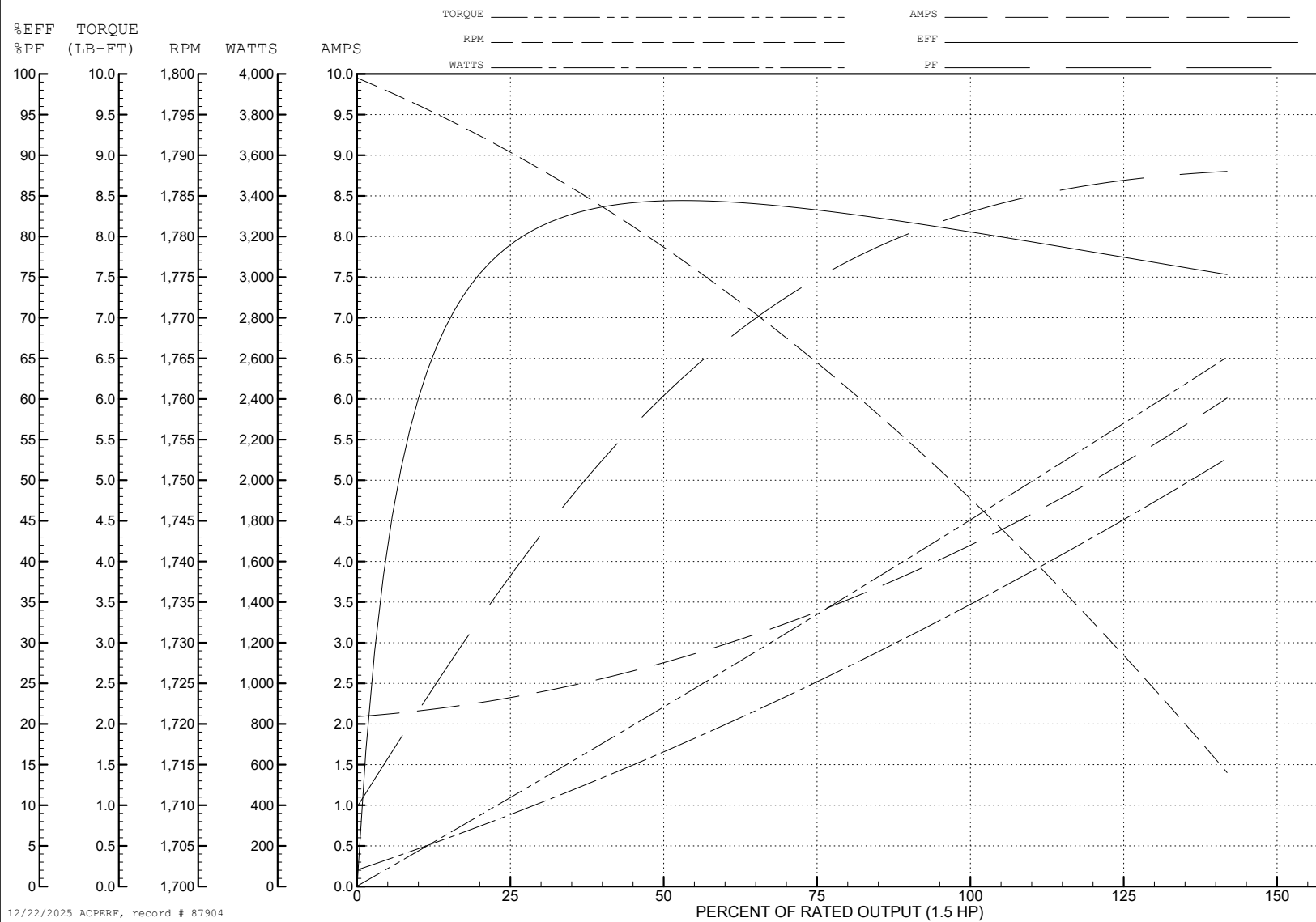
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WINDING # 35WGG368

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1749 RPM 230 V 3534M

TORQUES (LB-FT): PO=13.32 PU=7.22 LR=7.92 LRA=26.72



AC Induction Motor Performance Data

Record # 87905

Typical performance - not guaranteed values

Winding: 35WGG368-R001			Type: 3534M		Enclosure: TEFC			
Nameplate Data			230 V, 60 Hz: Low Speed Connection					
Rated Output (HP)		1.5/.75	Full Load Torque		4.49 LB-FT			
Volts		230	Start Configuration		direct on line			
Full Load Amps		4.25/6.1	Breakdown Torque		19.8 LB-FT			
R.P.M.		1750/870	Pull-up Torque		11.61 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		13.3 LB-FT		
NEMA Design Code		-	KVA Code	F	Starting Current		20.5 A	
Service Factor (S.F.)		1.15	No-load Current		5.62 A			
NEMA Nom. Eff.		0	Power Factor		0	Line-line Res. @ 25°C		6.59 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load				
				Locked-rotor Power Factor		76		
				Rotor inertia		0.245 lb-ft²		

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	23	29	36	42	48	54	46
Efficiency	27.7	42.9	52.3	58.2	62.1	64.5	60.5
Speed	894.6	889.9	884.9	879.5	873.8	867.6	876
Line amperes	5.59	5.6	5.64	5.73	5.87	6.06	5.81

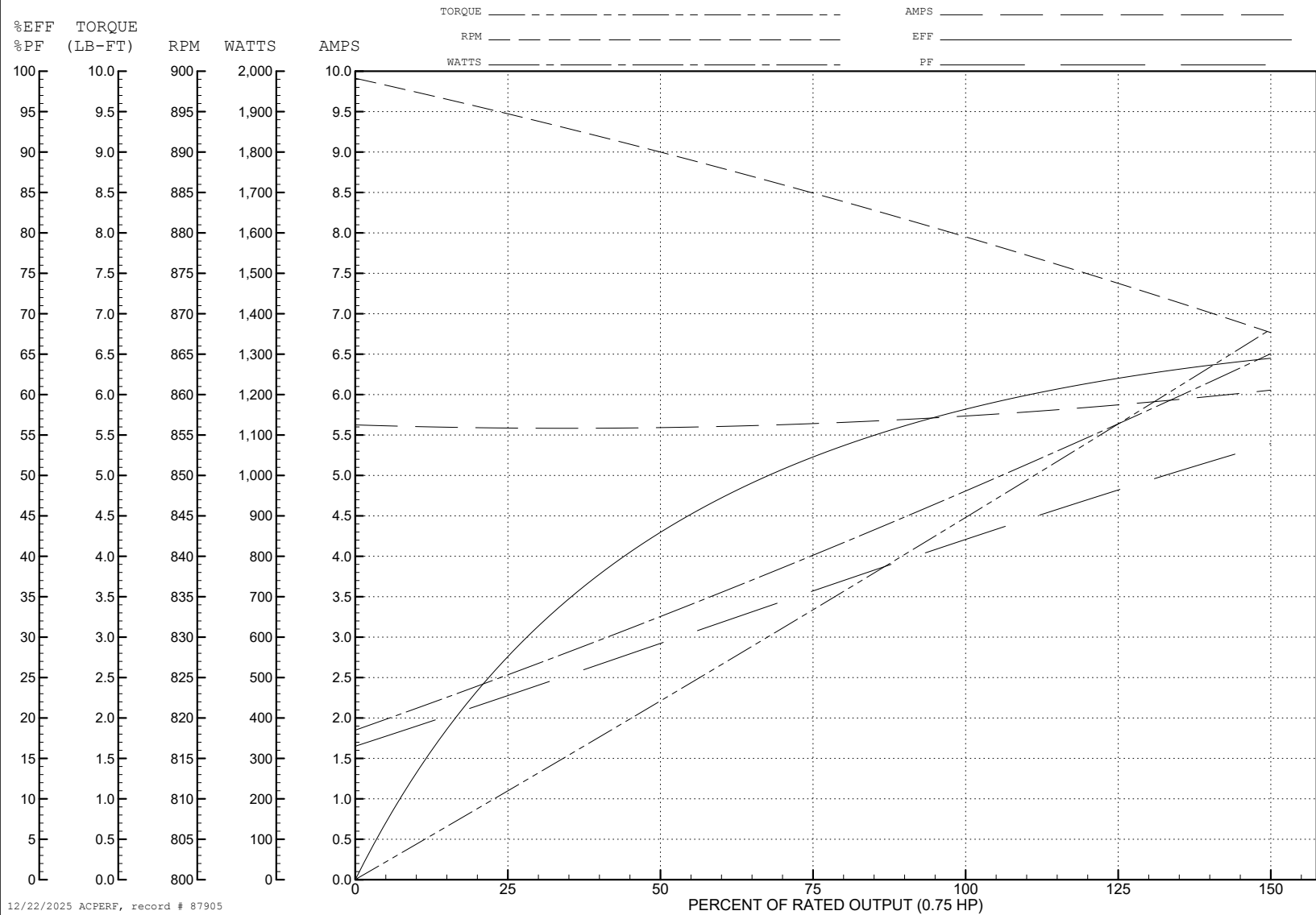
ABB Motors and Mechanical Inc.

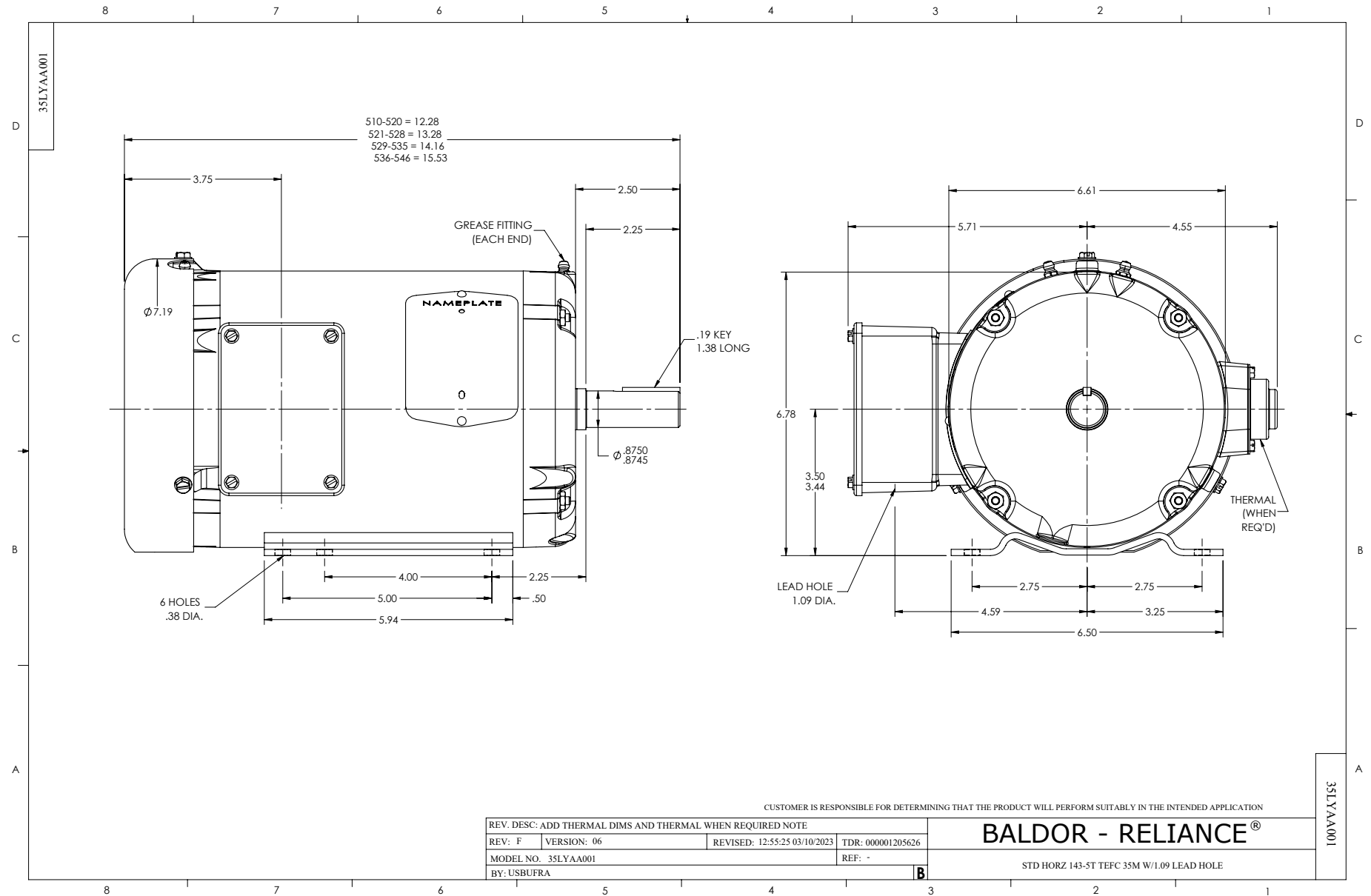
WINDING # 35WGG368

Typical performance - not guaranteed values.

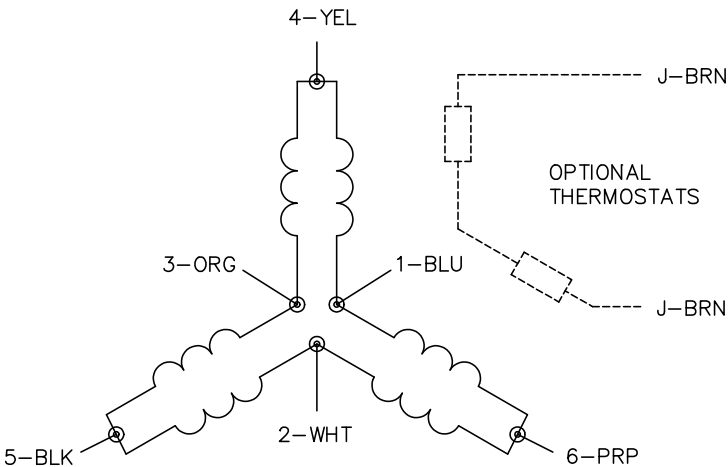
0.75 HP 3 PH 60 HZ 879.5 RPM 230 V 3534M

TORQUES (LB-FT): PO=19.8 PU=11.61 LR=13.3 LRA=20.5

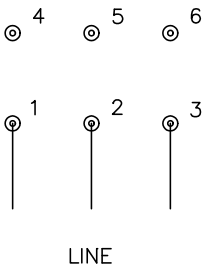




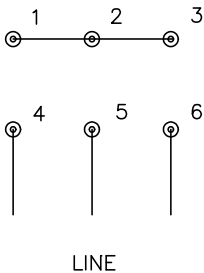
CD0011



LOW SPEED
(1D)



HIGH SPEED
(2Y)



- 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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: F	BY: JLP	REVISED: 01/21/99 5:04	TDR: 0171435
110000		FILE: DWG\142.wg	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, 2-SPEED 1-WINDING CONSTANT TORQUE

CD0011