

ABB BALDOR RELIANCE III

Customer information packet

M1555T

1.5/.38HP, 1735-865RPM, 3PH, 60HZ, 145T, 3528

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	.380 HP @ 60 HZ 1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	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	4.700 A @ 208.0 V 2.300 A @ 230.0 V
Design Code	B
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	2.3 a
Insulation Class	F

Part Detail

Revision	D
Type	AC
Mech. spec.	35AA001
Base	
Status	PRD/A
Elec. spec.	35WGG356
Layout	35LYAA001
Eff. date	10-28-2025
CD Diagram	CD0032
Poles	04/08
Leads	6#18 Y
Proprietary	False
Created date	02-23-2023

Inverter Code	Not Inverter
KVA Code	K
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	3528M
Mounting Arrangement	F1
Number of Poles	4 8
Overall Length	13.31 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	1735 rpm 865 rpm
Speed Code	2S-1W-VT
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.	M1555T								
SPEC.	35AA001G356								
HP	1.5/.38								
VOLTS	208-230								
AMP	4.7-2.3								
RPM	1735-865								
FRAME	145T		HZ	60			PH	3	
SER.F.	1.15	CODE	K	DES	B	CLASS	F		
NEMA-NOM-EFF		PF							
RATING	40C AMB-CONT								
CC									
DE	6205		ODE	6203					
ENCL	TEFC	SN							
	SFA 5.36-5.19								

Accessories

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

AC Induction Motor Performance Data

Record # 87856

Typical performance - not guaranteed values

Winding: 35WGG356-R001			Type: 3528M		Enclosure: TEFC		
Nameplate Data			230 V, 60 Hz: High Speed Connection				
Rated Output (HP)		1.5/.38	Full Load Torque		4.51 LB-FT		
Volts		208-230	Start Configuration		direct on line		
Full Load Amps		4.7/2.3	Breakdown Torque		16.69 LB-FT		
R.P.M.		1735/865	Pull-up Torque		12.78 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		13.23 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		33.72 A
Service Factor (S.F.)		1.15		No-load Current		3.47 A	
NEMA Nom. Eff.		0	Power Factor	0	Line-line Res. @ 25°C		4.14 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		69°C	
S.F. Amps				Temp. Rise @ S.F. Load		82°C	
				Locked-rotor Power Factor		83.2	
				Rotor inertia		0.202 lb-ft²	

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	50	65	75	79	83	77
Efficiency	63.4	74.9	78.6	79.3	78.8	77.4	79
Speed	1783	1768	1752	1734	1714	1693	1722
Line amperes	3.41	3.77	4.13	4.71	5.51	6.34	5.19

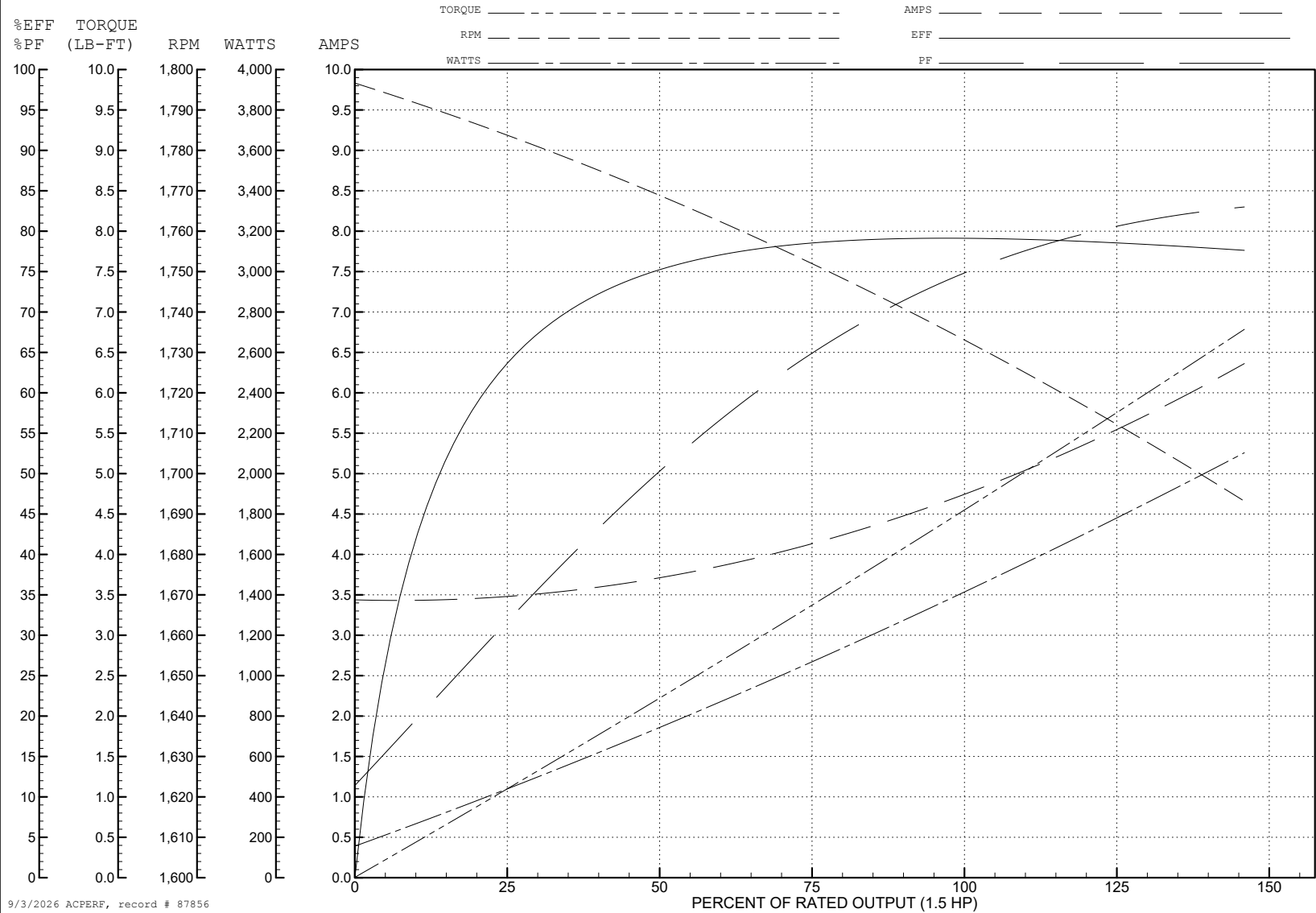
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WINDING # 35WGG356

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1734 RPM 230 V 3528M

TORQUES (LB-FT): PO=16.69 PU=12.78 LR=13.23 LRA=33.72



AC Induction Motor Performance Data

Record # 87857

Typical performance - not guaranteed values

Winding: 35WGG356-R001			Type: 3528M		Enclosure: TEFC			
Nameplate Data			230 V, 60 Hz: Low Speed Connection					
Rated Output (HP)		1.5/.38	Full Load Torque		2.29 LB-FT			
Volts		208-230	Start Configuration		direct on line			
Full Load Amps		4.7/2.3	Breakdown Torque		8.14 LB-FT			
R.P.M.		1735/865	Pull-up Torque		4.95 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		5.72 LB-FT		
NEMA Design Code		B	KVA Code	K	Starting Current		8.22 A	
Service Factor (S.F.)		1.15	No-load Current		2.03 A			
NEMA Nom. Eff.		0	Power Factor		0	Line-line Res. @ 25°C		16.5 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load			
					Locked-rotor Power Factor		83.2	
					Rotor inertia		0.202 lb-ft²	

Load Characteristics 230 V, 60 Hz, 0.38 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	25	34	43	51	59	65	56
Efficiency	35	50.9	59.5	64.1	66.6	67.5	65.6
Speed	892.7	886.3	879.4	872	863.7	854.4	867
Line amperes	2.03	2.05	2.09	2.17	2.28	2.43	2.24

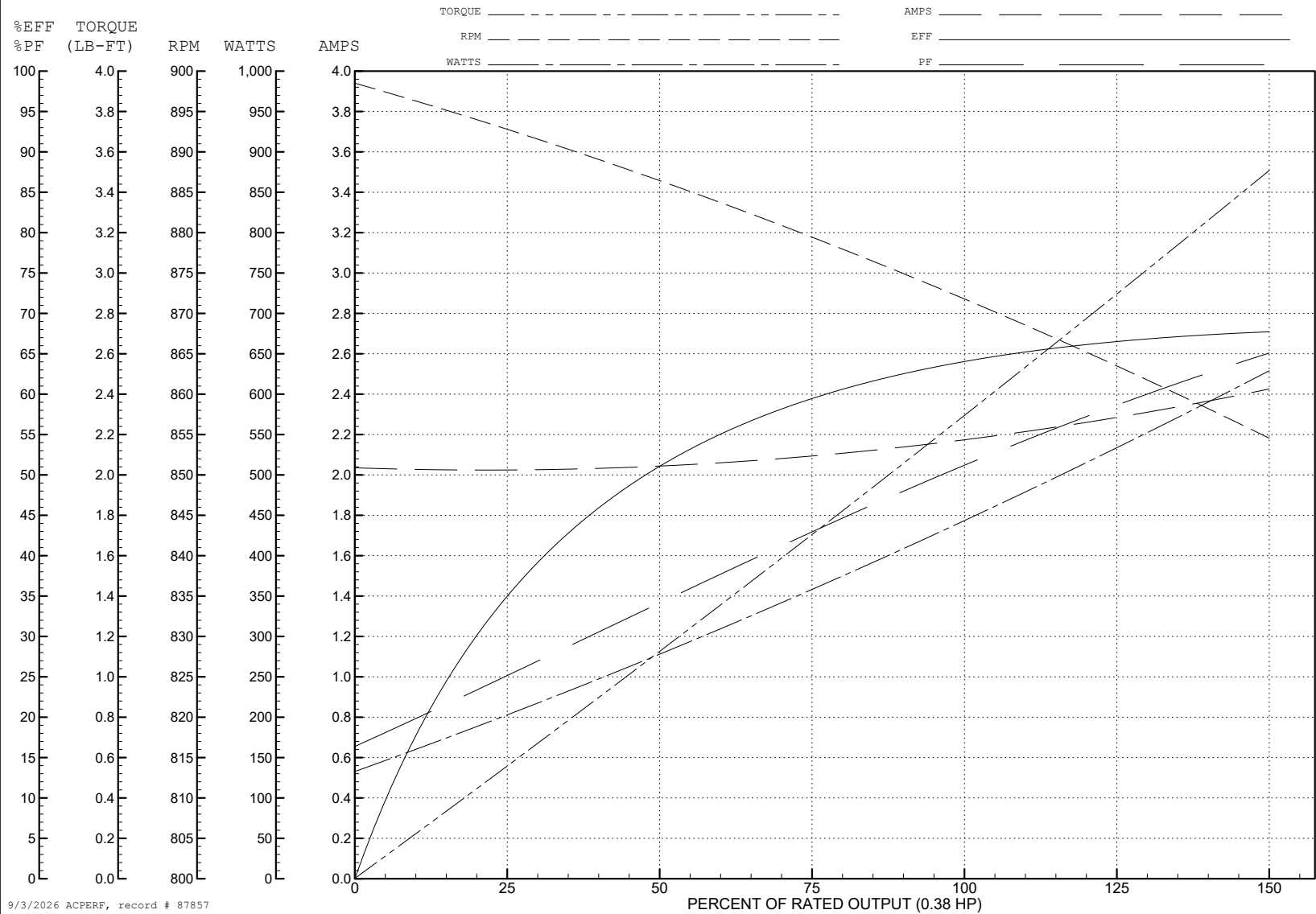
ABB Motors and Mechanical Inc.

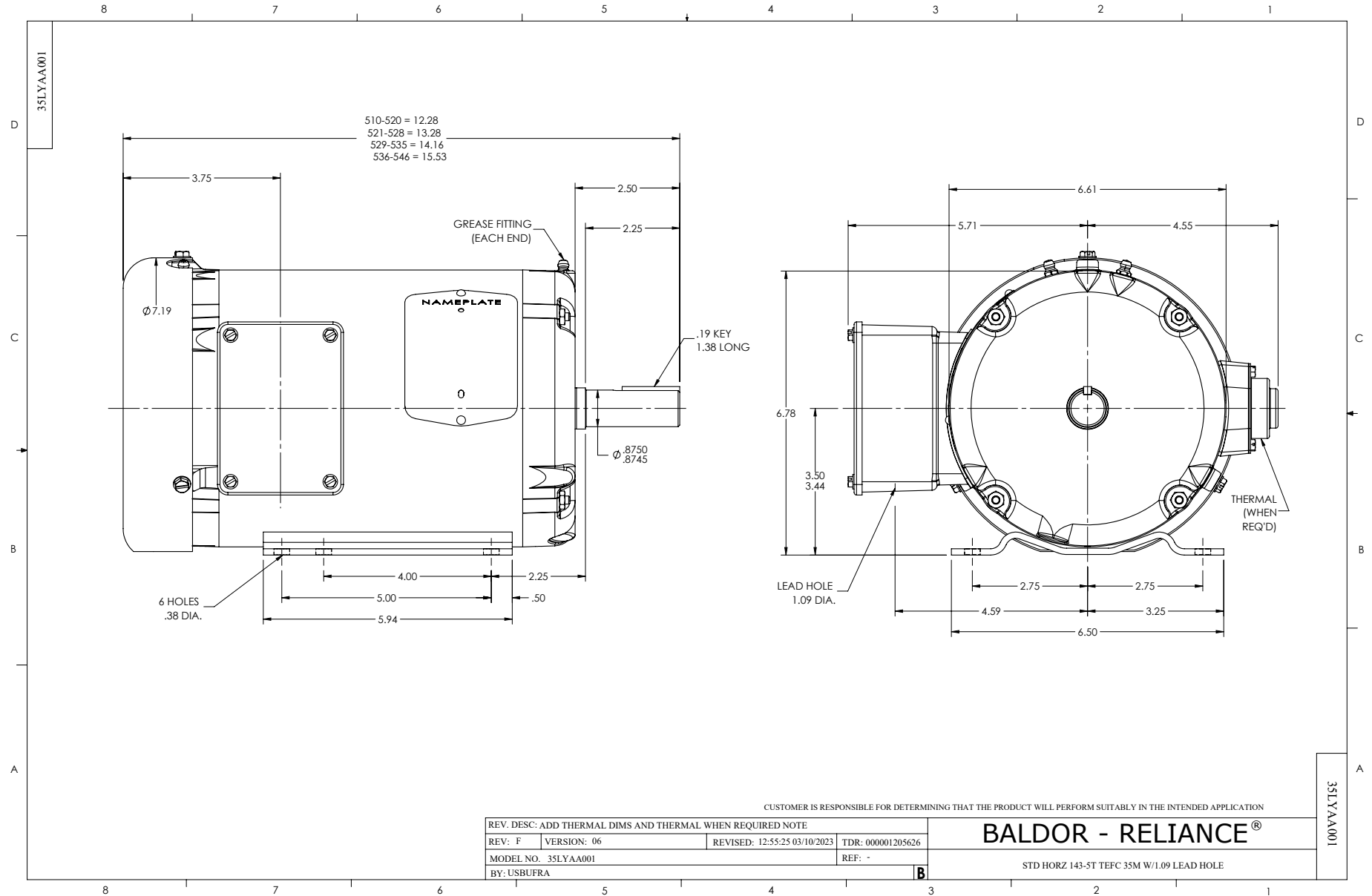
WINDING # 35WGG356

Typical performance - not guaranteed values.

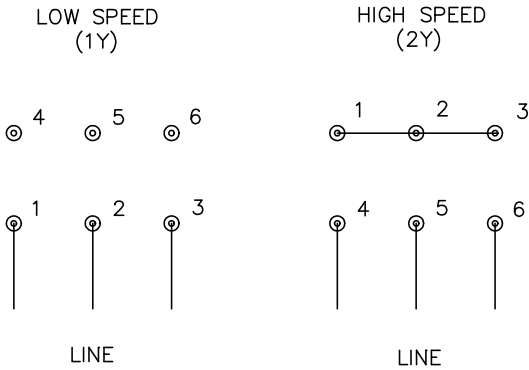
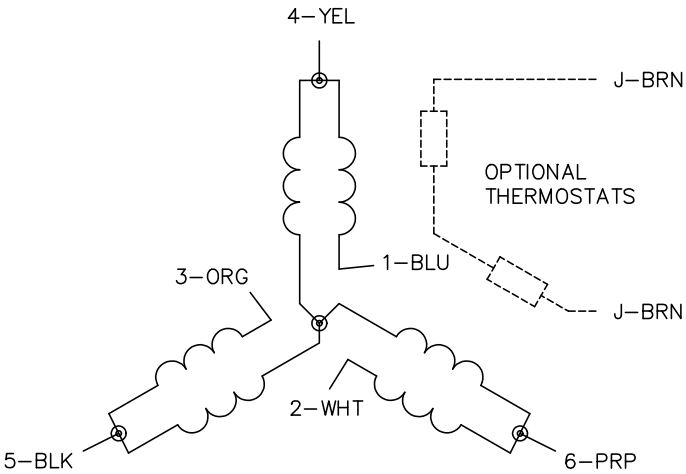
0.38 HP 3 PH 60 HZ 872 RPM 230 V 3528M

TORQUES (LB-FT): PO=8.14 PU=4.95 LR=5.72 LRA=8.22





CD0032



- 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: E	BY: JLP	REVISED: 01/22/99 8:27	TDR: 0171435
CD0032		FILE: AAA00005145	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

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

CD0032