



Customer information packet

EJMM3559T

3HP, 3450RPM, 3PH, 60HZ, 3532M, N

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	145JM
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	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	7.200 A @ 230.0 V 7.900 A @ 208.0 V 3.600 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
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	U
Type	AC
Mech. spec.	35T921
Base	
Status	PRD/A
Elec. spec.	35WGQ060
Layout	35LYT921
Eff. date	02-07-2025
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	04-29-2010

Heater Indicator	No Heater
High Voltage Full Load Amps	3.6 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	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	3532M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.29 IN
Power Factor	92
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
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	Shaft Slinger
Speed	3450 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

NP3441LUA

CAT.NO.	EJMM3559T									
SPEC	35T921Q060G1									
HP	3									
VOLTS	230/460									
AMPS	7.2/3.6									
RPM	3450									
FRAME	143JM		HZ	60			PH	3		
SF	1.15		CODE	L	DES	B	CLASS	F		
NEMA NOM. EFF	86.5		PF	92						
RATING	40C AMB-CONT									
CC	010A									
ENCL	TEFC		SER							
DE	6206		ODE	6203						
VPWM INVERTER READY			SFA 8.2/4.1							
CT6-60H(10:1)VT3-60H(20:1										
	50Hz 3HP 190/380V 8.8/4.4A								SF1.0	

AC Induction Motor Performance Data

Record # 50261

Typical performance - not guaranteed values

Winding: 35WGQ060-R002		Type: 3532M	Enclosure: TEFC
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3	Full Load Torque	4.5 LB-FT
Volts	230/460	Start Configuration	direct on line
Full Load Amps	7.2/3.6	Breakdown Torque	18 LB-FT
R.P.M.	3450	Pull-up Torque	11 LB-FT
Hz	60 Phase	Locked-rotor Torque	16 LB-FT
NEMA Design Code	B KVA Code	Starting Current	33 A
Service Factor (S.F.)	1.15	No-load Current	1.2 A
NEMA Nom. Eff.	86.5 Power Factor	Line-line Res. @ 25°C	4.72 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	61°C
S.F. Amps		Temp. Rise @ S.F. Load	76°C

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	62	81	88	92	93	94	93
Efficiency	83.7	87.9	88.2	87.2	85.6	83.5	86.2
Speed	3562	3531	3498	3462	3421	3375	3437
Line amperes	1.5	2.1	2.8	3.6	4.5	5.4	4.1

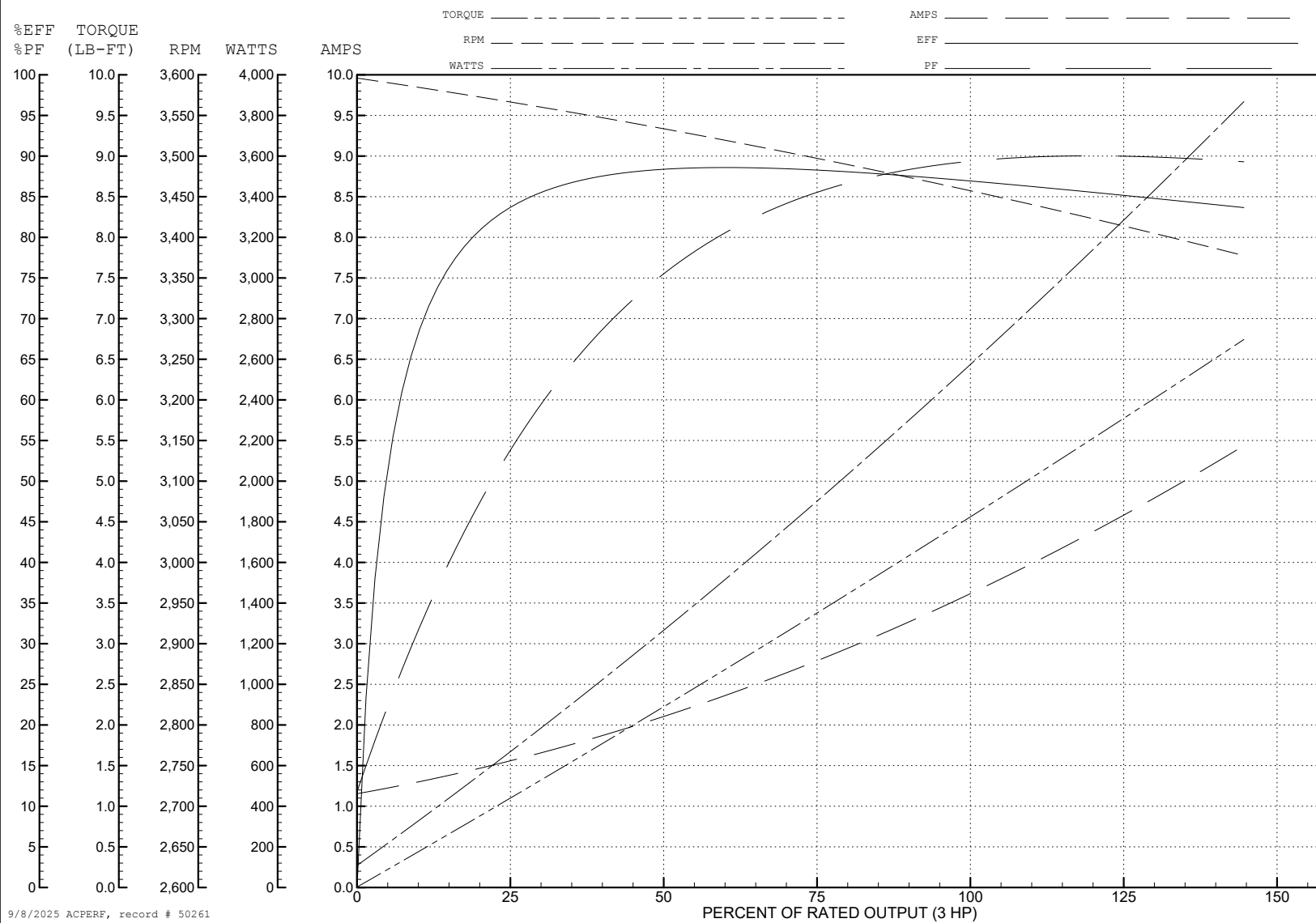
ABB Motors and Mechanical Inc.

WINDING # 35WGQ060

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 3450 RPM 460 V 3532M

TORQUES (LB-FT): PO=18 PU=11 LR=16 LRA=33



AC Induction Motor Performance Data

Record # 59171

Typical performance - not guaranteed values

Winding: 35WGQ060-R002			Type: 3532M		Enclosure: TEFC		
Nameplate Data			230 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		3	Full Load Torque		4.5 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		7.2/3.6	Breakdown Torque		18 LB-FT		
R.P.M.		3450	Pull-up Torque		11 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		16 LB-FT	
NEMA Design Code		B	KVA Code	L	Starting Current		66 A
Service Factor (S.F.)		1.15	No-load Current		2.4 A		
NEMA Nom. Eff.		86.5	Power Factor	92	Line-line Res. @ 25°C		1.17 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		61°C
S.F. Amps					Temp. Rise @ S.F. Load		73°C
					Locked-rotor Power Factor		47.1
					Rotor inertia		0.0885 LB-FT2

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	57	77	85	88	89	90	89
Efficiency	84.1	87.9	88.4	87.2	85.7	83.5	86.3
Speed	3562	3531	3498	3462	3421	3375	3437
Line amperes	3	4.2	5.6	7.2	9	10.8	8.28

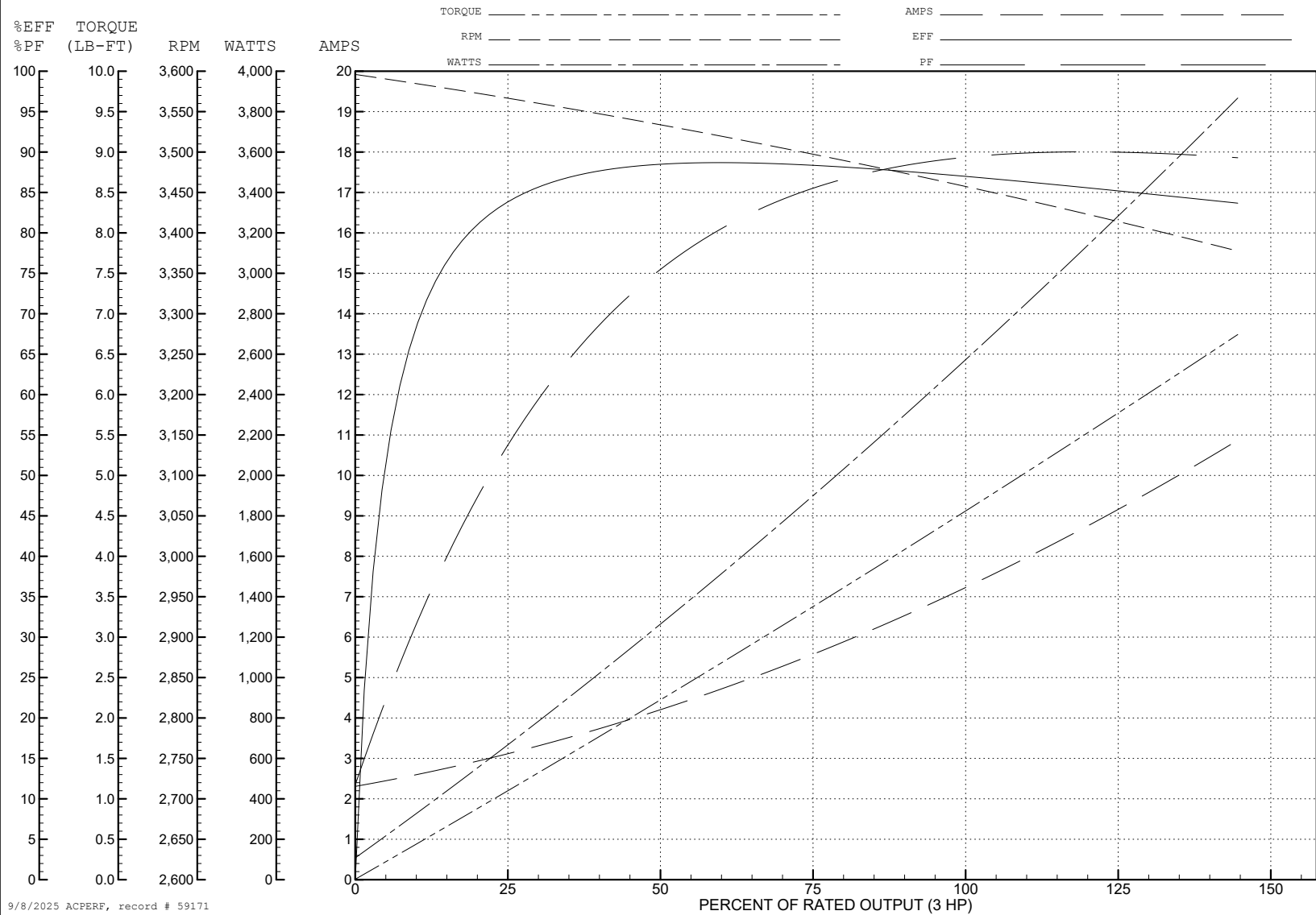
ABB Motors and Mechanical Inc.

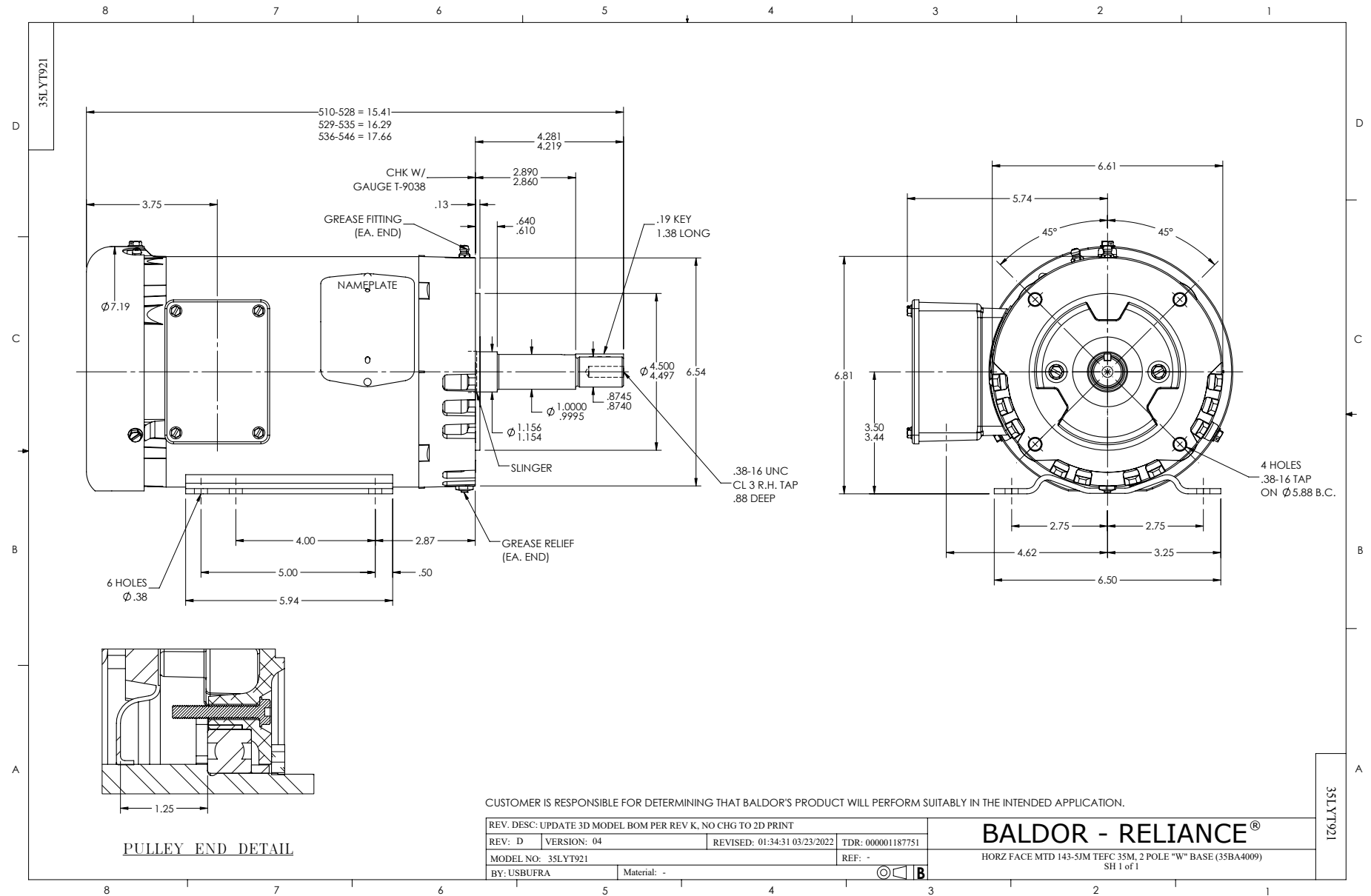
WINDING # 35WGQ060

Typical performance - not guaranteed values.

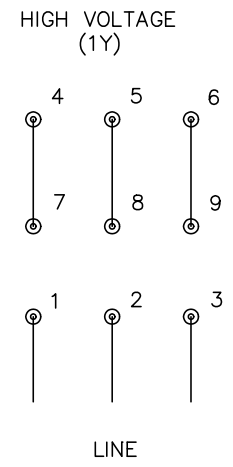
3 HP 3 PH 60 HZ 3450 RPM 230 V 3532M

TORQUES (LB-FT): PO=18 PU=11 LR=16 LRA=66





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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005