

ABB BALDOR RELIANCE III

Customer information packet

CTM1763T

25/6.3HP, 1760/870RPM, 3PH, 60HZ, 284T, 1040M

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	284T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	6.300 HP @ 60 HZ 25.000 HP @ 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	32.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	K
Type	AC
Mech. spec.	10H161
Base	
Status	PRD/A
Elec. spec.	10WGW442
Layout	10LYH161
Eff. date	09-29-2025
CD Diagram	CD0032
Poles	04/08
Leads	6#10
Proprietary	False
Created date	08-15-2014

KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1040M
Mounting Arrangement	F1
Number of Poles	4
	8
Overall Length	27.93 IN
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1760 rpm
	870 rpm
Speed Code	2S-1W-VT
Starting Method	Direct on line
Thermal Device - Bearing	NONE (OLD)
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1258									
CAT.NO.	CTM1763T								
SPEC.	10H161W442G1								
HP	25/6.3								
VOLTS	460								
AMP	32/12								
RPM	1760/870								
FRAME	284T	HZ		60		PH		3	
SER.F.	1.15	CODE		F	DES		B	CL	F
NEMA-NOM-EFF	PF								
RATING	40C AMB-CONT								
CC									
DE	6311	ODE		6311					
ENCL	TEFC	SN							

NP0090	
FRONT	6311
PULLEY	6311
LUBRICATE WITH	
GREASE	POLYREX EM

AC Induction Motor Performance Data

Record # 36424

Typical performance - not guaranteed values

Winding: 10WGW442-R003			Type: 1040M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: High Speed Connection			
Rated Output (HP)		25/6.3		Full Load Torque		73.6 LB-FT	
Volts		460		Start Configuration		direct on line	
Full Load Amps		32/12		Breakdown Torque		164 LB-FT	
R.P.M.		1760/870		Pull-up Torque		98 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		132 LB-FT	
NEMA Design Code		B	KVA Code	F		Starting Current	175 A
Service Factor (S.F.)		1.15		No-load Current		14.6 A	
NEMA Nom. Eff.		0	Power Factor	0		Line-line Res. @ 25°C	0.436 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		89°C	
S.F. Amps				Temp. Rise @ S.F. Load		108°C	

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	64	74	80	81	81	81
Efficiency	77	85	87	88	87	86	87.4
Speed	1793	1787	1780	1772	1762	1750	1766
Line amperes	16.7	21.2	26.7	32.6	41.1	50	37.7

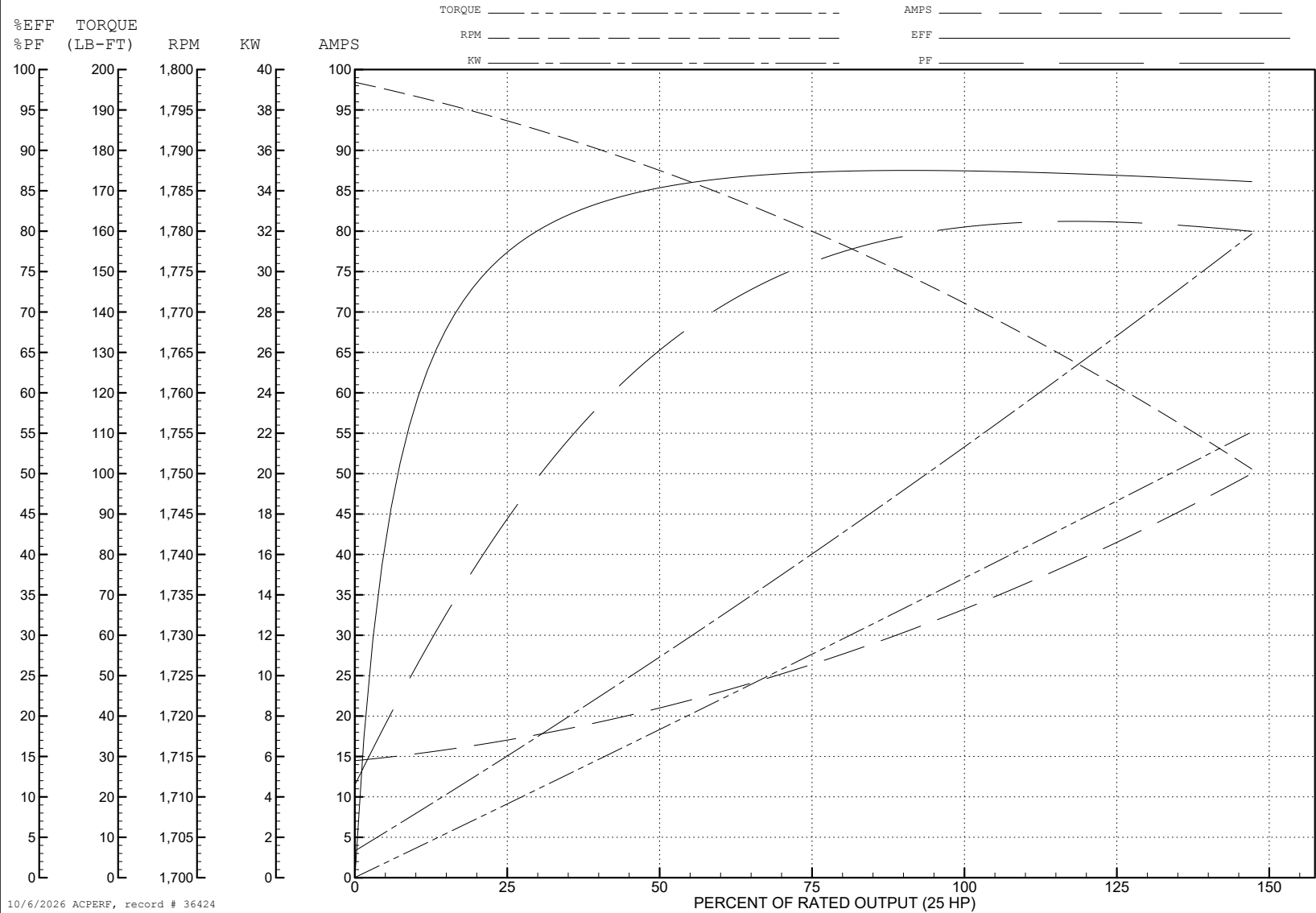
ABB Motors and Mechanical Inc.

WINDING # 10GW442

Typical performance - not guaranteed values.

25 HP 3 PH 60 HZ 1772 RPM 460 V 1040M

TORQUES (LB-FT): PO=164 PU=98 LR=132 LRA=175



AC Induction Motor Performance Data

Record # 36425

Typical performance - not guaranteed values

Winding: 10WGW442-R003			Type: 1040M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: Low Speed Connection			
Rated Output (HP)		25/6.3		Full Load Torque		37.6 LB-FT	
Volts		460		Start Configuration		direct on line	
Full Load Amps		32/12		Breakdown Torque		72 LB-FT	
R.P.M.		1760/870		Pull-up Torque		41 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		55 LB-FT	
NEMA Design Code		B	KVA Code	F	Starting Current		45 A
Service Factor (S.F.)		1.15		No-load Current		7.7 A	
NEMA Nom. Eff.		0	Power Factor	0	Line-line Res. @ 25°C		1.73 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		40°C	
S.F. Amps				Temp. Rise @ S.F. Load		48°C	

Load Characteristics 460 V, 60 Hz, 6.3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	26	41	50	57	62	63	60
Efficiency	72	81	84	85.2	84	83	84.5
Speed	896	894	891	887	883	876	885
Line amperes	8.1	9	10.4	12	14.2	17.3	13.3

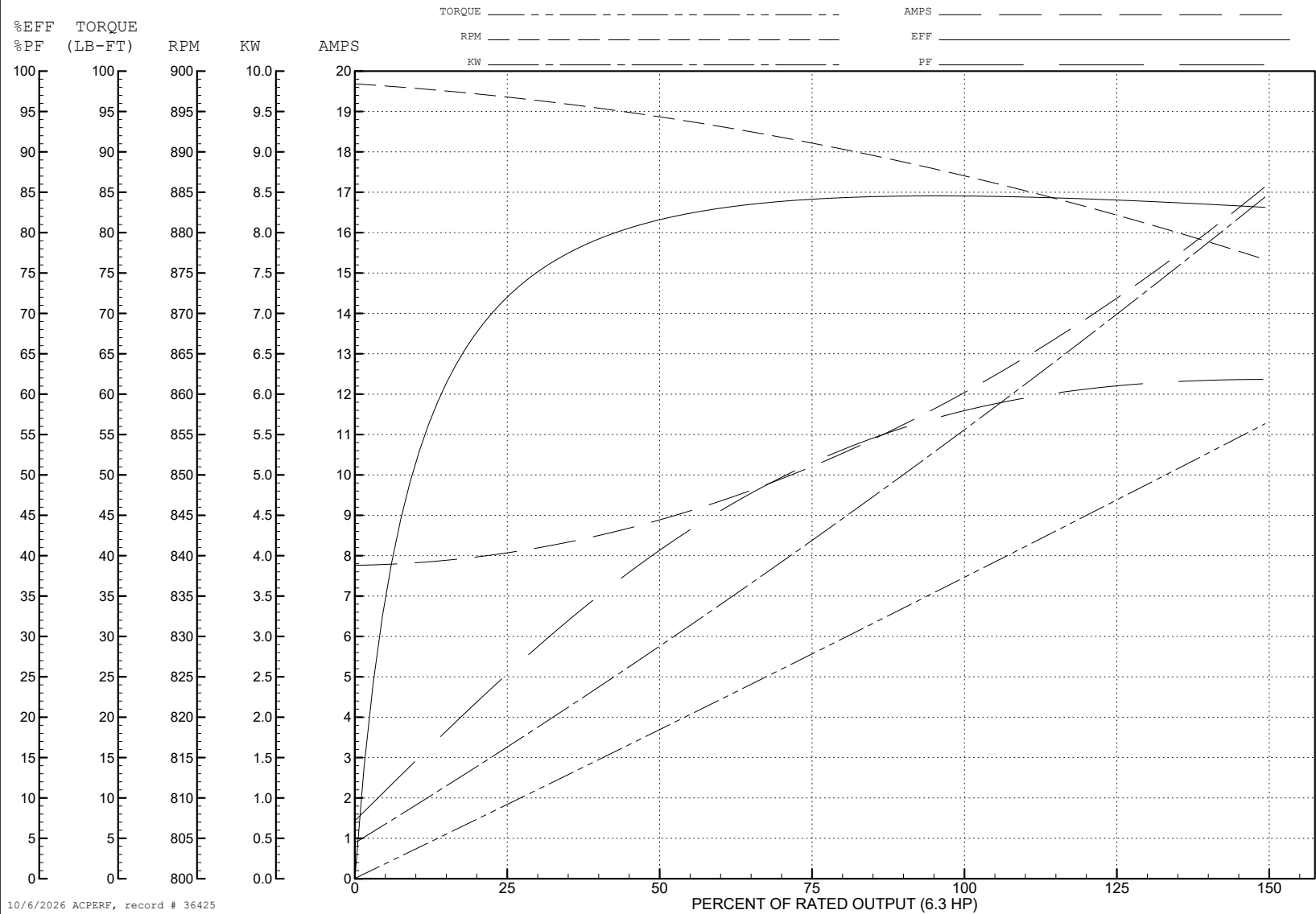
ABB Motors and Mechanical Inc.

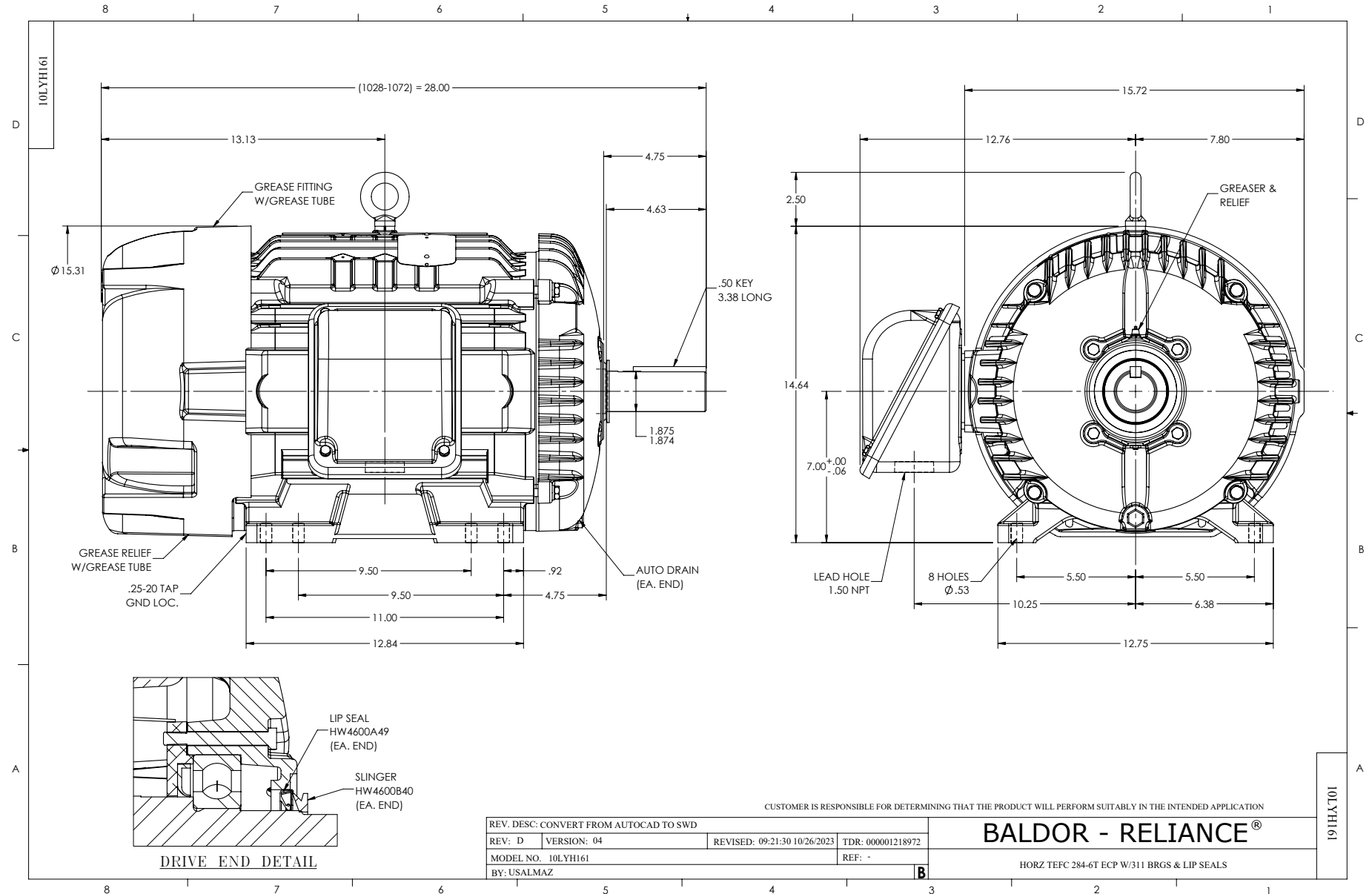
WINDING # 10WGW442

Typical performance - not guaranteed values.

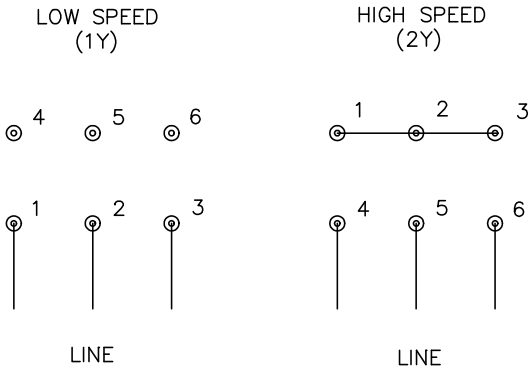
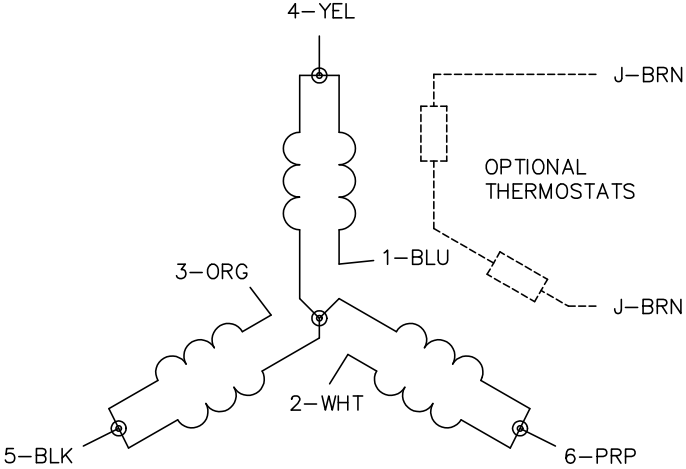
6.3 HP 3 PH 60 HZ 887 RPM 460 V 1040M

TORQUES (LB-FT) : PO=72 PU=41 LR=55 LRA=45





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