



Customer information packet

CEDM3708T

5HP, 1165RPM, 3PH, 60HZ, 215TC, 3752M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215TC
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	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CCSA US CSA EEV NEMA PREMIUM NEMA_PREMIUM 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
Constant Torque Speed Range	6
Current @ Voltage	7.200 A @ 460.0 V 15.600 A @ 208.0 V 14.400 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated

Part detail

Revision	D
Type	AC
Mech. spec.	37N854
Base	
Status	PRD/A
Elec. spec.	37WGQ067
Layout	37LYN854
Eff. date	06-24-2021
CD Diagram	CD0005
Poles	06
Leads	9#14 Y
Proprietary	False
Created date	09-21-2017

Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	7.2 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3752M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	21.26 IN
Power Factor	71
Product Family	Dirty Duty Plus
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1165 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

NP3504

CAT NO	CEDM3708T				
SPEC.	37N854Q067G1	ENCL	TEFC		
FRAME	215TC	HP	5		
VOLTS	230/460				
FLA	14.4/7.2	I.P.	56		
RPM	1165	RPM MAX			
HZ	60	PH	3	CLASS	F
SER.F.	1.15	DES	A	CC	010A
NEMA-NOM-EFF	89.5				
RATING	40C AMB-CONT				
DE BRG	6307	ODE BRG	6206		
GREASE	POLYREX EM				
C HP FR	60	C HP TO	90		
CT HZ FROM	6	CT HZ TO	60	VT HZ FROM	6
				VT HZ TO	60
SER.NO					

AC Induction Motor Performance Data

Record # 67641

Typical performance - not guaranteed values

Winding: 37WGQ067-R001		Type: 3752M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	5	Full Load Torque	22.48 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	14.4/7.2	Breakdown Torque	80.1 LB-FT		
R.P.M.	1165	Pull-up Torque	51.2 LB-FT		
Hz	60 Phase	Locked-rotor Torque	55.8 LB-FT		
NEMA Design Code	A KVA Code	Starting Current	54.4 A		
Service Factor (S.F.)	1.15	No-load Current	3.98 A		
NEMA Nom. Eff.	89.5 Power Factor	Line-line Res. @ 25°C	3.6757 Ω		
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	59°C		
S.F. Amps		Temp. Rise @ S.F. Load	73°C		
		Locked-rotor Power Factor	21.9		

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	52	64	70	74	76	72
Efficiency	84.4	89.3	90.2	89.7	88.6	87.1	89
Speed	1191.6	1183.1	1174.9	1164.8	1154	1141.3	1158
Line amperes	4.28	5.07	6.08	7.39	8.87	10.6	8.28

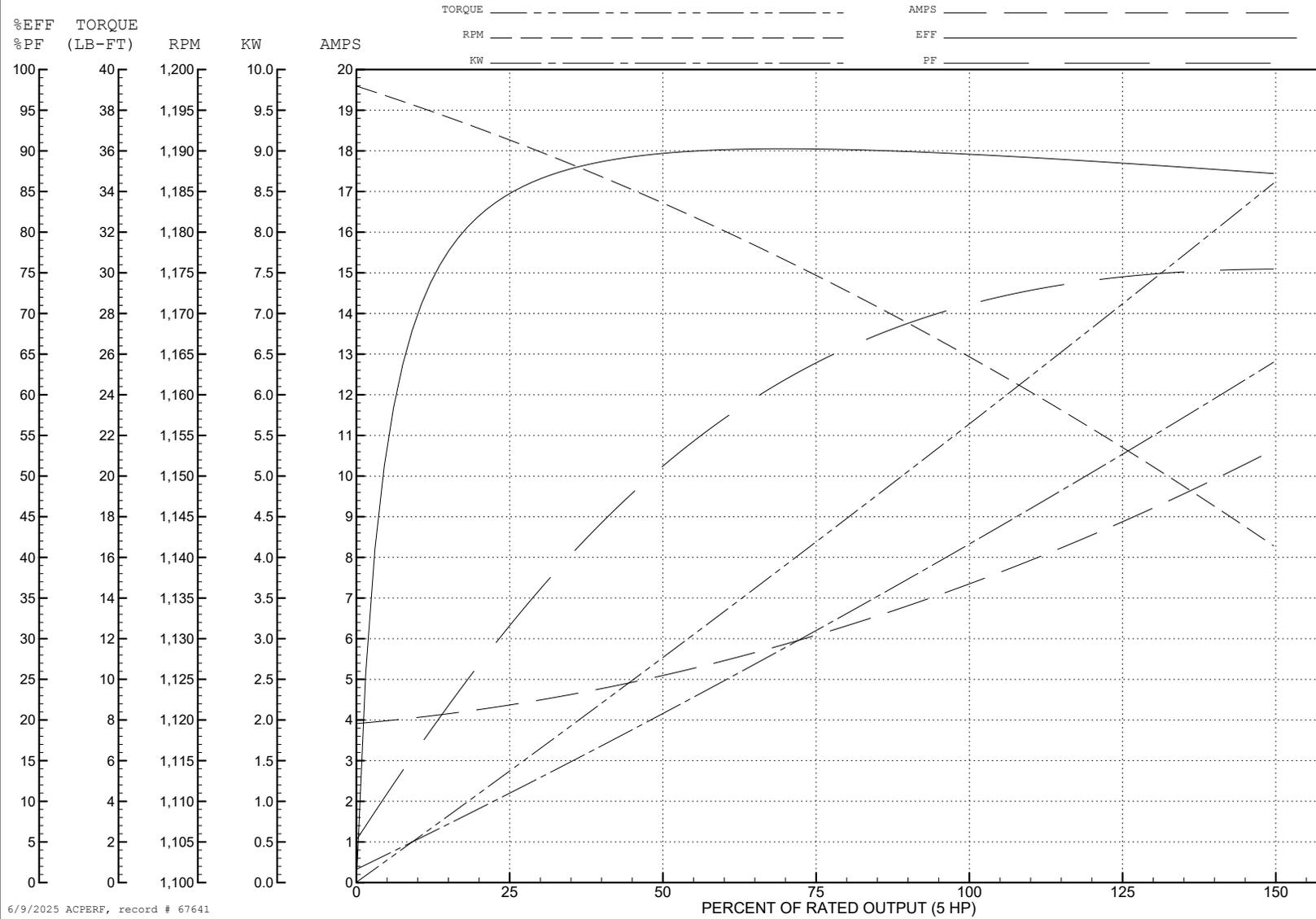
ABB Motors and Mechanical Inc.

WINDING # 37WGQ067

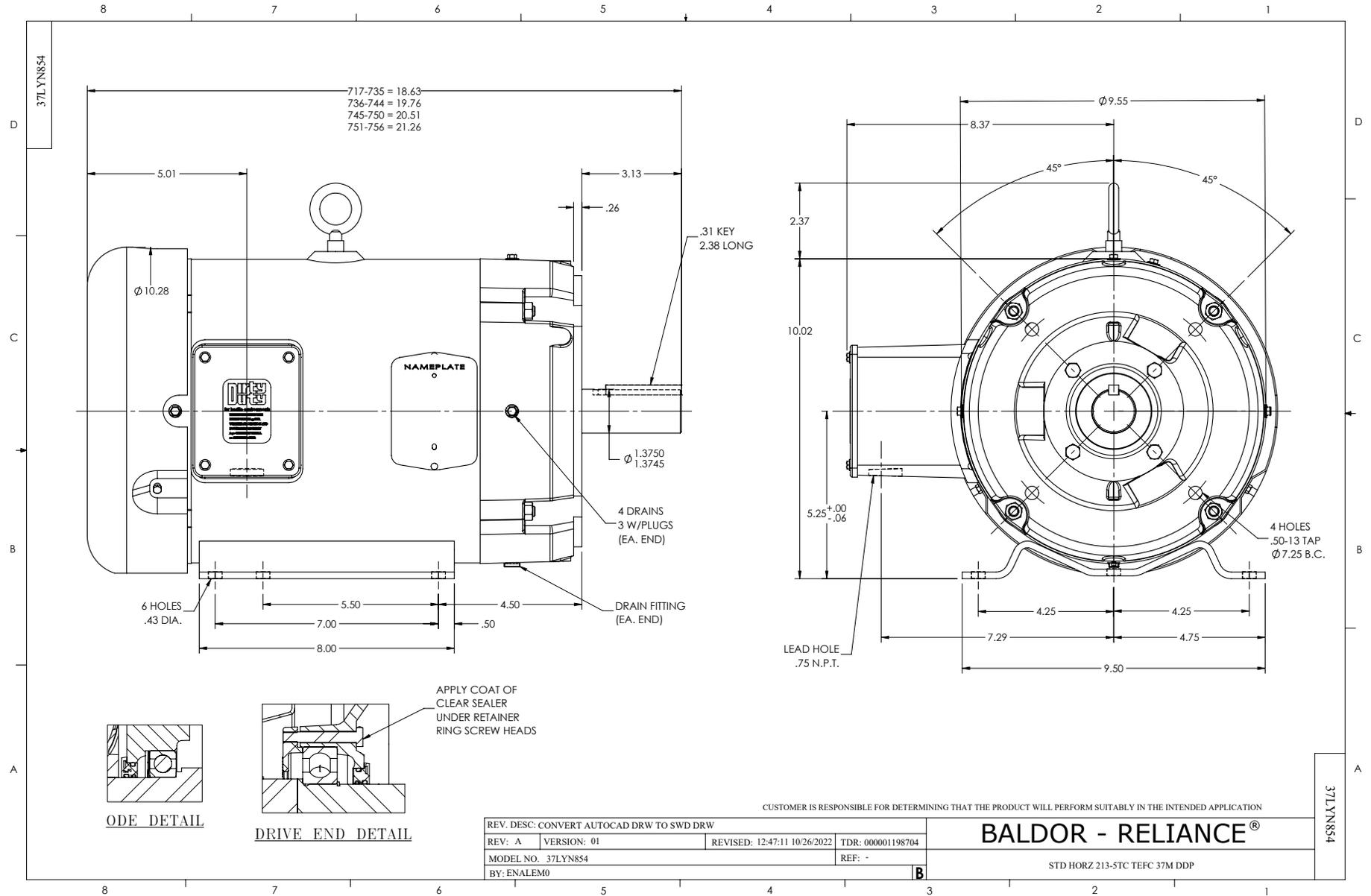
Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 1165 RPM 460 V 3752M

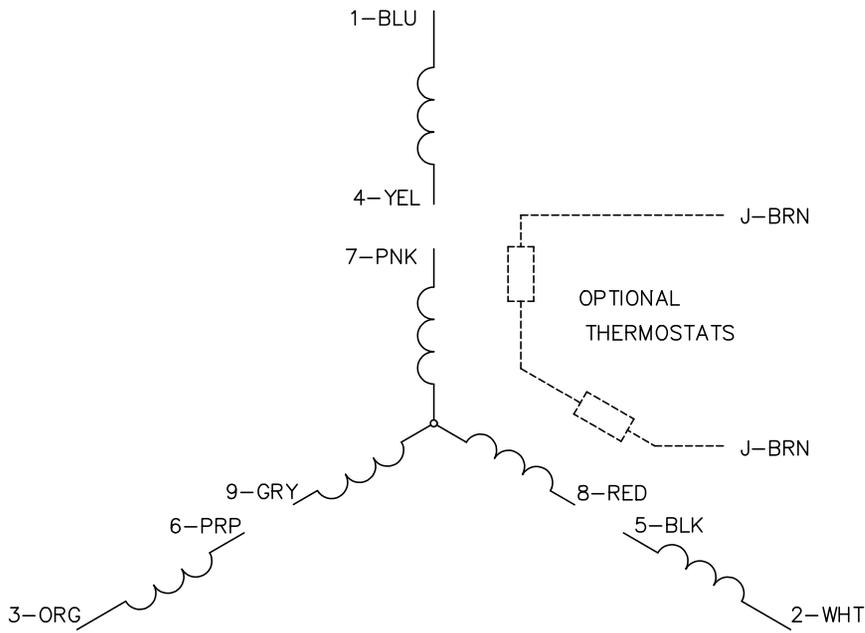
TORQUES (LB-FT): PO=80.1 PU=51.2 LR=55.8 LRA=54.4



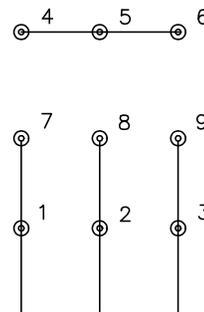
6/9/2025 ACPERF, record # 67641



CD0005

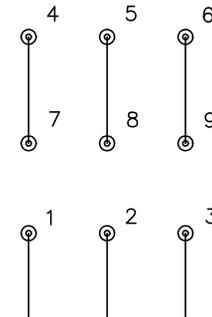


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

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			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS