



Customer information packet

EM3769T-8

7.5HP, 3500RPM, 3PH, 60HZ, 213T, 0724M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	213T
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	7.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	200.0 V @ 60 HZ
Agency Approvals	CURUSEEV NEMA PREMIUM NEMA_PREMIUM UR CSA EEV
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	21.000 A @ 200.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	P
Type	AC
Mech. spec.	07H002
Base	
Status	PRD/A
Elec. spec.	07WGY364
Layout	07LYH002
Eff. date	04-29-2024
CD Diagram	CD0006
Poles	02
Leads	3#14
Proprietary	False
Created date	09-24-2012

High Voltage Full Load Amps	21.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0724M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.45 IN
Power Factor	85
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	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3500 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

NP3441L

CAT.NO.	EM3769T-8									
SPEC.	07H002Y364G1									
HP	7.5									
VOLTS	200									
AMP	21									
RPM	3500									
FRAME	213T		HZ	60			PH	3		
SER.F.	1.15	CODE	H	DES	B	CL	F			
NEMA-NOM-EFF	89.5	PF	85							
RATING	40C AMB-CONT									
CC	010A									
DE	6307		ODE	6206						
ENCL	TEFC	SN								

VPWM INVERTER READY

CT6-60H(10:1)VT3-60H(20:1)

Accessories

Part number	Description	Multiplier
37-1304	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 39894

Typical performance - not guaranteed values

Winding: 07WGY364-R001		Type: 0724M	Enclosure: TEFC
Nameplate Data		200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	7.5	Full Load Torque	11.2 LB-FT
Volts	200	Start Configuration	direct on line
Full Load Amps	21	Breakdown Torque	48.8 LB-FT
R.P.M.	3500	Pull-up Torque	14.4 LB-FT
Hz	60 Phase	Locked-rotor Torque	20.3 LB-FT
NEMA Design Code	B KVA Code	Starting Current	145 A
Service Factor (S.F.)	1.15	No-load Current	8.5 A
NEMA Nom. Eff.	89.5 Power Factor	Line-line Res. @ 25°C	0.235 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	47°C
S.F. Amps		Temp. Rise @ S.F. Load	57°C
		Locked-rotor Power Factor	34
		Rotor inertia	0.219 LB-FT ²

Load Characteristics 200 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	49	71	80	85	87	87	86
Efficiency	83.2	88.9	90.3	89.8	89.3	88.4	89.5
Speed	3574	3552	3527	3500	3473	3442	3484
Line amperes	9.87	12.8	16.8	21.1	26	31.3	24

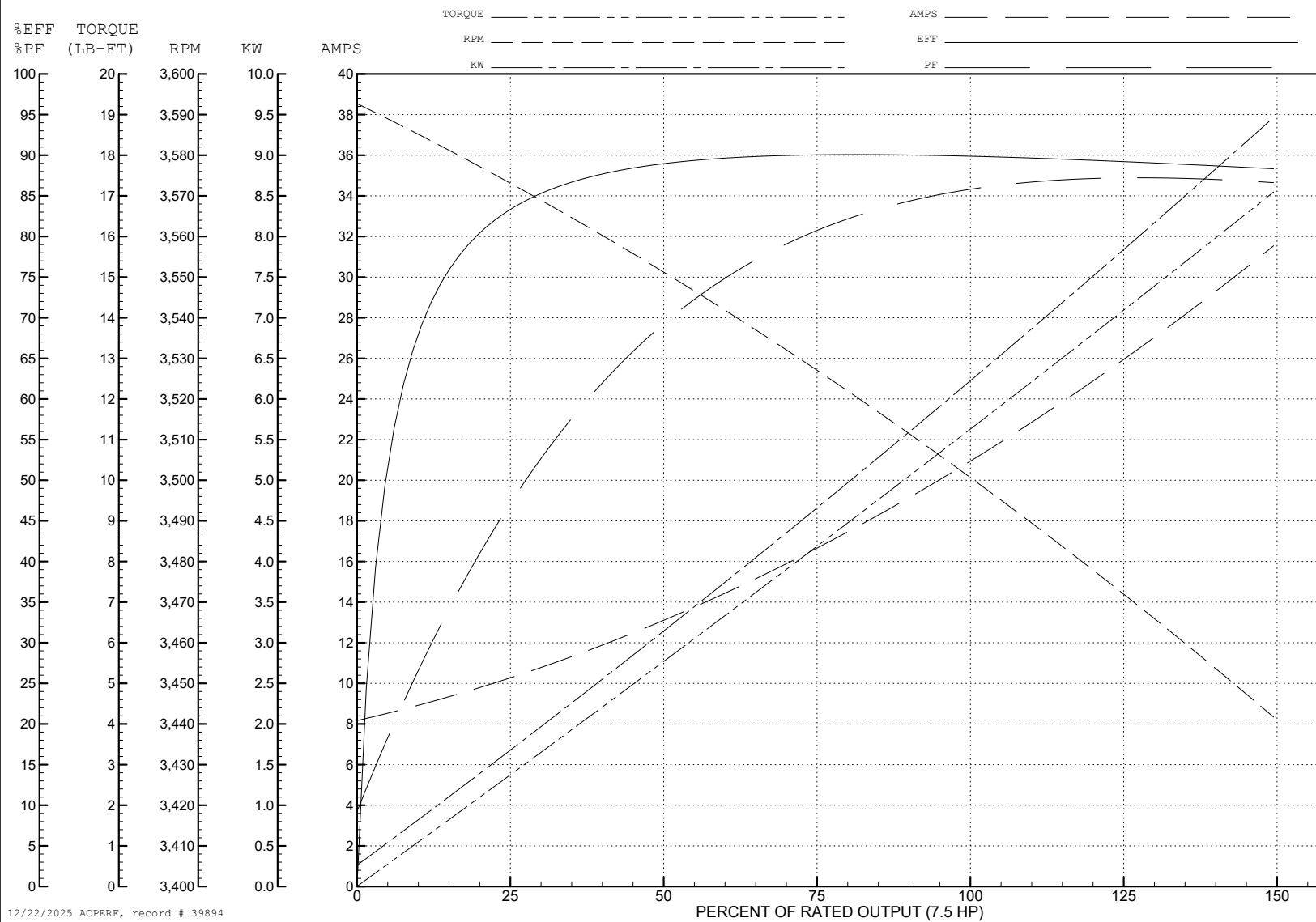
ABB Motors and Mechanical Inc.

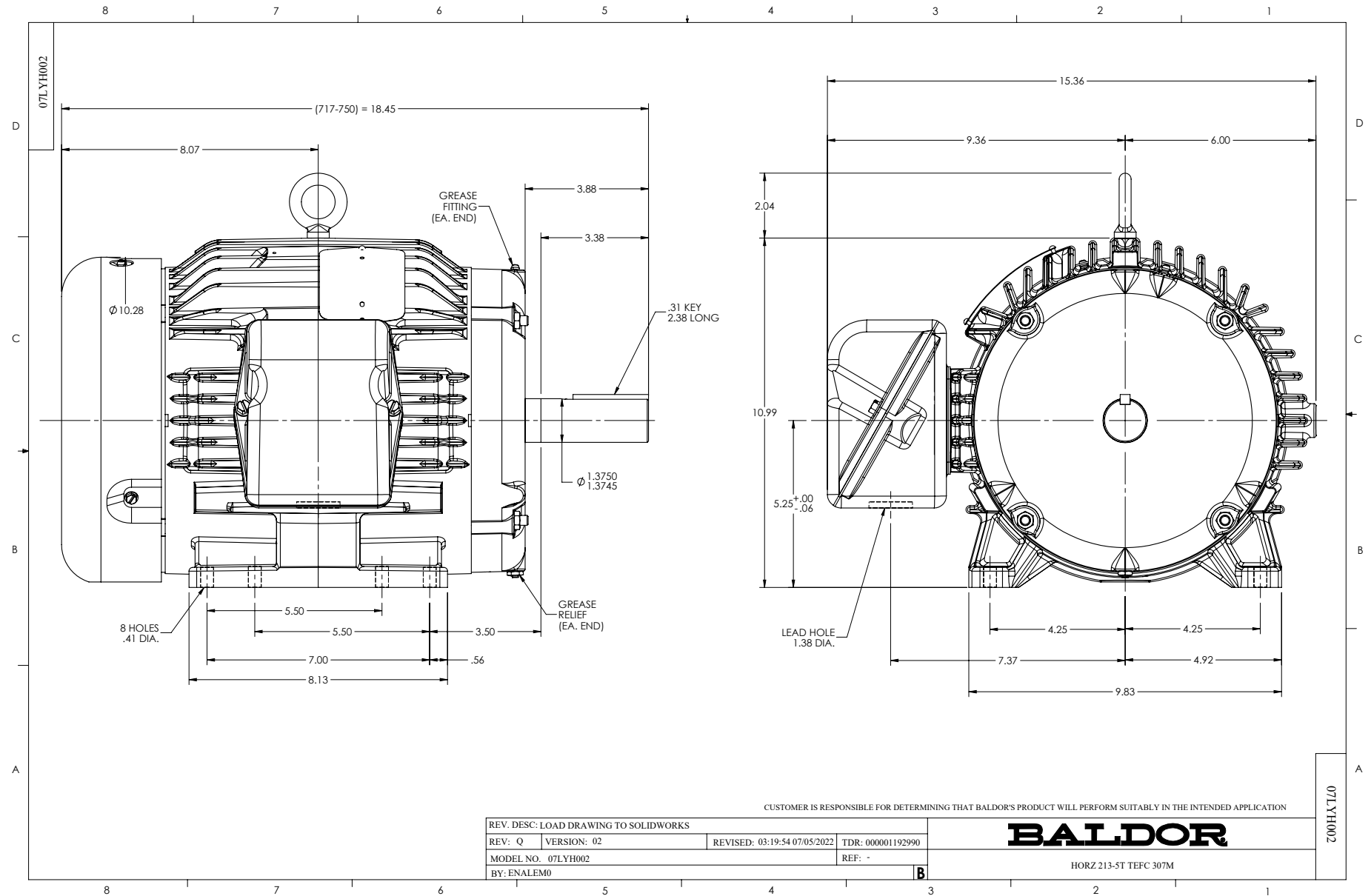
WINDING # 07WGY364

Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 3500 RPM 200 V 0724M

TORQUES (LB-FT): PO=48.8 PU=14.4 LR=20.3 LRA=145





CD0006



- NOTES:
- 1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
 - 2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
 - 3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
 - 4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
 - 5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
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MTL: —		

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1