



Customer information packet

AEM2333-4

15HP, 1760RPM, 3PH, 60HZ, 284U, 0944M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	284U
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	15.000 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	65 °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	17.600 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
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	17.6 a
Insulation Class	F
Inverter Code	Inverter Ready

Part detail

Revision	J
Type	AC
Mech. spec.	09F947
Base	
Status	PRD/A
Elec. spec.	09WGZ997
Layout	09LYF947
Eff. date	11-14-2023
CD Diagram	CD0006
Poles	04
Leads	3#12
Proprietary	False
Created date	11-08-2016

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 12 AWG
Motor Lead Termination	Ring Terminals
Motor Standards	NEMA
Motor Type	0944M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	26.33 IN
Power Factor	85
Product Family	Automotive (Not For DC)
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1760 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

NP1404									
CAT.NO.	AEM2333-4								
SPEC.	09F947Z997G1								
VOLTS	460								
AMP	17.6								
RPM	1760		HP	15					
FRAME	284U		HZ	60		PH	3		
SER.F.	1.00		CODE	G		DES	B		CL F
NEMA-NOM-EFF	92.4		PF	85					
G.MIN.EFF	91		CC	010A					
RATING	65C AMB-CONT								
LUBRICATION	POLYREX EM								
DE	6311		ODE	6208					
ENCL	TEFC		SER. #						

Accessories

Part number	Description	Multiplier
09-1310	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 60281

Typical performance - not guaranteed values

Winding: 09WGZ997-R044		Type: 0944M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)	15	Full Load Torque	44.6 LB-FT		
Volts	460	Start Configuration	direct on line		
Full Load Amps	17.6	Breakdown Torque	163 LB-FT		
R.P.M.	1760	Pull-up Torque	53.3 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque	73.2 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	108 A
Service Factor (S.F.)	1	No-load Current	6.19 A		
NEMA Nom. Eff.	92.4	Power Factor	85	Line-line Res. @ 25°C	0.62 Ω
Rating - Duty	65C AMB-CONT		Temp. Rise @ Rated Load	50°C	
			Locked-rotor Power Factor	32.6	
			Rotor inertia	1.92 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	52	73	84	86	87	88
Efficiency	89.4	92.6	93	92.5	91.4	90.3
Speed	1792	1783	1773	1763	1752	1739
Line amperes	7.44	10.3	13.5	17.6	22	26.6

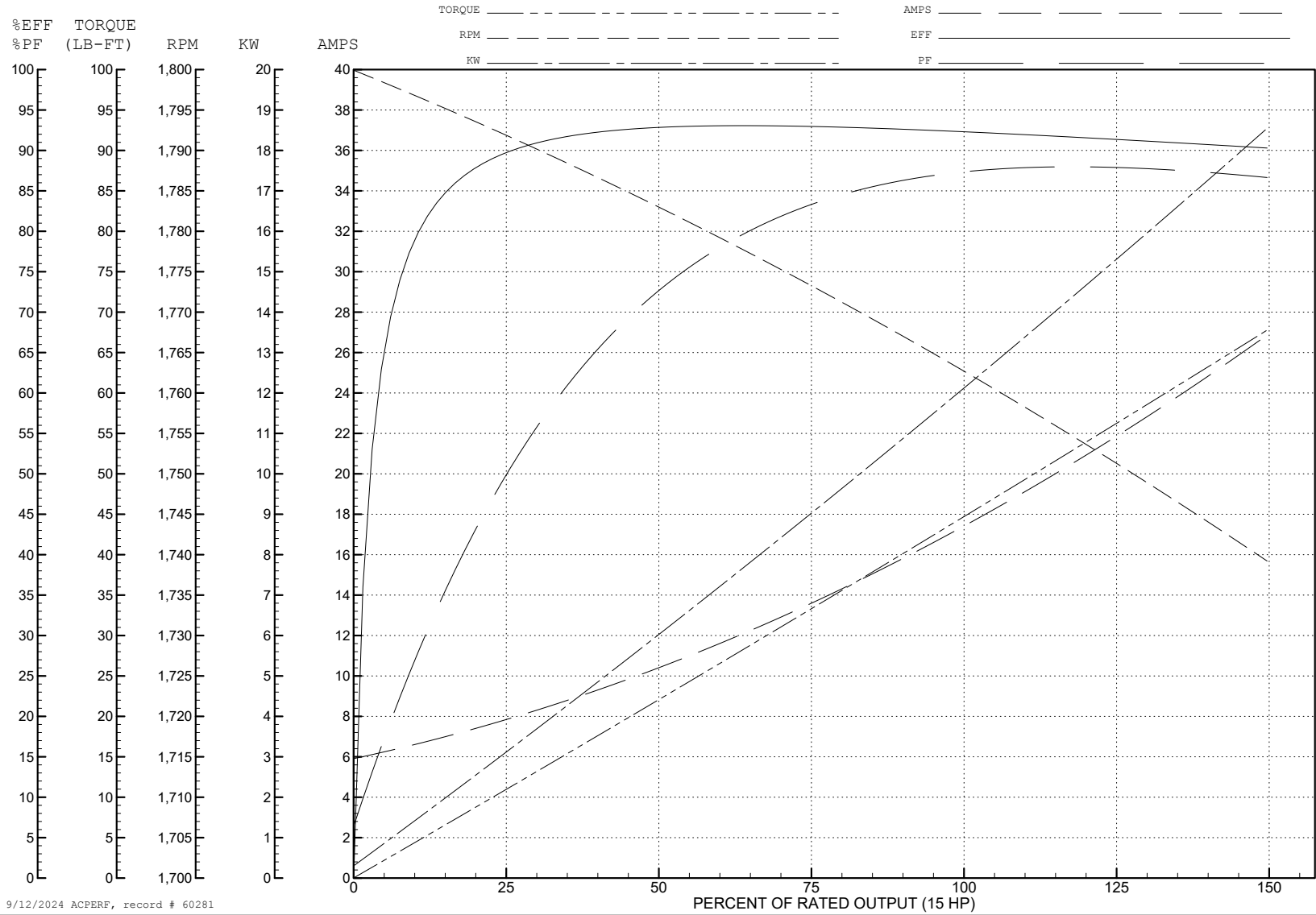
ABB Motors and Mechanical Inc.

WINDING # 09WGZ997

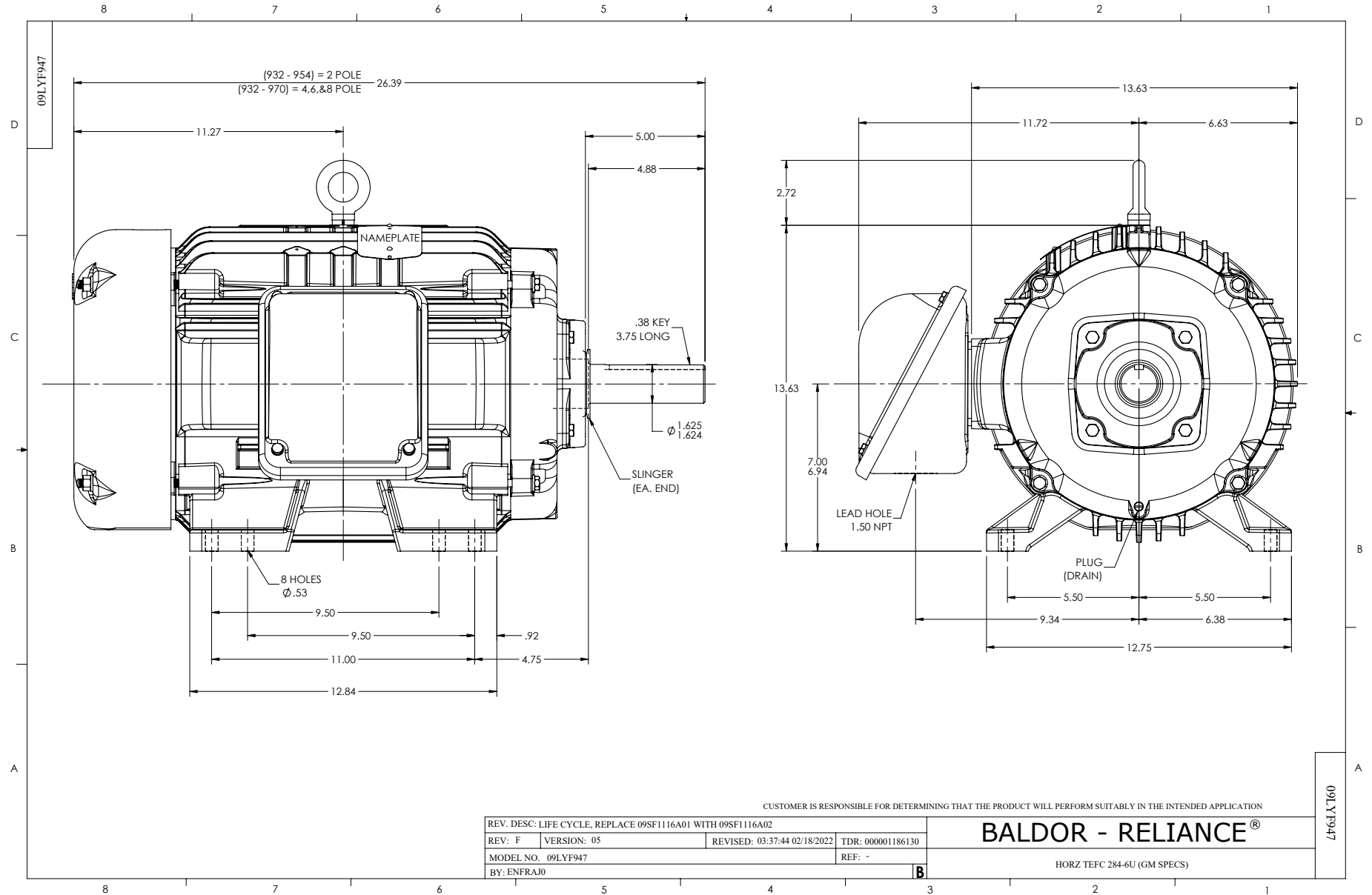
Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1760 RPM 460 V 0944M

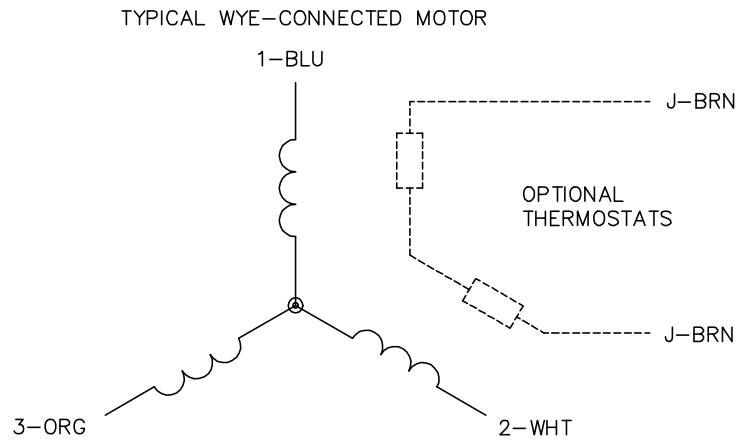
TORQUES (LB-FT): PO=163 PU=53.3 LR=73.2 LRA=108



9/12/2024 ACPERF, record # 60281



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
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIRO
MTL: -	© □	

BALDOR - RELIANCE®

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

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