

BALDOR • RELIANCE

Customer information packet

IDM2334T-5

60M 4P TEBC HOR 256TC TSTAT INV DUTY

Class - None

Division - Not Applicable

Specifications

Enclosure	TEBC
Frame	256TC
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	20.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UR CSA
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	BLOWER
Current @ Voltage	19.200 A @ 575.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	19.2 a
Insulation Class	H
Inverter Code	Inverter Duty
KVA Code	J

Part detail

Revision	G
Type	AC
Mech. spec.	09T110
Base	
Status	PRD/A
Elec. spec.	09WGT507
Layout	09LYT110
Eff. date	11-14-2023
CD Diagram	CD0006
Poles	04
Leads	3#12
Proprietary	False
Created date	03-19-2019

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0960M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	29.41 IN
Power Factor	83
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1770 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1163L	
CAT NO	IDM2334T-5
SPEC.	09T110T507G1
FRAME	256TC HP 20 TE
VOLTS	575
MAG CUR	8.3 FLA 19.2
RPM	1770 RPM MAX 2700
HZ	60 PH 3 CLASS H
SER.F.	1.00 DES A SL HZ 1
NEMA-NOM-EFF	93 WK2 2.62
BLWR V	PH HZ A
RATING	40C AMB-CONT
DE BRG	6309 ODE BRG 6208
CC	010A SN

AC Induction Motor Performance Data

Record # 68066

Typical performance - not guaranteed values

Winding: 09WGT507-R003		Type: 0960M	Enclosure: TEBC		
Nameplate Data			575 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)	20	Full Load Torque	59.29 LB-FT		
Volts	575	Start Configuration	direct on line		
Full Load Amps	19.2	Breakdown Torque	231 LB-FT		
R.P.M.	1770	Pull-up Torque	126 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque	140 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	158 A
Service Factor (S.F.)	1			No-load Current	8.28 A
NEMA Nom. Eff.	93	Power Factor	83	Line-line Res. @ 25°C	0.499 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	58°C
				Locked-rotor Power Factor	26.5
				Rotor inertia	2.65 lb-ft ²

Load Characteristics 575 V, 60 Hz, 20 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	45	67	78	83	86	87
Efficiency	89.2	93	93.7	93.5	93.1	92.4
Speed	1793	1786	1779	1772	1764	1755
Line amperes	9.41	11.99	15.34	19.19	23.44	27.92

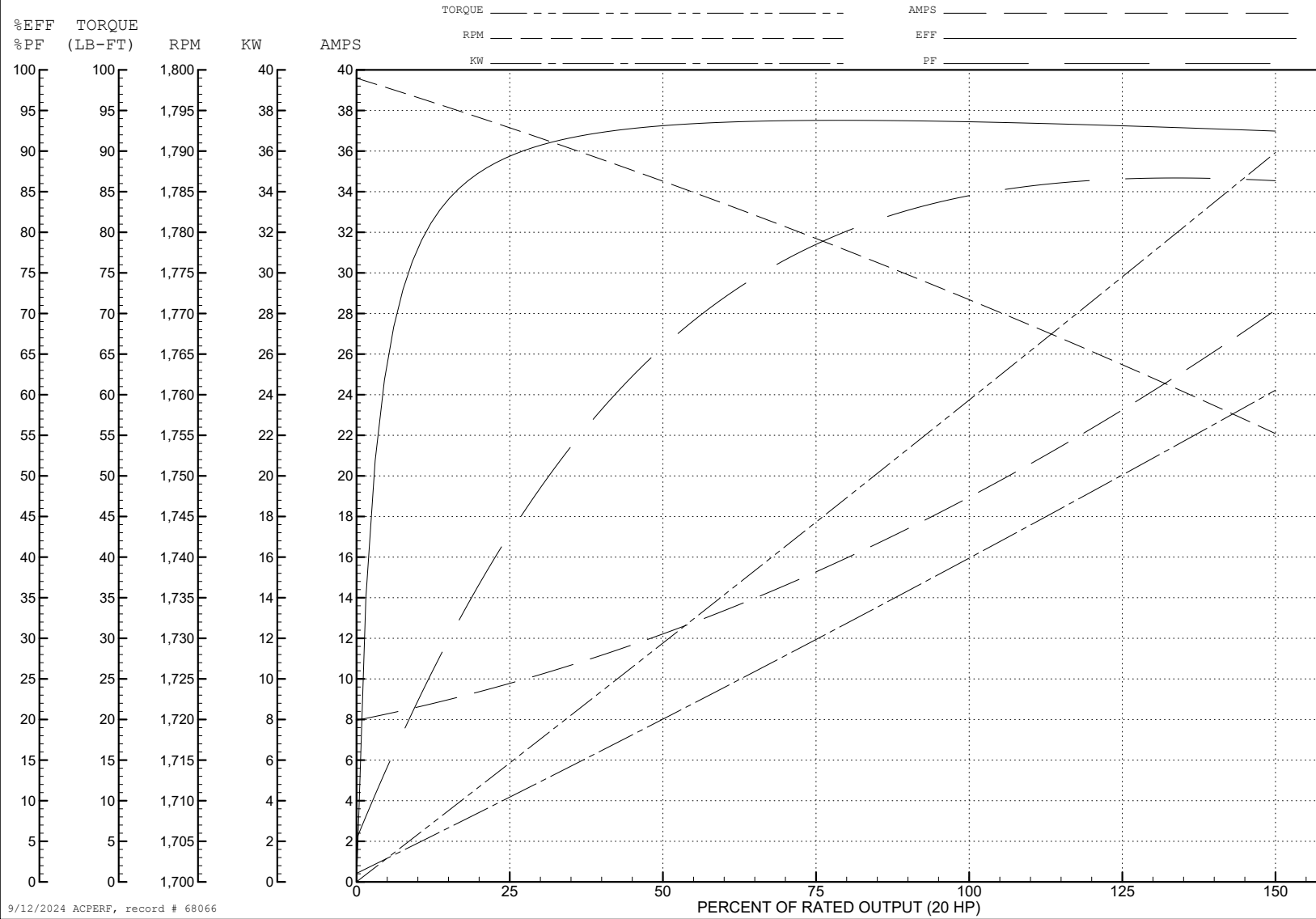
ABB Motors and Mechanical Inc.

WINDING # 09WGT507

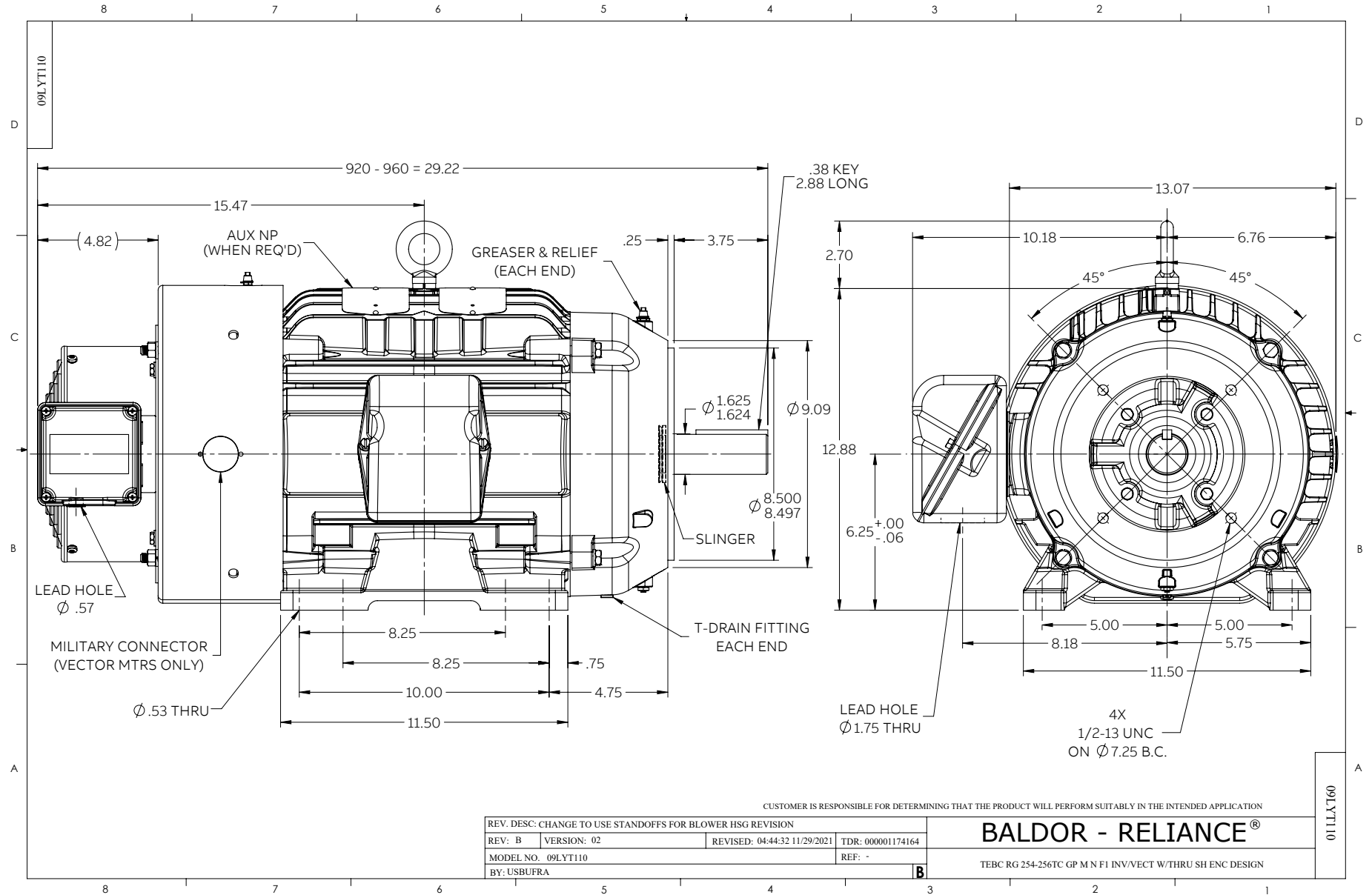
Typical performance - not guaranteed values.

20 HP 3 PH 60 HZ 1770 RPM 575 V 0960M

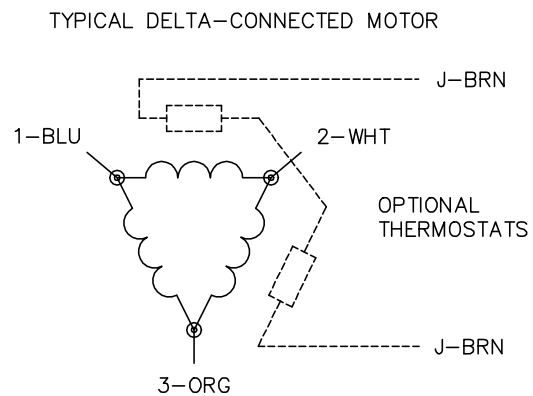
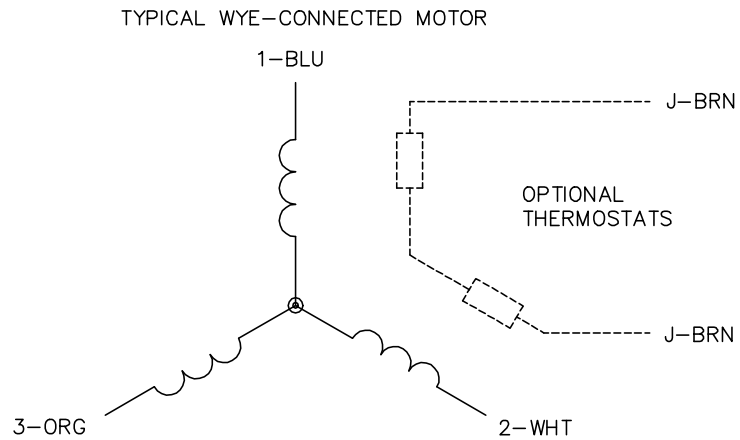
TORQUES (LB-FT): PO=231 PU=126 LR=140 LRA=158



9/12/2024 ACPERF, record # 68066



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		
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MTL: -	© □	

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

SH 1 of 1