

**BALDOR® • RELIANCE™**

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# Customer information packet

## IDM4117T

64M 6P TEBC HOR 326T INV DUTY T'STATS

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEBC
Frame	326T
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	30.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
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	39.000 A @ 460.0 V 78.000 A @ 230.0 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	39.0 a
Insulation Class	H

## Part detail

Revision	C
Type	AC
Mech. spec.	12T107
Base	
Status	PRD/A
Elec. spec.	12WGY812
Layout	12LYT107
Eff. date	01-13-2022
CD Diagram	CD0005
Poles	06
Leads	9#8
Proprietary	False
Created date	03-19-2019

<b>Inverter Code</b>	<b>Inverter Duty</b>
<b>KVA Code</b>	H
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Max Speed</b>	3900 rpm
<b>Motor Lead Quantity/Wire Size</b>	9 @ 8 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	1264M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	6
<b>Overall Length</b>	36.92 IN
<b>Power Factor</b>	78
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>RoHS Status</b>	ROHS COMPLIANT
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	2.125 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	Shaft Slinger
<b>Speed</b>	1180 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	Normally Closed Thermostat
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP1163L</b>	
<b>CAT NO</b>	IDM4117T
<b>SPEC.</b>	12T107Y812G1
<b>FRAME</b>	326T <b>HP</b> 30 TE
<b>VOLTS</b>	230/460
<b>MAG CUR</b>	34.4/17.2 <b>FLA</b> 78/39
<b>RPM</b>	1180 <b>RPM MAX</b> 3900
<b>HZ</b>	60 <b>PH</b> 3 <b>CLASS</b> H
<b>SER.F.</b>	1.00 <b>DES</b> A <b>SL HZ</b> 1
<b>NEMA-NOM-EFF</b>	93 <b>WK2</b> 12.2
<b>BLWR V</b>	PH      HZ      A
<b>RATING</b>	40C AMB-CONT
<b>DE BRG</b>	6312 <b>ODE BRG</b> 6311
<b>CC</b>	010A <b>SN</b>

**AC Induction Motor Performance Data**

Record # 47201

Typical performance - not guaranteed values

Winding: 12WGY812-R002		Type: 1264M	Enclosure: TEBC		
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
Rated Output (HP)	30	Full Load Torque	133 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	78/39	Breakdown Torque	370 LB-FT		
R.P.M.	1180	Pull-up Torque	179 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	217 LB-FT	
NEMA Design Code	A	KVA Code	H	Starting Current	245 A
Service Factor (S.F.)	1	No-load Current	17.2 A		
NEMA Nom. Eff.	93	Power Factor	78	Line-line Res. @ 25°C	0.22799 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	56°C	

**Load Characteristics 460 V, 60 Hz, 30 HP**

% of Rated Load	25	50	75	100	125	150
Power Factor	42	63	73	78	80	80
Efficiency	89	92.7	93.4	93.1	92.4	91.4
Speed	1196.5	1191.9	1188.3	1183.2	1178.2	1171.8
Line amperes	19.2	24.1	31	38.7	47.5	57.3

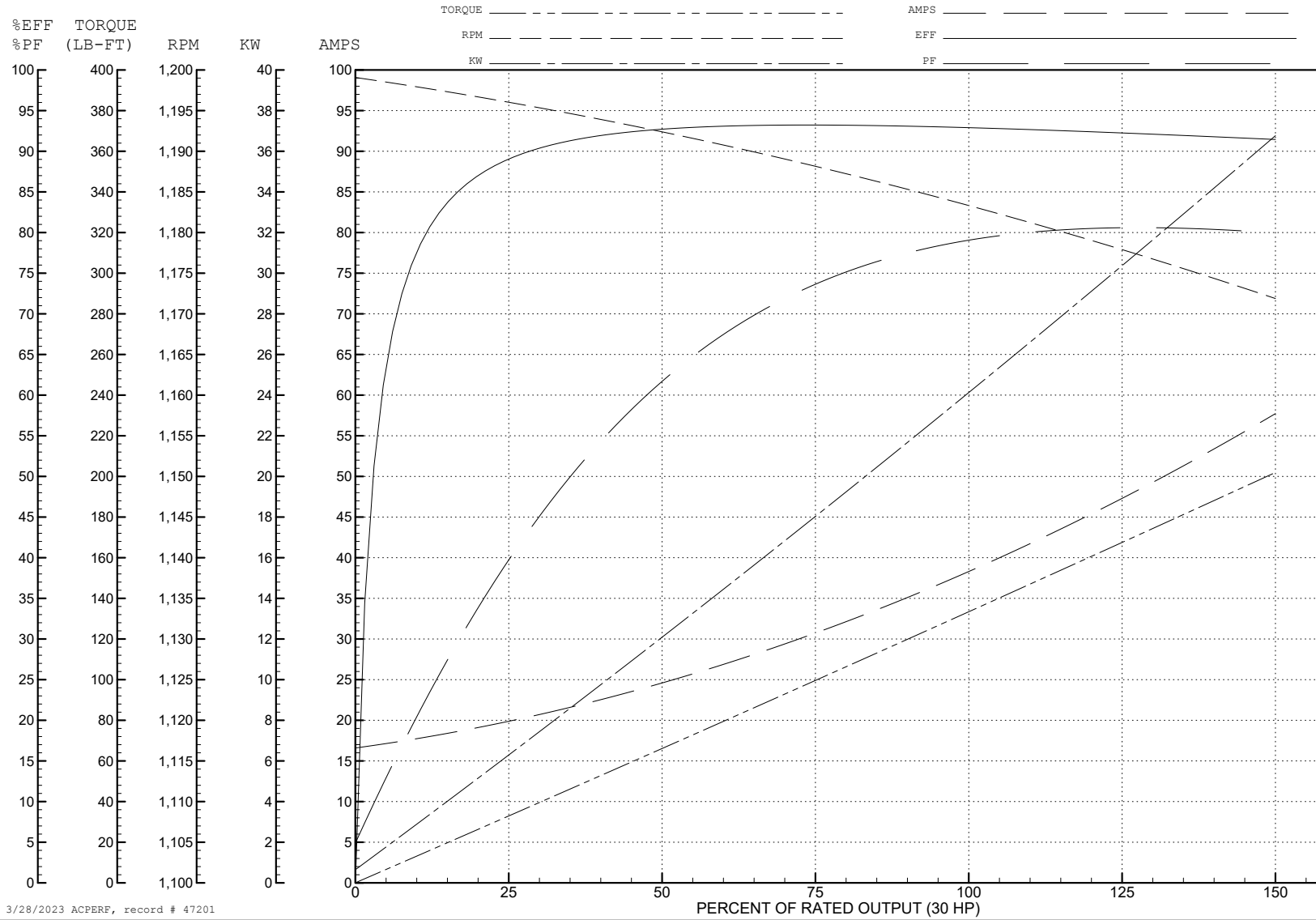
ABB Motors and Mechanical Inc.

WINDING # 12WGY812

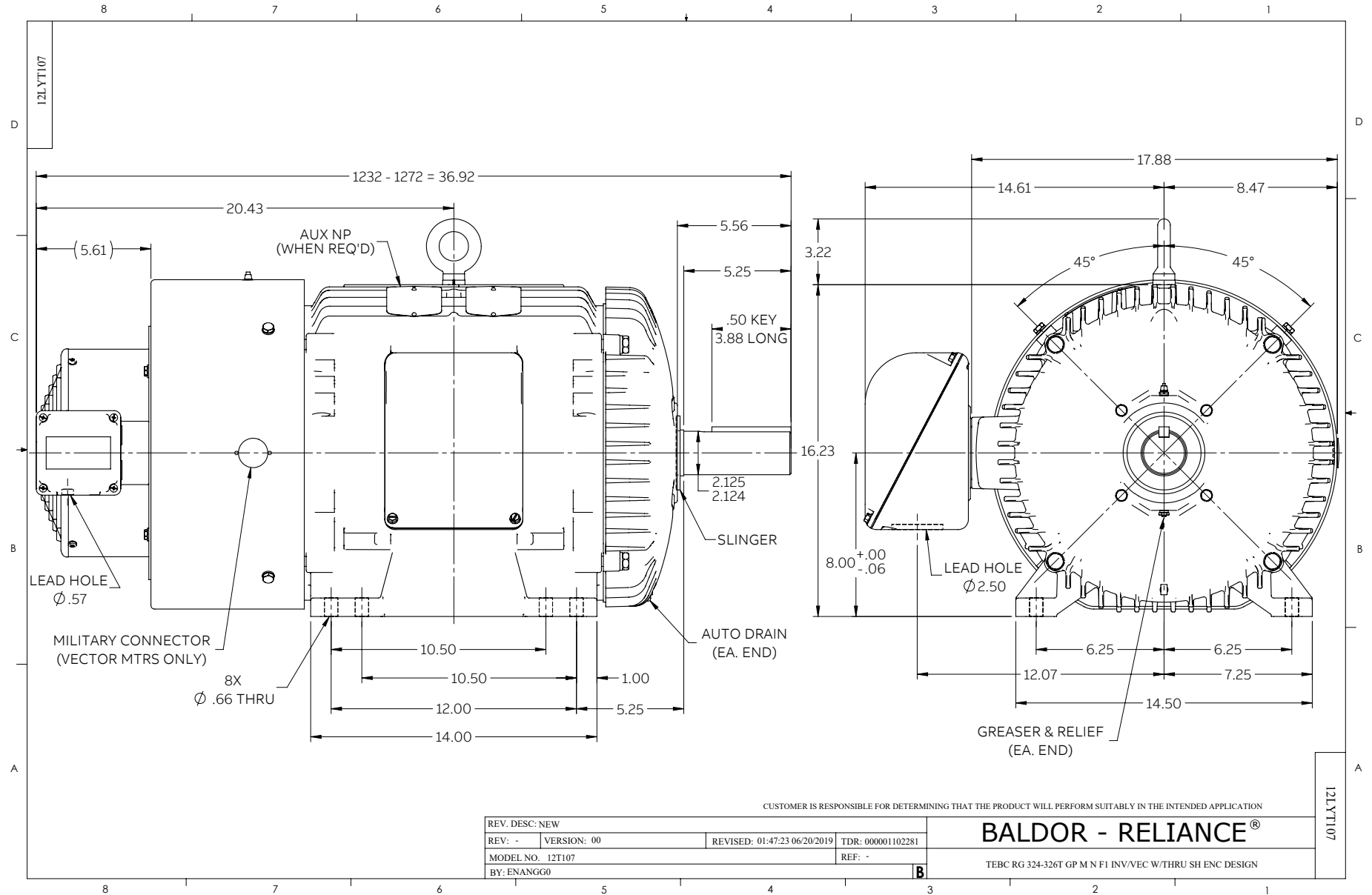
30 HP 3 PH 60 HZ 1180 RPM 460 V 1264M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=370 PU=179 LR=217 LRA=245



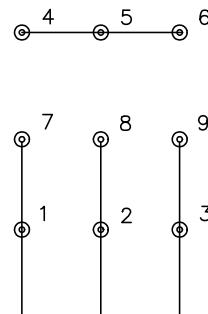
3/28/2023 ACPERF, record # 47201



CD0005

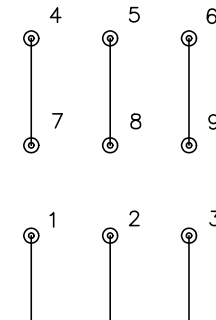


LOW VOLTAGE  
(2Y)



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