

ABB BALDOR RELIANCE III



Customer information packet EM2544T

50HP, 1185RPM, 3PH, 60HZ, 365T, 4466M, OPSB, F1

Specifications

Enclosure	OPSB
Frame	365T
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	50.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CURUSEEV NEMA PREMIUM NEMA PREMIUM (OLD LOGO)
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	132.000 A @ 208.0 V 62.000 A @ 460.0 V 124.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
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	62.0 a

Part Detail

Revision	T
Type	AC
Mech. spec.	44E196
Base	
Status	PRD/A
Elec. spec.	44WGW235
Layout	44LYE196
Eff. date	10-31-2024
CD Diagram	CD0180
Poles	06
Leads	9#6
Proprietary	False
Created date	05-10-2010

Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 6 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4466M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.72 IN
Power Factor	80
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	2.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1185 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

NP2138LUA											
CAT.NO.	EM2544T		P/N					ENCLOSURE	OPSB		
SPEC.	44E196W235G1	CC	010A	FRAME	365T	S/N					
HP	50		CLASS	F	HZ	60					
RPM	1185		PH	3	DES	B					
VOLT	230/460		KVA-CODE	G	ODE BRG	6312	DE BRG	6313			
AMP	124/62										
RATING	40C AMB-CONT		GREASE	POLYREX EM							
NEMA-NOM-EFF	94.1	PF	80	SER.F.	1.15						
	50Hz 50Hp 190/380V 148/74A					SF 1.0					
HTR-VOLTS	HTR-AMPS										

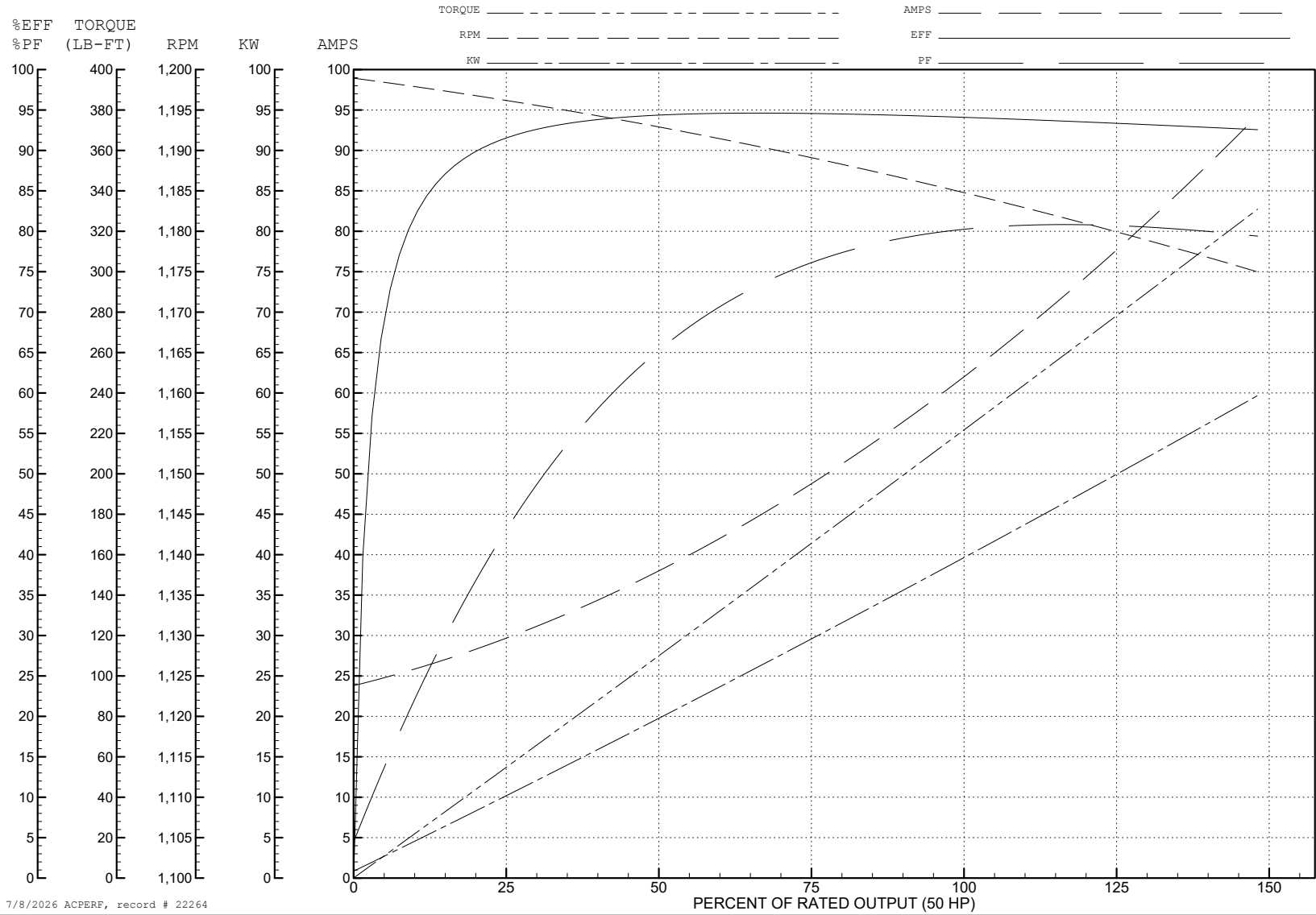
ABB Motors and Mechanical Inc.

WINDING # 44WG235

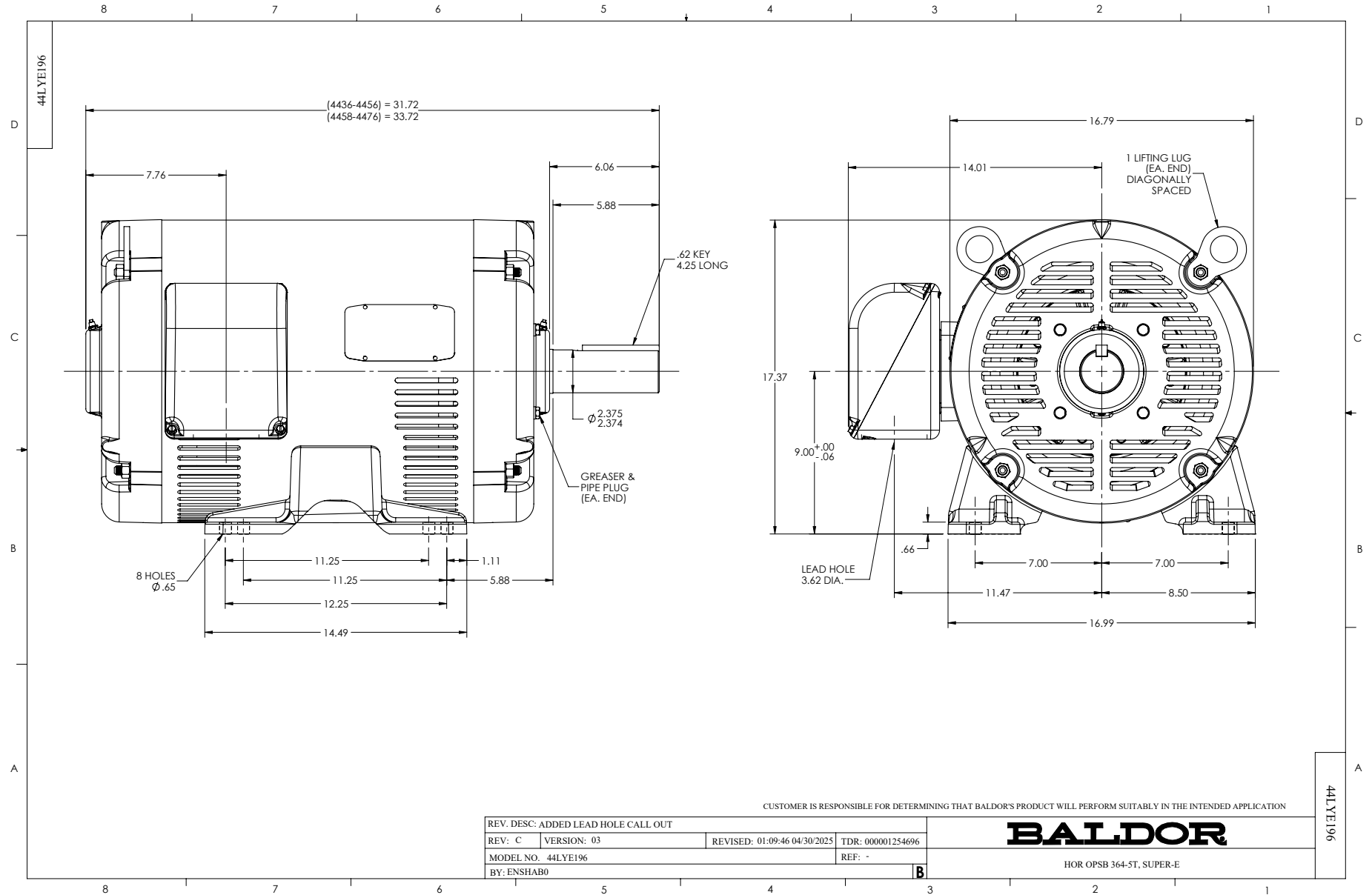
Typical performance - not guaranteed values.

50 HP 3 PH 60 HZ 1185 RPM 460 V 4466M

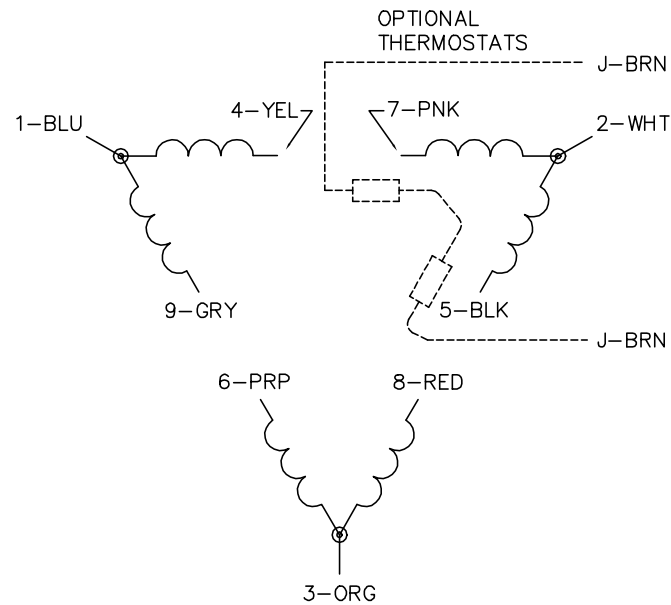
TORQUES (LB-FT): PO=669 PU=263 LR=343 LRA=391



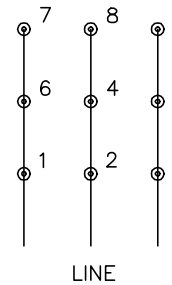
7/8/2026 ACPERF, record # 22264



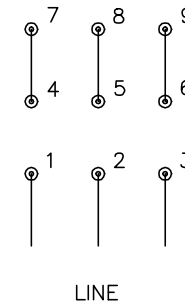
CD0180



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)



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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10: 25: 29 02/19/2019	BY: ENBRIRO
MTL: -	© □	

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1