BALDOR • RELIANCE

Customer information packet

HBAO3587T

2 AOHP, -RPM, 3PH, 60HZ, 145T, 0532M, TEAO, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	145T
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	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	CURUSEEV
	NEMA_PREMIUM
	WEEE
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	5.800 A @ 208.0 V
	5.600 A @ 230.0 V
	2.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Electrically Isolated Bearings
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

Part detail

Revision	K
Type	AC
Mech. spec.	05H189
Base	
Status	PRD/A
Elec. spec.	05WGW649
Layout	05LYH189
Eff. date	08-28-2025
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	09-21-2021

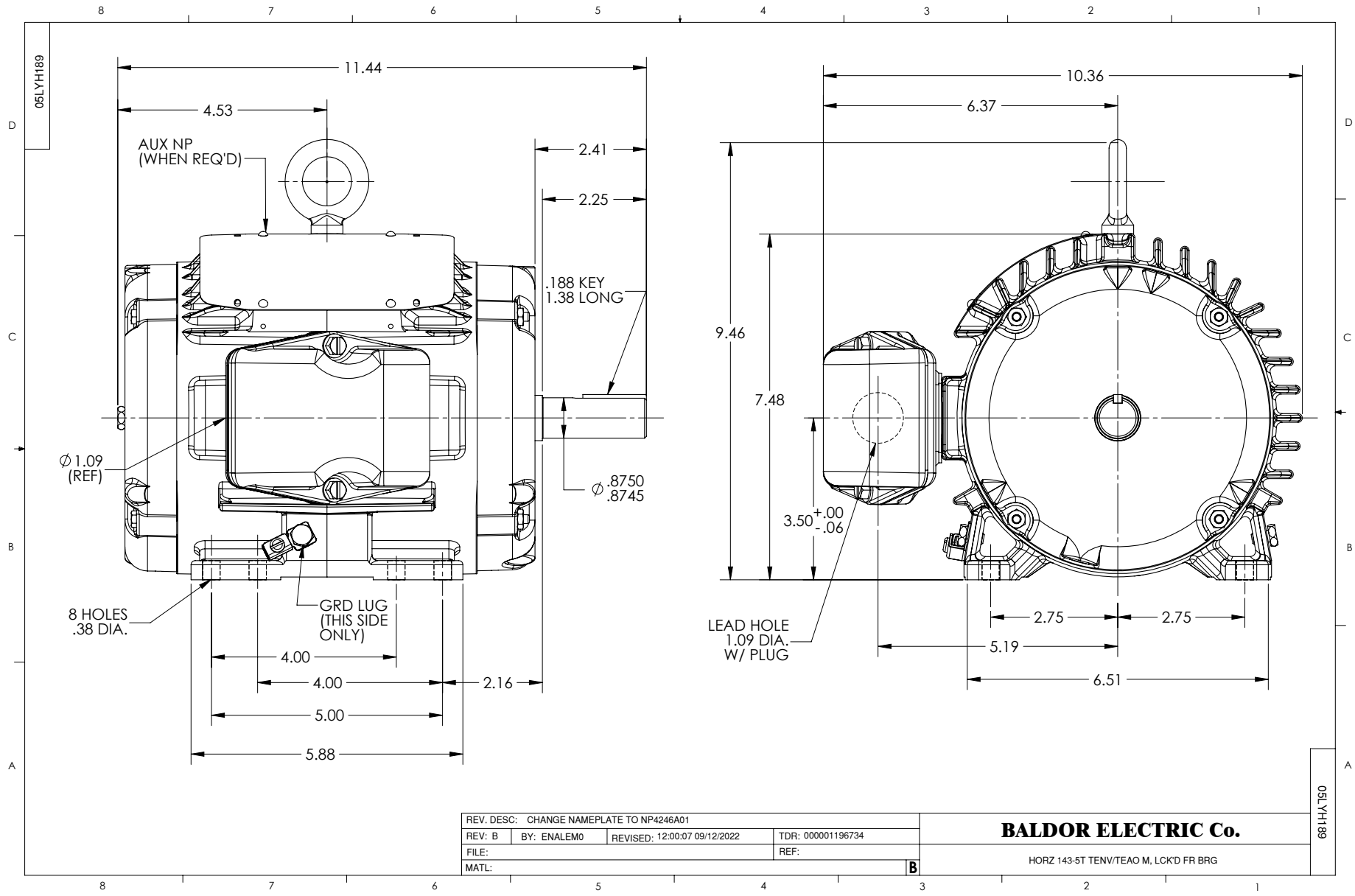
Heater Indicator	No Heater
High Voltage Full Load Amps	2.8 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0526M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.44 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No 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

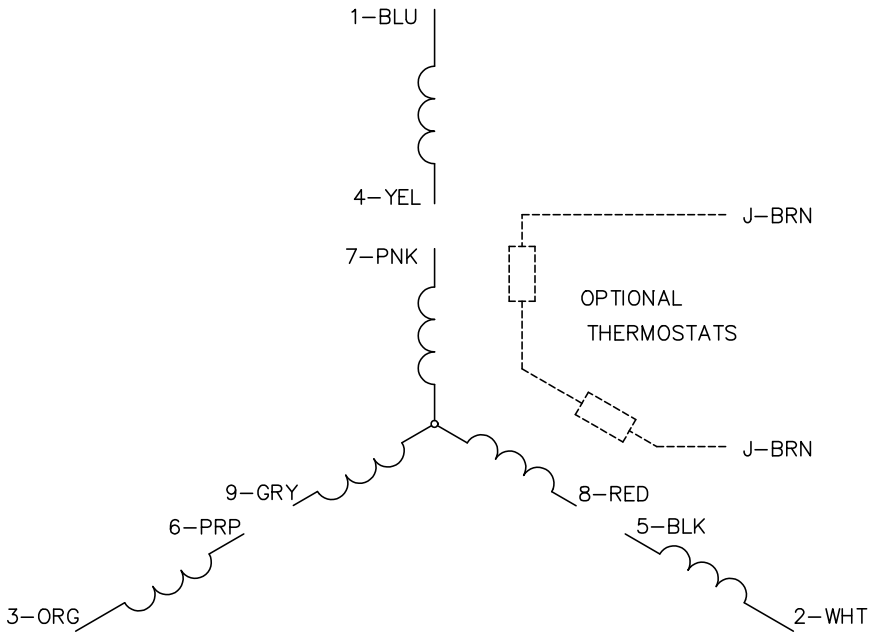
Nameplate

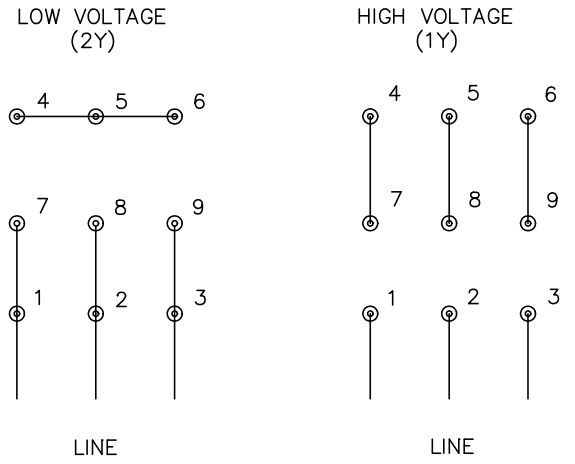
NP4312A01M05L

CAT #	HBAO3587T			**SER #**				**CC**			**WGT**	64	**LBS**				
SPEC	05H189W649G2			**RATING**	40C AMB-CONT												
HP		**VOLTS**		**AMPS**		**MAG CUR**		**CODE**	**RPM**		**DES**		**PF**	**NEMA NOM. EFF**			
2 AO		230/460		5.6/2.8		3.4/1.7		J	1760		B	82		86.5			
2.5 AO		230/460		6.8/3.4		3.3/1.15		J	1750		-	81		85.5			
PH	3	**CL**	H	**HZ**	60	**ENCL**	TEAO	**IP**	54	**SF**	1.15	AIR OVER					
DE BRG	6205			**ODE BRG**	6203			**FRAME**	145T								
INV TYPE:		**VPWM**		**SL HZ**	1.3	**CHP**	60	**TO**	90		1.5:1						
WK2	0.189	**LB FT2**		**MAX RPM**	2700	**CT**	6	**TO**	60		10:1						
						VT	3	**TO**	60		20:1						
SFA 6/3																	
YR:																	


05LYH189
11.44
4.53
AUX NP
(WHEN REQ'D)
2.41
2.25
.188 KEY
1.38 LONG
∅1.09
(REF)
∅.8750
.8745
8 HOLES
.38 DIA.
GRD LUG
(THIS SIDE
ONLY)
4.00
4.00
2.16
5.00
5.88
10.36
6.37
9.46
7.48
3.50 +.00 -.06
LEAD HOLE
1.09 DIA.
W/ PLUG
2.75
2.75
5.19
6.51
REV. DESC: CHANGE NAMEPLATE TO NP4246A01
REV: B
BY: ENALEM0
REVISED: 12:00:07 09/12/2022
TDR: 000001196734
FILE:
REF:
MATL:
B
BALDOR ELECTRIC Co.
HORZ 143-5T TENV/TEAO M, LCK'D FR BRG
05LYH189

CD0005





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			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS