ABB BALDOR RELIANCE

Customer information packet

10H545Y837G1

17HP, 1180RPM, 3PH, 60HZ, 286TDZ, 1054M, TEFC
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	286TDZ
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	17.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR
	CSA
Ambient Temperature	65 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Brake Torque	175.0 lb-ft
Current @ Voltage	24.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Front Face Code	Fan Housing Cover For Brake
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	24.0 a

Part Detail

Revision	U
Type	AC
Mech. spec.	10H545
Base	
Status	PRD/A
Elec. spec.	10WGY837
Layout	10LYH545
Eff. date	09-29-2025
CD Diagram	CD0006
Poles	06
Leads	3#10
Proprietary	False
Created date	05-12-2011

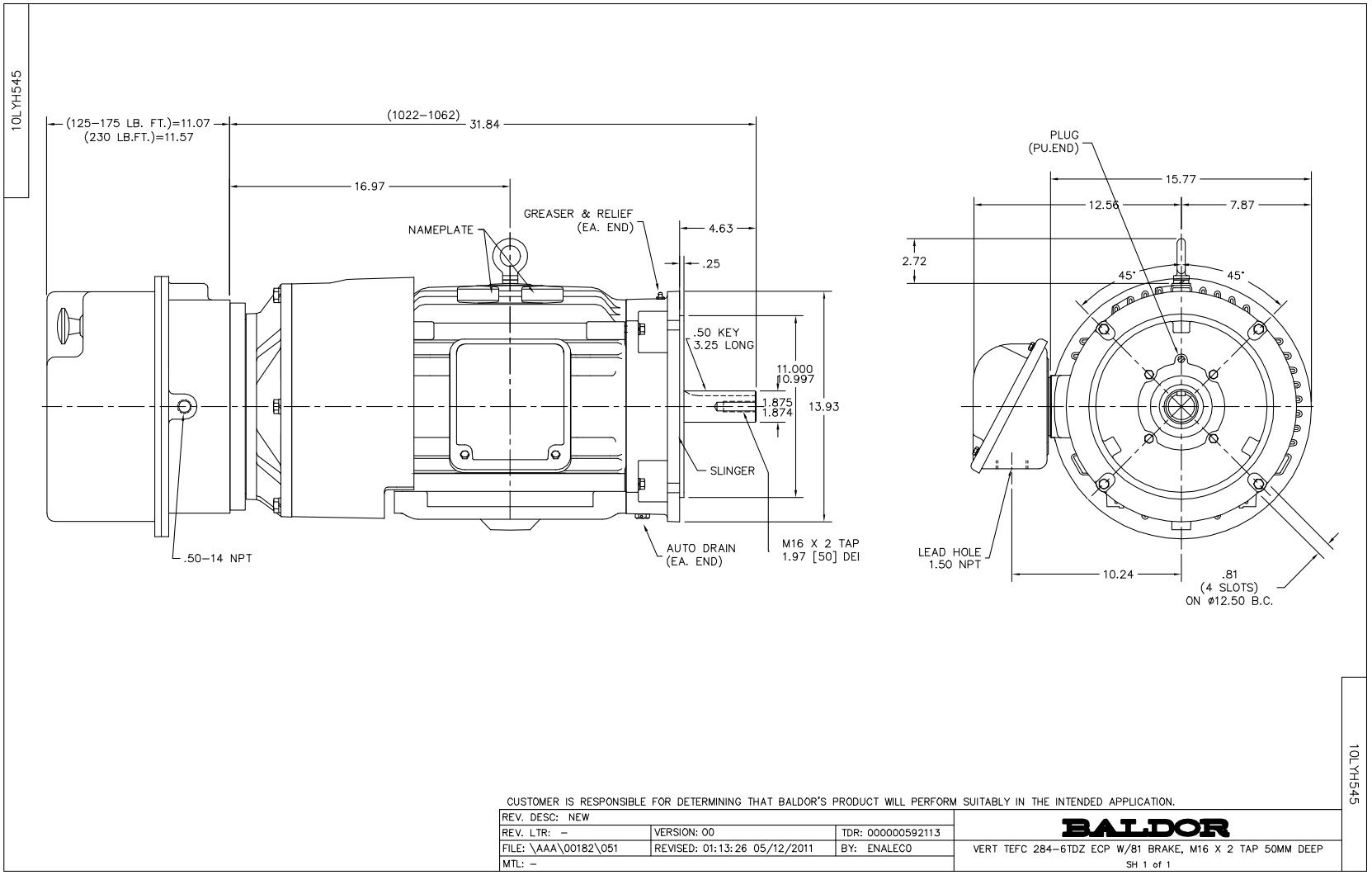
Insulation Class	H
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	4000 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1054M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	42.91 IN
Power Factor	73
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	D-Flange
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	1.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1180 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

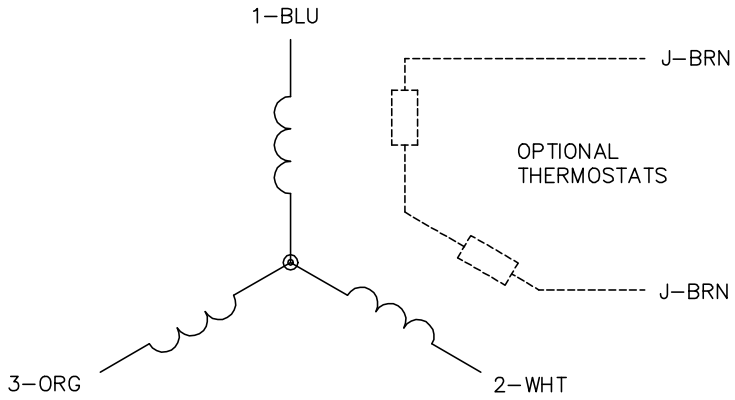
NP2741							
CAT NO	1.15SF ON SINEWAVE						
SPEC.	10H545Y837G1						
FRAME	286TDZ	**HP**	17 TE				
VOLTS	460						
MAG CUR	13.1	**FLA**	24				
RPM	1180	**RPM MAX**	4000				
HZ	60	**PH**	3	**CLASS**	H		
SER.F.	1.00	**DES**	A	**SL HZ**	1		
NEMA-NOM-EFF	91.7	**WK2**	6.61				
BLWR V		**PH**		**HZ**		**A**	
RATING	65C AMB-CONT						
DE BRG	6311	**ODE BRG**	6309				
CC	010A	**SN**					
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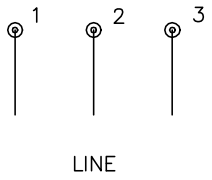
NP0090	
FRONT	6309
PULLEY	6311
LUBRICATE WITH	
GREASE	POLYREX EM


10LYH545
(125–175 LB. FT.)=11.07
(230 LB.FT.)=11.57
(1022–1062)
31.84
16.97
NAMEPLATE
GREASER & RELIEF
(EA. END)
4.63
.25
.50 KEY
3.25 LONG
11.000
10.997
1.875
1.874
13.93
SLINGER
.50–14 NPT
AUTO DRAIN
(EA. END)
M16 X 2 TAP
1.97 [50] DEI
PLUG
(PU.END)
15.77
12.56
7.87
2.72
45°
45°
LEAD HOLE
1.50 NPT
10.24
.81
(4 SLOTS)
ON ø12.50 B.C.
10LYH545
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: NEW
REV. LTR: –
VERSION: 00
TDR: 000000592113
FILE: \AAA\00182\051
REVISED: 01:13:26 05/12/2011
BY: ENALECO
MTL: –
BALDOR
VERT TEFC 284–6TDZ ECP W/81 BRAKE, M16 X 2 TAP 50MM DEEP
SH 1 of 1

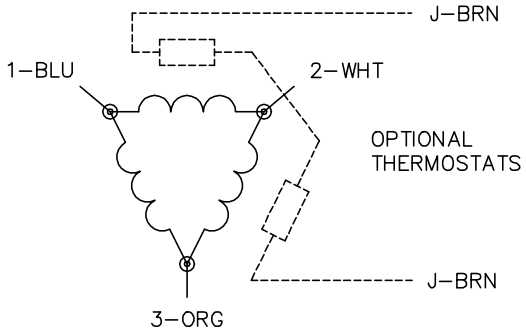
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



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

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REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

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

SH 1 of 1