ABB BALDOR RELIANCE

Customer information packet

IDVSM3665T-5

5HP, 1750RPM, 3PH, 60HZ, 184TC, 0640M, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	184TC
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	5.000 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
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	5.200 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Encoder/Feedback Device
Front Shaft Indicator	No Key Or Flat
Heater Indicator	No Heater
High Voltage Full Load Amps	5.2 a
Insulation Class	F
Inverter Code	Inverter Duty

Part Detail

Revision	G
Type	AC
Mech. spec.	06H926
Base	
Status	PRD/A
Elec. spec.	06WGW357
Layout	06LYH926
Eff. date	06-18-2026
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	07-28-2016

KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	6000 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0640M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	20.23 IN
Power Factor	80
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	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1750 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

NP4615L							
CAT NO	IDVSM3665T-5						
SPEC.	06H926W357G1				**ENCL**	TEFC	
FRAME	184TC		**HP**	5			
VOLTS	575						
MAG CUR	2.7		**FLA**	5.2			
RPM	1750		**RPM MAX**	6000			
HZ	60	**PH**	3	**CLASS**	F		
SER.F.	1.00		**SL HZ**	1.7			
NEMA-NOM-EFF	90.2		**WK2**	0.37			
RATING	40C AMB-CONT						
DE BRG	6206		**ODE BRG**	6206			
CC	010A	**SN**					
	1000:1 CT/VT						
	-						

				WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP VOLTS	575						
NP AMPS	5.2	Base Volt	575	R1	2.040	X1	4.350
HP	5	NL AMPS	2.70	R2	1.650	X2	3.400
BASE SPEED	1755	Slip (HZ)	1.50			XM	123.000
PHASE/HZ	3/60	WK^2 (lb-ft^2)	0.372				

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1755	5.0	15.0	575	60	5.1
Max Speed	2632	5.0	10.0	575	90	4.7
CT Min Speed	1.755	0.005	15.0	0.58	0.06	5.1

Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1799	0.0	0.0	575	60	2.7
1/4	1789	1.3	3.8	575	60	2.9
1/2	1778	2.5	7.5	575	60	3.4
3/4	1767	3.8	11.3	575	60	4.2
Full Load	1755	5.0	15.0	575	60	5.1
O/L	1705	10.0	30.9	575	60	9.7

Blower Data	Volts	Ph/Hz	FL Amps	LR Amps	Frame	CFM

Remarks: Calculated Data

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DR BY USBRRAN1
CK BY CD
APP BY USBRRAN1
DATE 11/1/2024

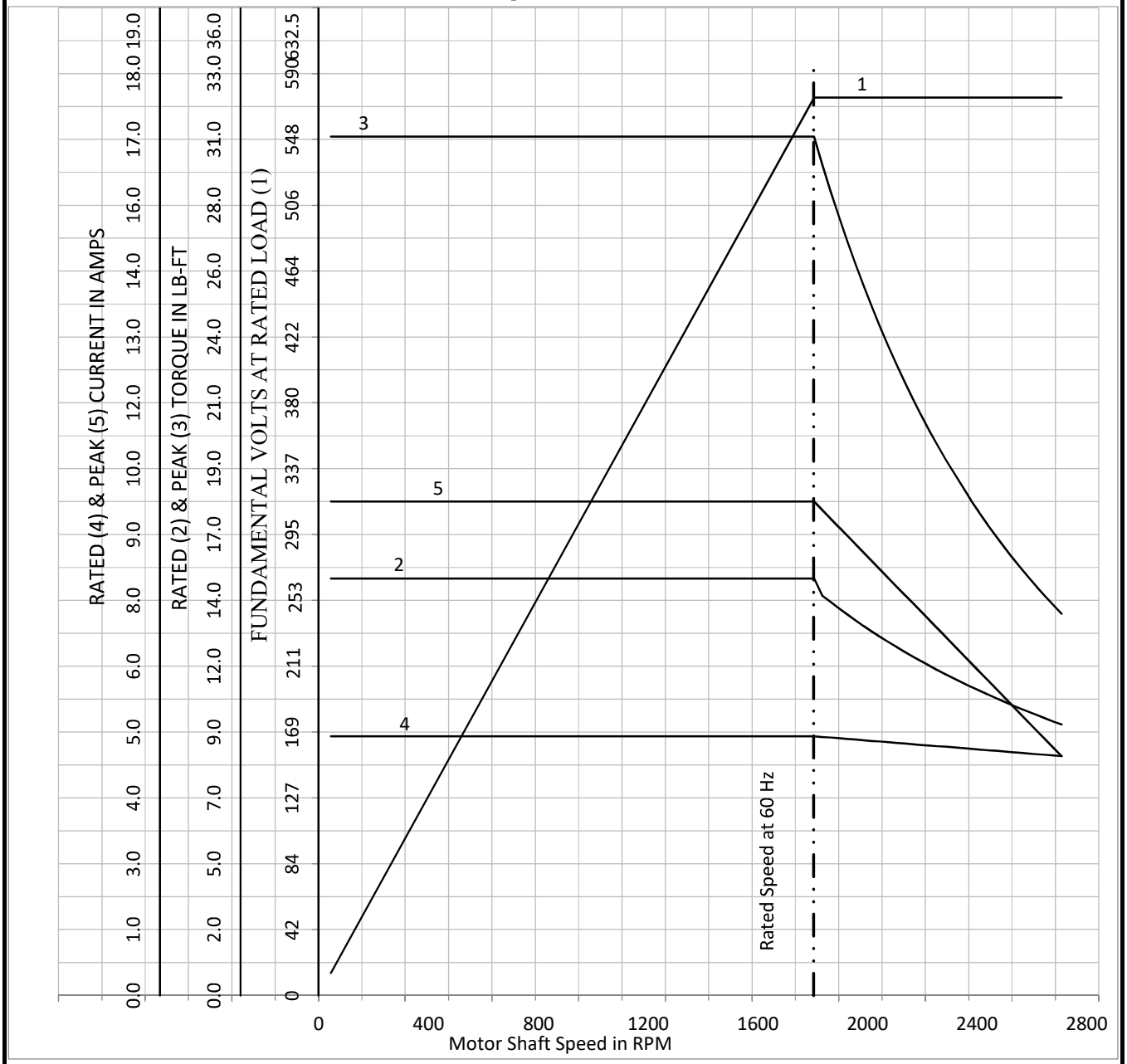
A-C MOTOR PERFORMANCE CURVES

06WGW357

Record: 58461

				WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP VOLTS	575			R1	2.040	X1	4.350
NP AMPS	5.2	Base Volt	575	R2	1.650	X2	3.400
HP	5	NL AMPS	2.70			XM	123.000
BASE SPEED	1755	Slip (HZ)	1.50				
PHASE/HZ	3/60	WK^2 (lb-ft^2)	0.372				

Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only

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A-C MOTOR PERFORMANCE CURVES

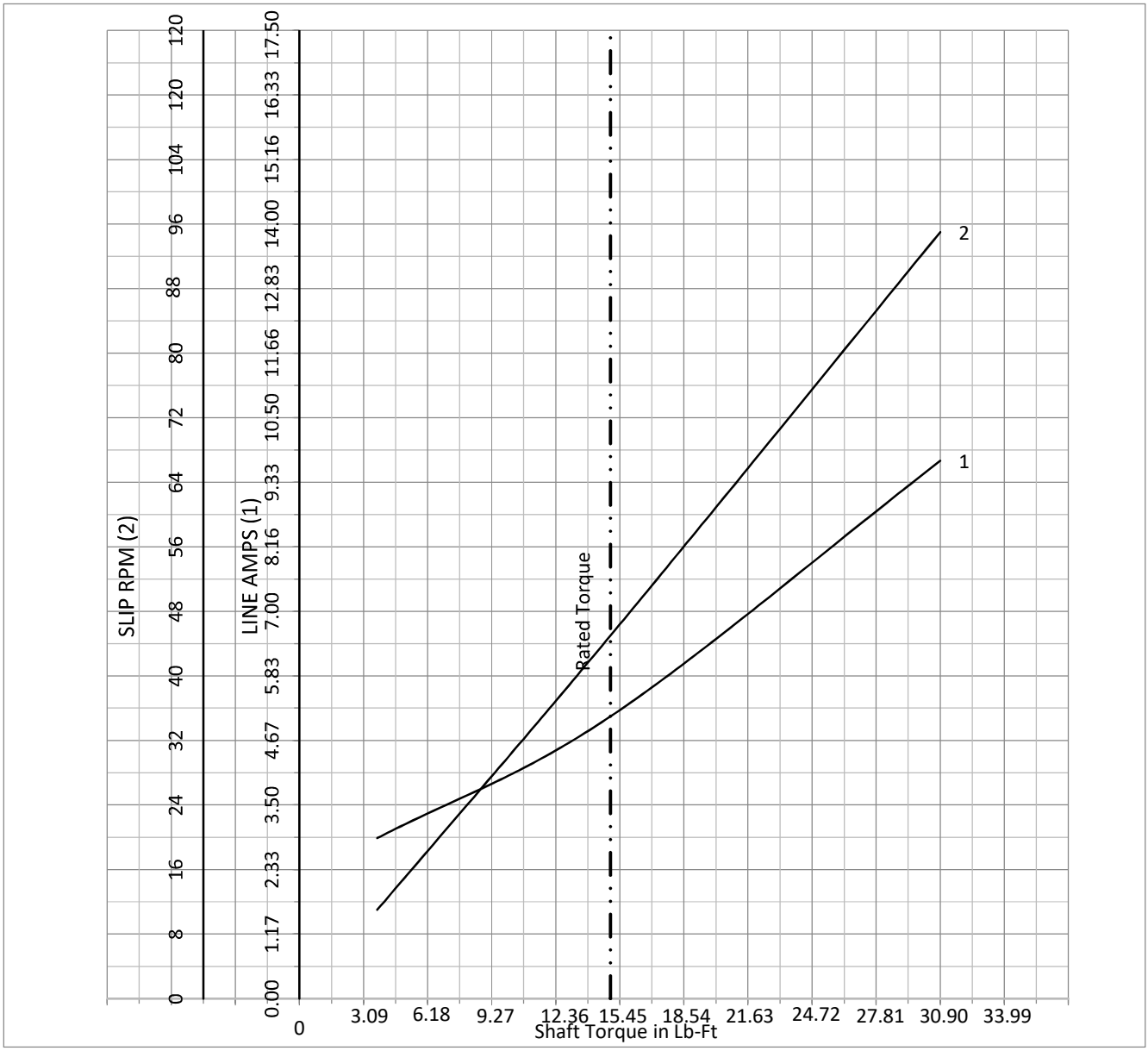
06WGW357

Record: 58461

NP VOLTS	575	0	0	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	5.2	Base Volt	575	R1	2.040	X1	4.350
HP	5	NL AMPS	2.70	R2	1.650	X2	3.400
BASE SPEED	1755	Slip (HZ)	1.50			XM	123.000
PHASE/HZ	3/60	WK2 (lb-ft2)	0.372				

Vector PWM Inverer Duty

Vaiable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only

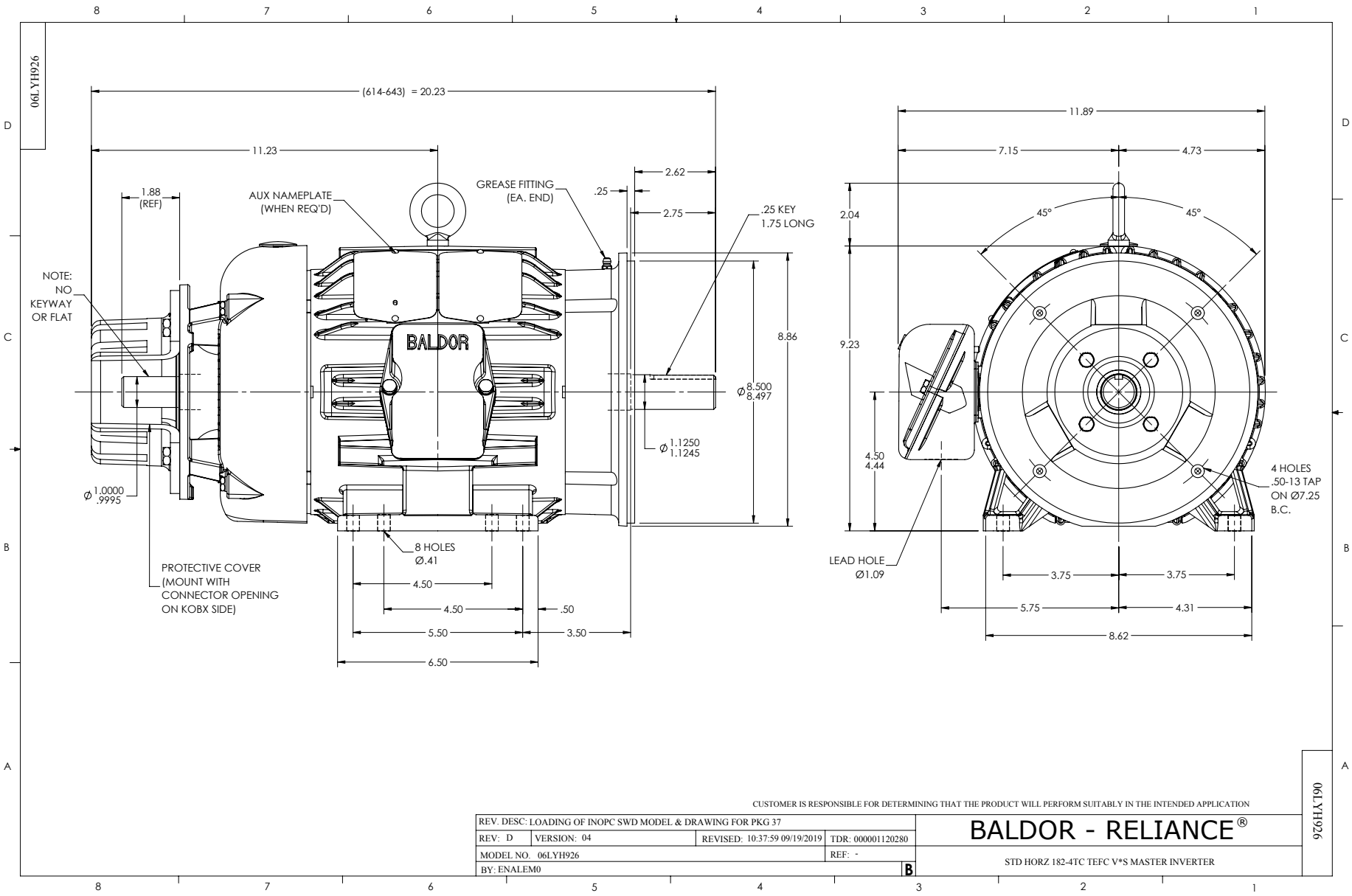
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DR BY USBRRAN1
CK BY CD
APP BY USBRRAN1
DATE 11/1/2024

A-C MOTOR PERFORMANCE CURVES

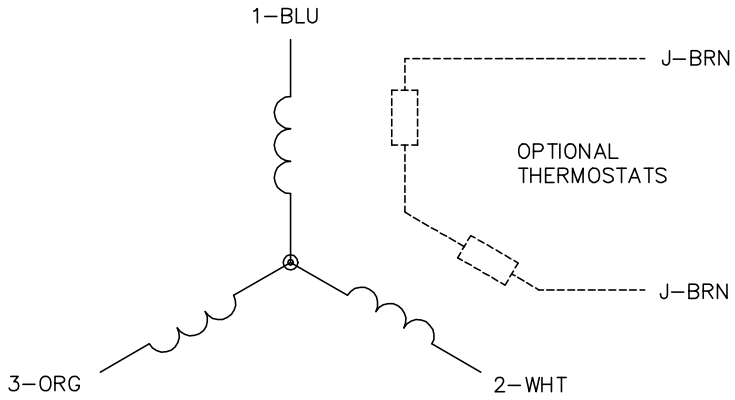
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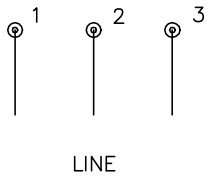
Record: 58461


06LYH926
(614-643) = 20.23
11.23
1.88 (REF)
AUX NAMEPLATE (WHEN REQ'D)
GREASE FITTING (EA. END)
.25
2.62
2.75
.25 KEY 1.75 LONG
NOTE: NO KEYWAY OR FLAT
BALDOR
8.86
Ø 8.500 8.497
Ø 1.1250 1.1245
Ø 1.0000 .9995
8 HOLES Ø.41
PROTECTIVE COVER (MOUNT WITH CONNECTOR OPENING ON KOBX SIDE)
4.50
4.50
.50
5.50
3.50
6.50
11.89
7.15
4.73
2.04
45°
45°
9.23
4.50 4.44
LEAD HOLE Ø1.09
4 HOLES .50-13 TAP ON Ø7.25 B.C.
3.75
3.75
5.75
4.31
8.62
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF INOPC SWD MODEL & DRAWING FOR PKG 37
REV: D
VERSION: 04
REVISED: 10:37:59 09/19/2019
TDR: 000001120280
MODEL NO. 06LYH926
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ 182-4TC TEFC V*S MASTER INVERTER
06LYH926

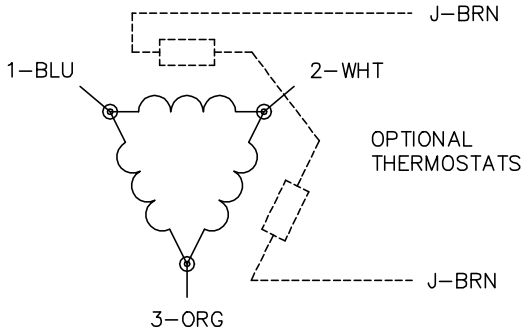
CD0006

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

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
MTL: –		

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

SH 1 of 1