Customer information packet

CEWDM3550

1.5HP, 3500RPM, 3PH, 60HZ, 56, C, 3528M, TENV, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TENV
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	UR
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	4.000 A @ 208.0 V
	4.000 A @ 230.0 V
	2.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	AW
Type	AC
Mech. spec.	35T964
Base	
Status	PRD/A
Elec. spec.	35WGR445
Layout	35LYT964
Eff. date	03-06-2026
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	06-22-2007

Heater Indicator	No Heater
High Voltage Full Load Amps	2.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	N
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.07 IN
Power Factor	87
Product Family	Wash Down
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3500 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

NP1669L								
CAT.NO.	CEWDM3550							
SPEC.	35T964R445G1							
HP	1.5							
VOLTS	230/460							
AMP	4/2							
RPM	3500							
FRAME	56C	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	N	**DES**	B	**CLASS**	F	
NEMA-NOM-EFF	85.5	**PF**	87					
RATING	40C AMB-CONT							
CC	010A							
DE	6205	**ODE**	6203					
ENCL	TENV	**SN**						
BLANK	10:1CT, 20:1VT, 1.00SF							

Parts List

Part number	Description	Quantity
SA131937	SA 35T964R445G1	1.000 ea
RA121911	RA 35T964R445G1	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
35CB3008A01G	SPL CONDUIT BOX, MACHINED GRAY	1.000 ea
35GS1039	05 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
35EP3122D00W	MASTER ODE,203 BRG,.125NPT DRNS(WHITE)	1.000 ea
HW4072A01	BLACK DRAIN PLUG FOR .125 NPT	3.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3307E00W	MASTER DE,205 BRG,1.623SH,.125NPT DRNS,C	1.000 ea
HW4072A01	BLACK DRAIN PLUG FOR .125 NPT	3.000 ea
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 ea
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 ea
35CB4522	35 LIPPED CB LID PRIMED	1.000 ea
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 ea
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 ea
HW4600B46	V-RING SLINGER 0.875 X 1.420 X .24 VITON	1.000 ea
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 ea
HA3100S07	THRUBOLT 10-32 X 8.375 SS	4.000 ea
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
LB1164	LABEL,WARNING AND DRAIN	1.000 ea
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1025W01	WILKOFAST, 781.01, SIGNAL WHITE #9003	0.017 ga
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 qt
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
NP1669L	SS WD SUPER-E UL PREM REV MTG	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea

PE-0000002	ZRTG PE ASSEMBLY	1.000 ea

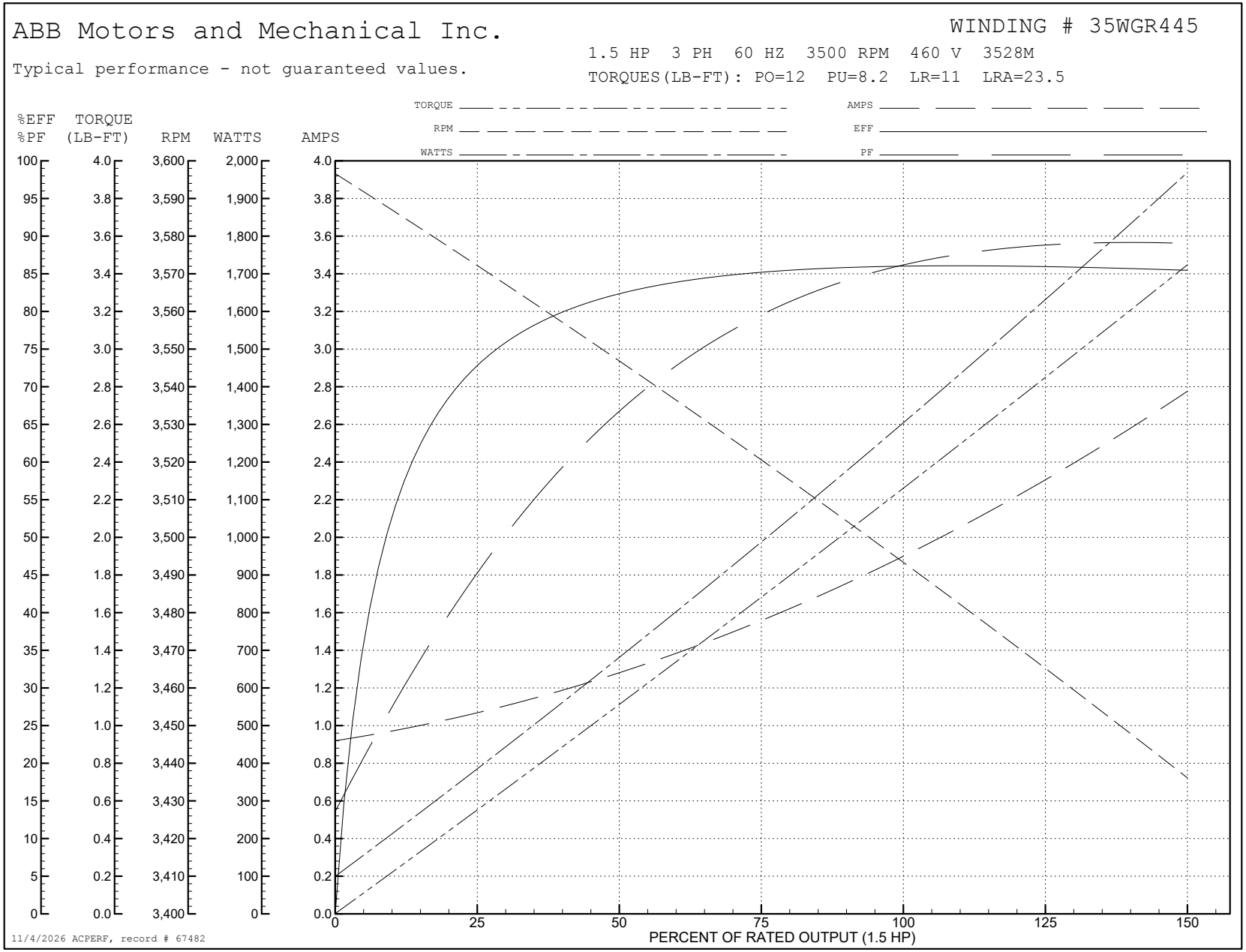
AC Induction Motor Performance Data
Record # 67482
Typical performance - not guaranteed values

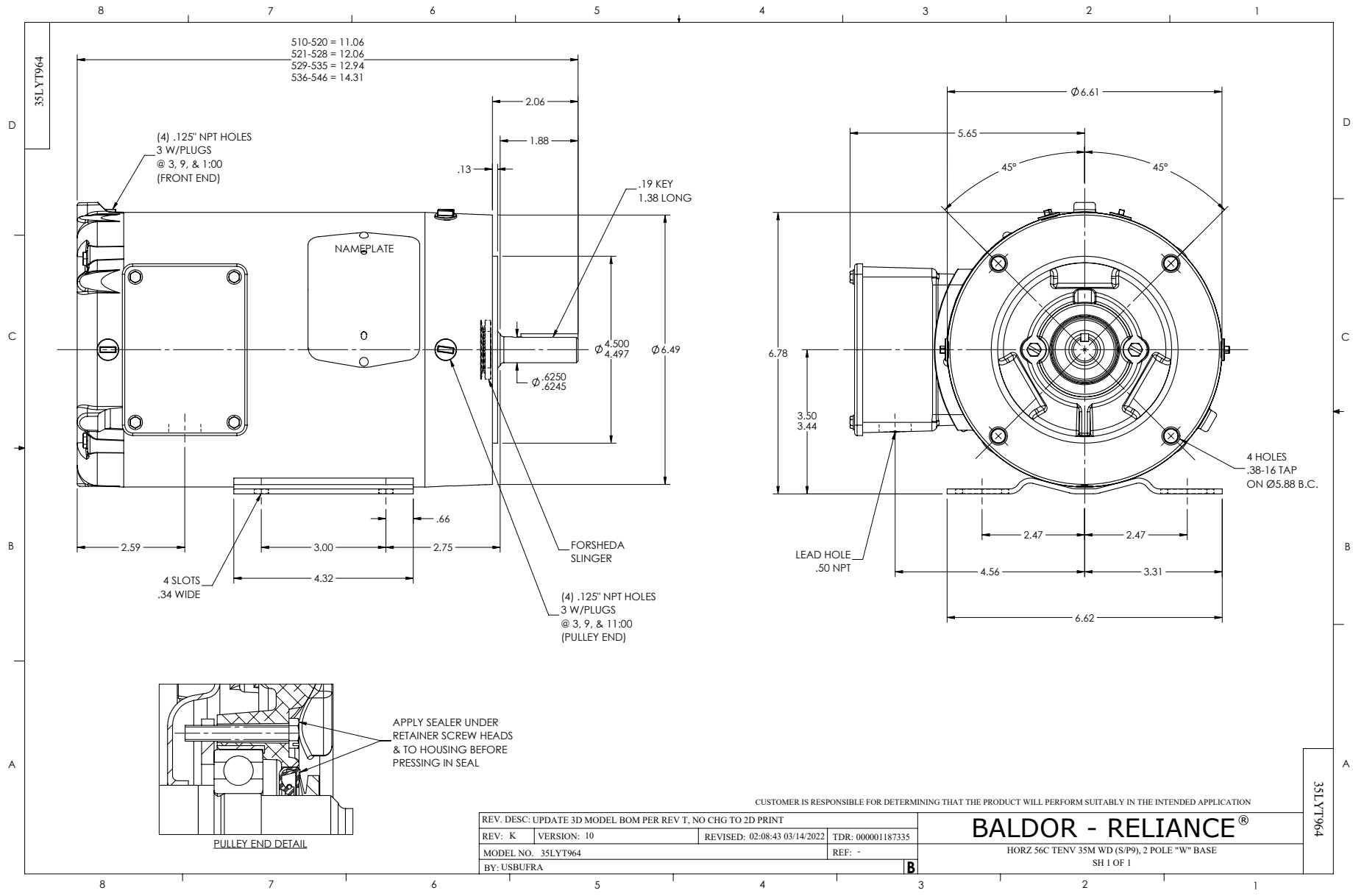
Winding: 35WGR445-R020	**Type:** 3528M	**Enclosure:** TENV

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	2.3 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			4/2	**Breakdown Torque**	12 LB-FT
R.P.M.			3500	**Pull-up Torque**	8.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	11 LB-FT
NEMA Design Code	B	**KVA Code**	N	**Starting Current**	23.5 A
Service Factor (S.F.)			1.15	**No-load Current**	0.9 A
NEMA Nom. Eff.	85.5	**Power Factor**	87	**Line-line Res. @ 25ºC**	6.95 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	73°C
S.F. Amps				**Temp. Rise @ S.F. Load**	84°C
				Locked-rotor Power Factor	48.4

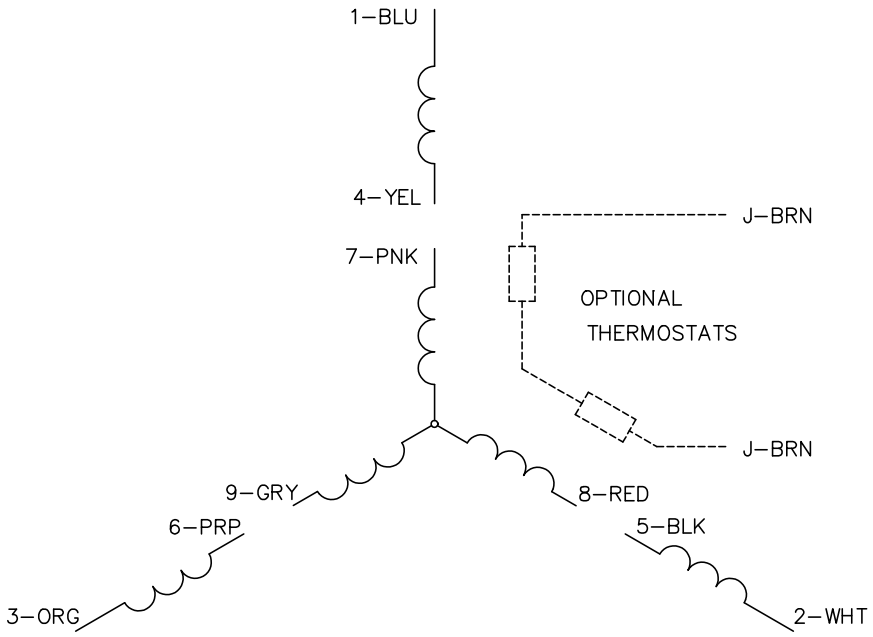
Load Characteristics 460 V, 60 Hz, 1.5 HP

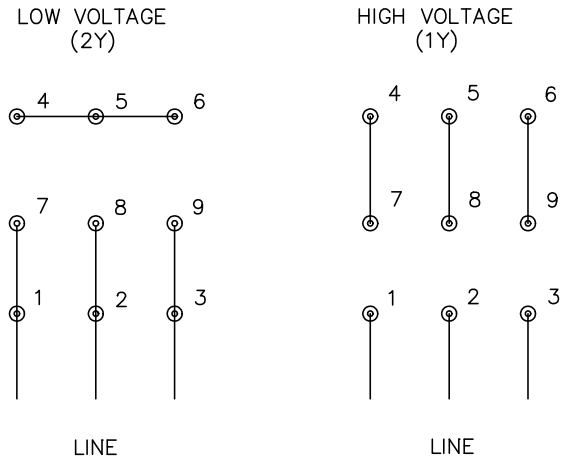
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	51	71	81	87	90	91	89
Efficiency	73.8	82.5	85.2	86.1	86	85.4	86
Speed	3568	3544	3519	3493	3466	3434	3477
Line amperes	1.1	1.3	1.6	1.9	2.3	2.8	2.14


ABB Motors and Mechanical Inc.
WINDING # 35WGR445
1.5 HP 3 PH 60 HZ 3500 RPM 460 V 3528M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=12 PU=8.2 LR=11 LRA=23.5
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.5 HP)
11/4/2026 ACPERF, record # 67482


35LYT964
510-520 = 11.06
521-528 = 12.06
529-535 = 12.94
536-546 = 14.31
2.06
1.88
.13
(4) .125" NPT HOLES
3 W/PLUGS
@ 3, 9, & 1:00
(FRONT END)
.19 KEY
1.38 LONG
NAMEPLATE
Ø 4.500
4.497
Ø 6.49
Ø .6250
.6245
.66
2.59
3.00
2.75
4.32
4 SLOTS
.34 WIDE
FORSHEDA
SLINGER
(4) .125" NPT HOLES
3 W/PLUGS
@ 3, 9, & 11:00
(PULLEY END)
Ø 6.61
5.65
45°
45°
6.78
3.50
3.44
4 HOLES
.38-16 TAP
ON Ø5.88 B.C.
LEAD HOLE
.50 NPT
2.47
2.47
4.56
3.31
6.62
APPLY SEALER UNDER
RETAINER SCREW HEADS
& TO HOUSING BEFORE
PRESSING IN SEAL
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV T, NO CHG TO 2D PRINT
REV: K
VERSION: 10
REVISED: 02:08:43 03/14/2022
TDR: 000001187335
MODEL NO. 35LYT964
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HORZ 56C TENV 35M WD (S/P9), 2 POLE "W" BASE
SH 1 OF 1
35LYT964

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