ABB BALDOR RELIANCE

Customer information packet

VPECP4313T

75HP, 3555RPM, 3PH, 60HZ, 365VP, TEFC, V1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	365VP
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	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA EEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	15-60
Current @ Voltage	161.000 A @ 230.0 V
	80.700 A @ 460.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	80.7 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Vertical Lifting Lugs

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0319
Layout	617438-428
Eff. date	10-24-2024
CD Diagram	416820-002
Poles	02
Leads	3#2,6#4
Proprietary	False
Created date	07-01-2015

Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A36068M
Mounting Arrangement	V1
Number of Poles	2
Overall Length	37.25 IN
Power Factor	92
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	P-Base
Service Factor	1.15
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3555 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L



NP3238												
CAT NO	VPECP4313T	**SPEC NO.**	A36-6893-0319									
HP	75	**AMPS**	161/80.7	**VOLTS**	230/460	**DESIGN**	B					
FRAME	365VP	**RPM**	3555	**HZ**	60	**AMB**	40	**SF**	1.15			
D.E. BRG.DATA	6313	**O.D.E. BRG.DATA**		**PH**	3	**DUTY**	CONT	**INSUL.CLASS**	F			
D.E. BRG.	65BC03JP30X	**TYPE**	P	**ENCL**	TEFC	**CODE**	G					
O.D.E. BRG.		**POWER FACTOR**	92	**NEMA NOM EFFICIENCY**	94.5							
3/4 LOAD EFF.		**MAX CORR KVAR**	5	**GUARANTEED EFFICIENCY**	93.6							
TEMP CODE	T3	**TEMP =**	200									
CHP HZ	60-90	**CT HZ**	15-60	**VT HZ**	0-60							
INVERTER-TEMP-CODE	T3											
SER.NO.		**MOTOR WEIGHT**										

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365TC	75	P	3/60	3555	230/460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
161/80.7	CONT	40/F	1.15	B	G	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
892019	418141005TE	---	---	.0186/.0744

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	15.5	3600	8.92	0
1/4	18.8	24.5	3589	77.9	92.0
2/4	37.5	40.8	3578	90.8	94.8
3/4	56.2	60.0	3567	92.2	95.3
4/4	75.0	80.7	3555	91.6	95.1
5/4	93.8	102	3542	90.9	94.6

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	218	242	536
PULL UP	1565	190	210	440
BREAKDOWN	3395	230	255	259
FULL LOAD	3555	100	111	80.7

AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: TYPICAL DATA
XE MOTOR-NEMA NOM. EFF. 94.5 %
GUARANTEED MIN. EFF. 93.6%

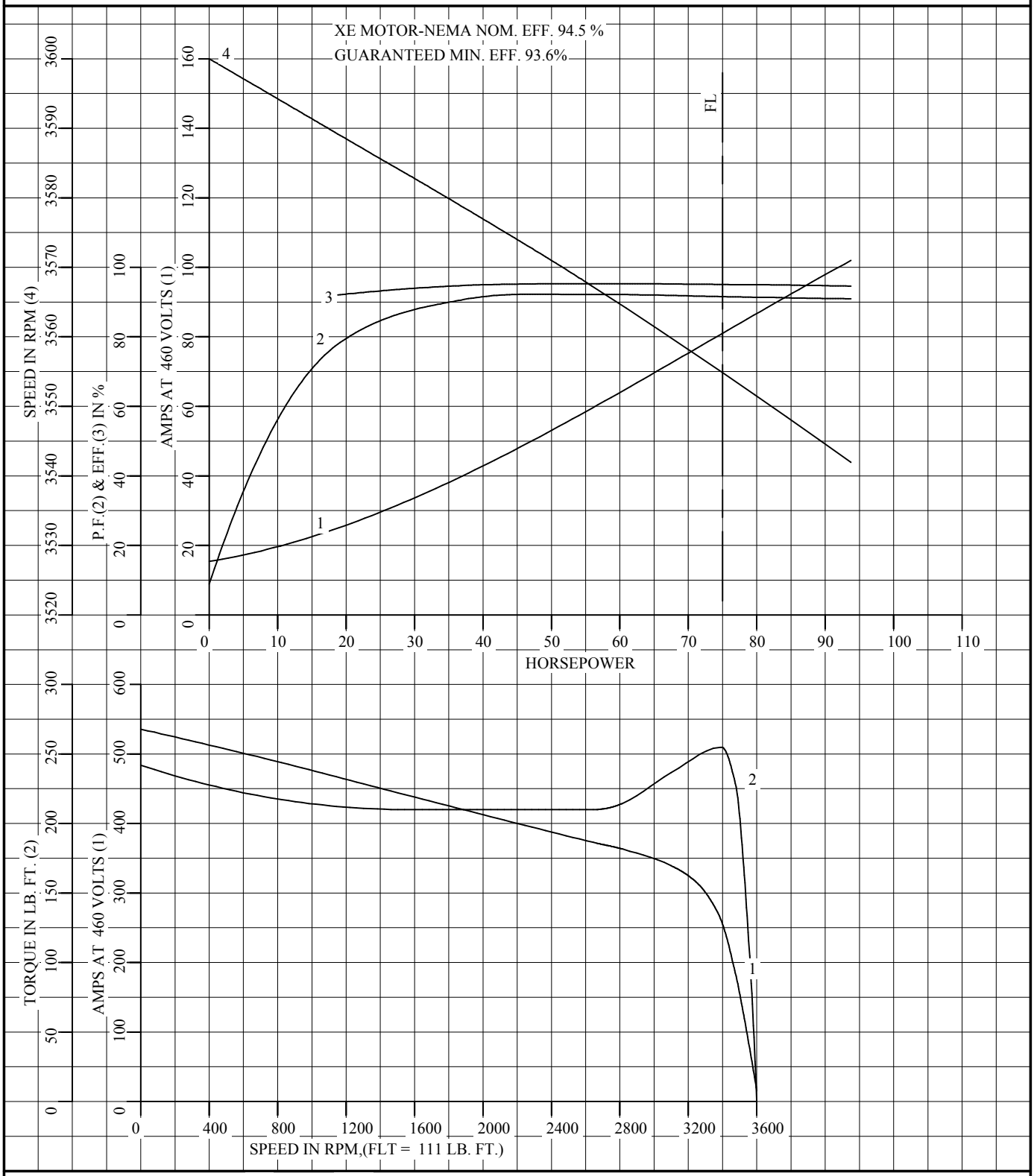
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY J.J.HARRISON
CK. BY G. R. WEBB
APP. BY W.L.SMITH
DATE 10/16/02

A-C MOTOR PERFORMANCE DATA

A36WG0319-R001
ISSUE DATE 04/14/21

REL S.O.	RPM 3555	S.F. 1.15	ROTOR 418141005TE
FRAME 365TC	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 75	AMPS 161/80.7	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C .0186/.0744
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 892019	OHMS (BETWEEN LINES)



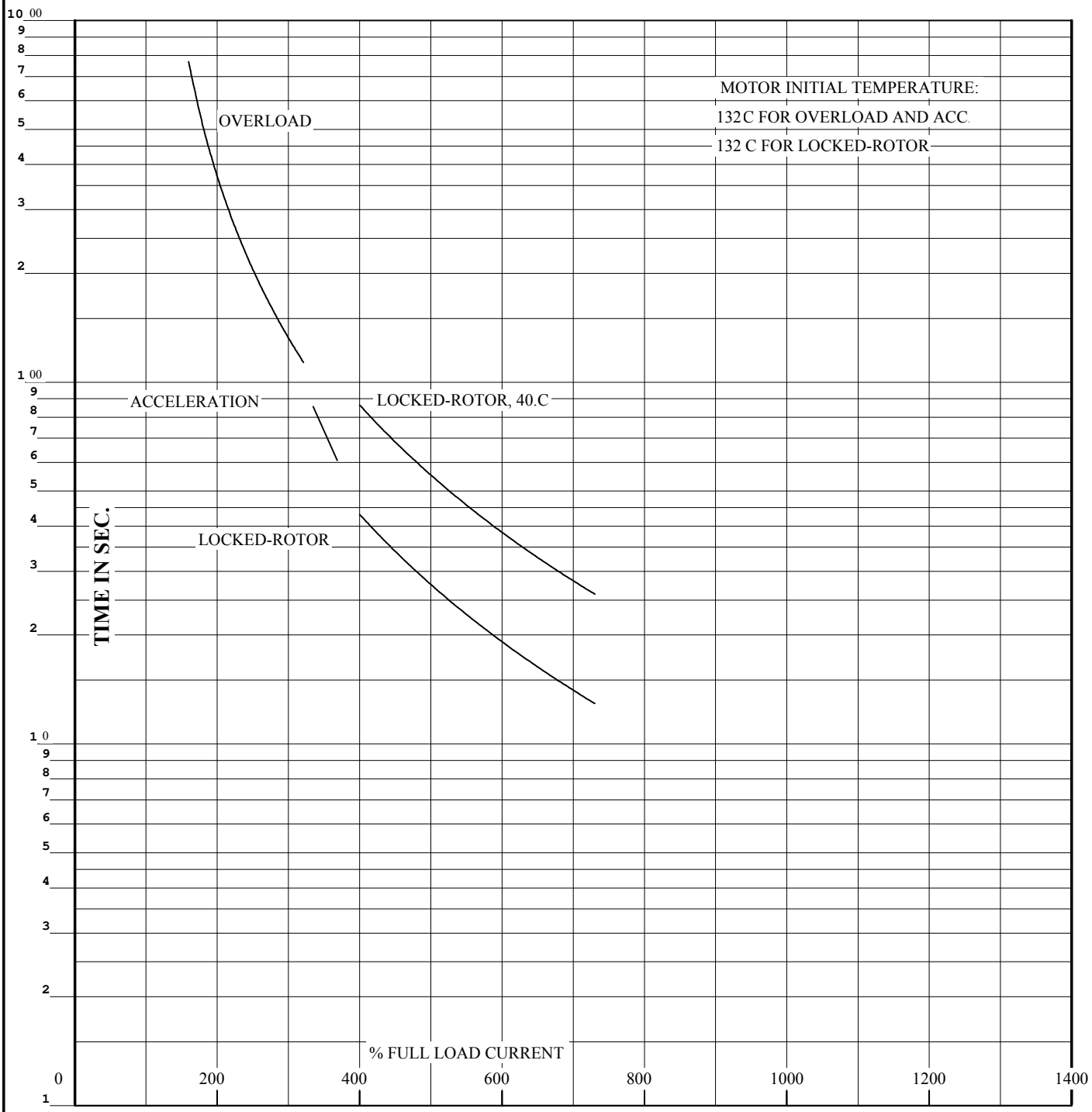
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

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A-C MOTOR PERFORMANCE CURVES A36WG0319-R001 ISSUE DATE 04/14/21

REL. S.O.	RPM 3555	S.F. 1.15	ROTOR 418141005TE
FRAME 365TC	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 75	AMPS 161/80.7	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃.0186/.0744
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/F	E/S 892019	OHMS (BETWEEN LINES)



REMARKS:

THERMAL LIMIT CURVE

XE MOTOR-NEMA NOM. EFF. 94.5 %

GUARANTEED MIN. EFF. 93.6%

AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR A MEMBER OF THE ABB GROUP

DR. BY	J.J.HARRISON
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DATE	10/16/02

A–C MOTOR PERFORMANCE CURVES

A36WG0319-R001

ISSUE DATE 04/14/21

DUTY MASTER ALTERNATING CURRENT MOTORS

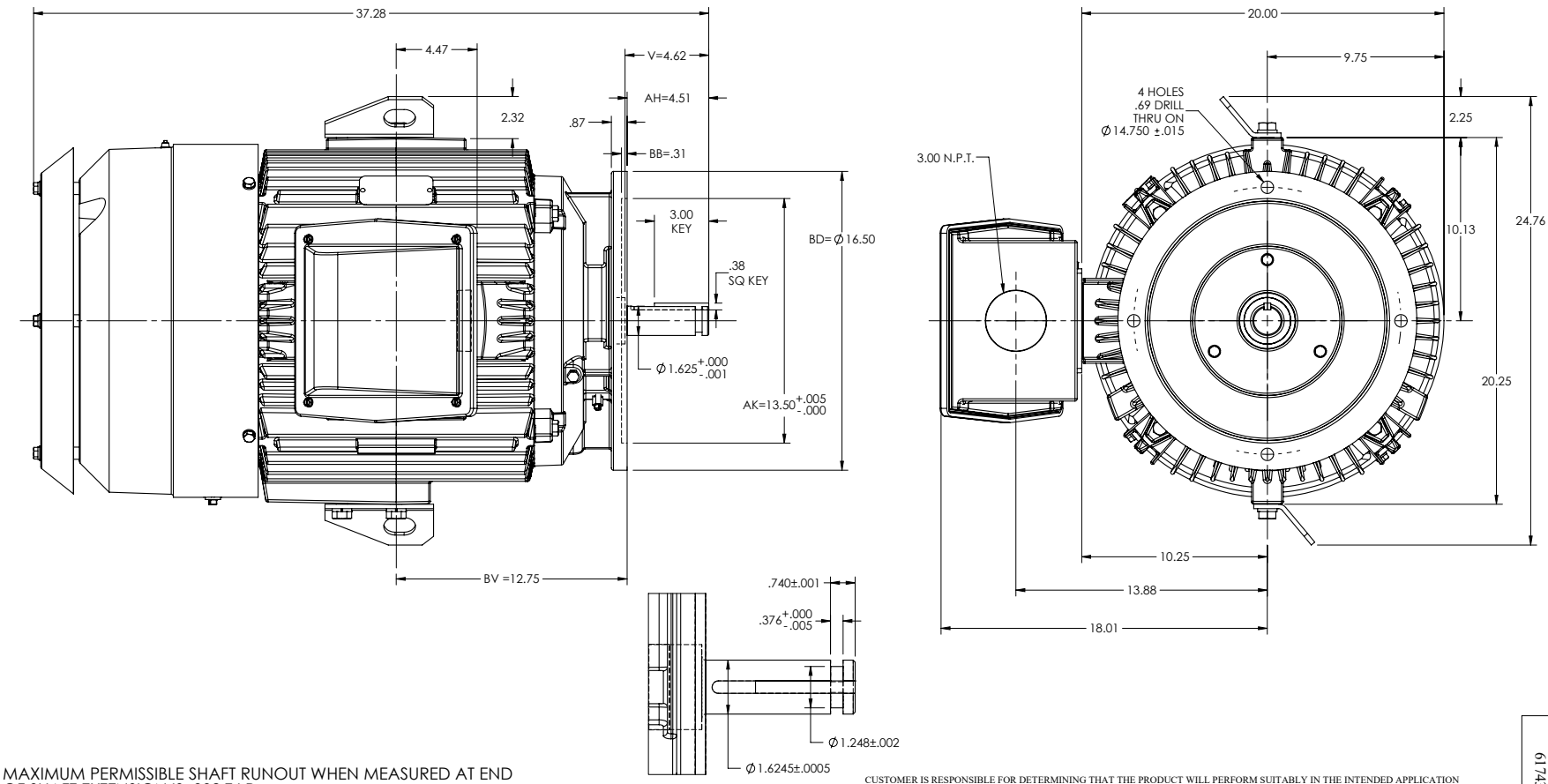
SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOTLESS, V-1

FRAMES 364VP-365VP
API THRUST DESIGN - CI BOX

COOLING: FAN COOLED

617438-428



MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF SHAFT EXTENSION IS .002 T.I.R.

WEIGHT (LBS): 1005
MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: REPLACED 611740-501-SH1 FOR P36G6574			
REV: -	VERSION: 00	REVISED: 08:46:14 09/26/2023	TDR: 000001217351
MODEL NO. 617438-428			REF: -
BY: USALMAZ			B

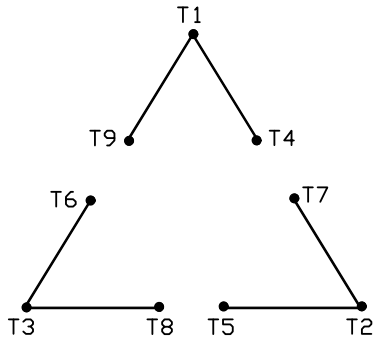
BALDOR - RELIANCE

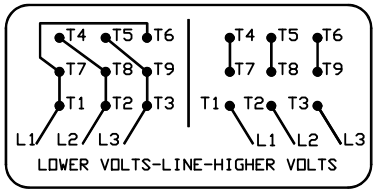
365VP TEFC V1 FT CI 2X3" -

617438-428

416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED





(N. P. 1575-B)

REV. DESC: ADJUST TEXT DARKNESS		
REV. LTR: B	VERSION: 02	TDR: 000001285318
FILE: \RAG\00022\453	REVISED: 09:36:26 09/24/2026	BY: USJOSUL
MTL: -		

ABB

CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

SH1 of 1

416820-002