



Customer information packet

VPECP4313T

75HP, 3555RPM, 3PH, 60HZ, 365VP, TEFC, V1

Class - None

Division - Not Applicable

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

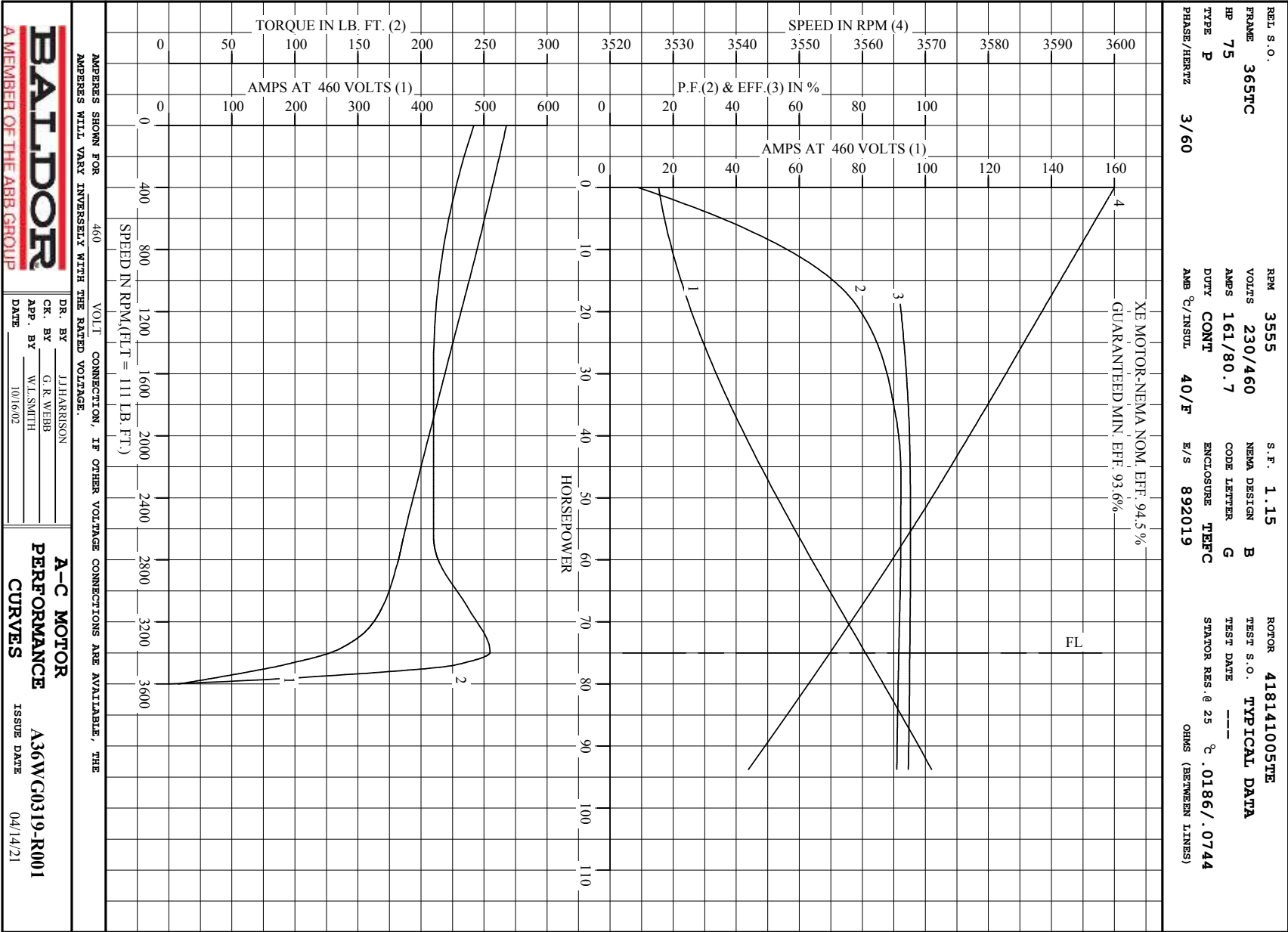
NP2496L



NP3238

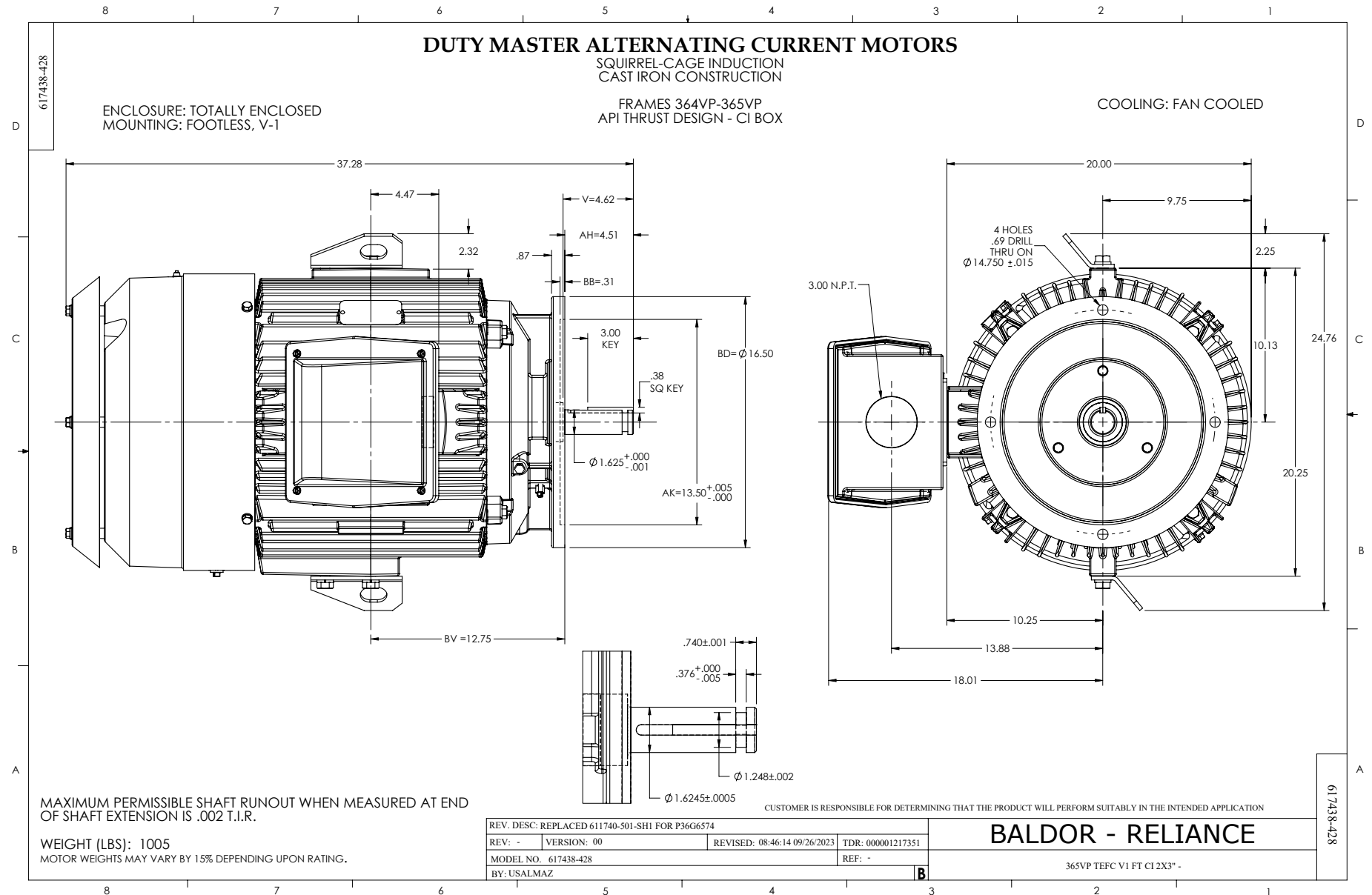
CAT NO	VPECP4313T				SPEC NO.		A36-6893-0319							
HP	75	AMPS	161/80.7		VOLTS		230/460		DESIGN	B				
FRAME	365VP	RPM	3555	HZ	60	AMB	40	SF	1.15					
D.E. BRG.DATA	6313		O.D.E. BRG.DATA						PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	65BC03JP30X				TYPE	P	ENCL	TEFC	CODE	G				
O.D.E. BRG.					POWER FACTOR			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-C MOTOR PERFORMANCE DATA		
DR. BY J. J. HARRISON CR. BY G. R. WEBB APP. BY W. L. SMITH DATE 10/16/02				A36WG0319-R001 ISSUE DATE 04/14/21		
A MEMBER OF THE ABB GROUP						



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416820-002

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



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
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BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
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