



Customer information packet

VHECP4313T

75HP, 3550RPM, 3PH, 60HZ, 365HP, 1464M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	365HP
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	Bracket Mounted
Bearing Grease Type	Polyrex EM (-20F +300F)
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
Heater Indicator	No Heater
High Voltage Full Load Amps	80.7 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA

Part detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0761
Layout	617428-035
Eff. date	03-30-2016
CD Diagram	416820-002
Poles	02
Leads	3#2,6#4
Proprietary	False
Created date	10-19-2010

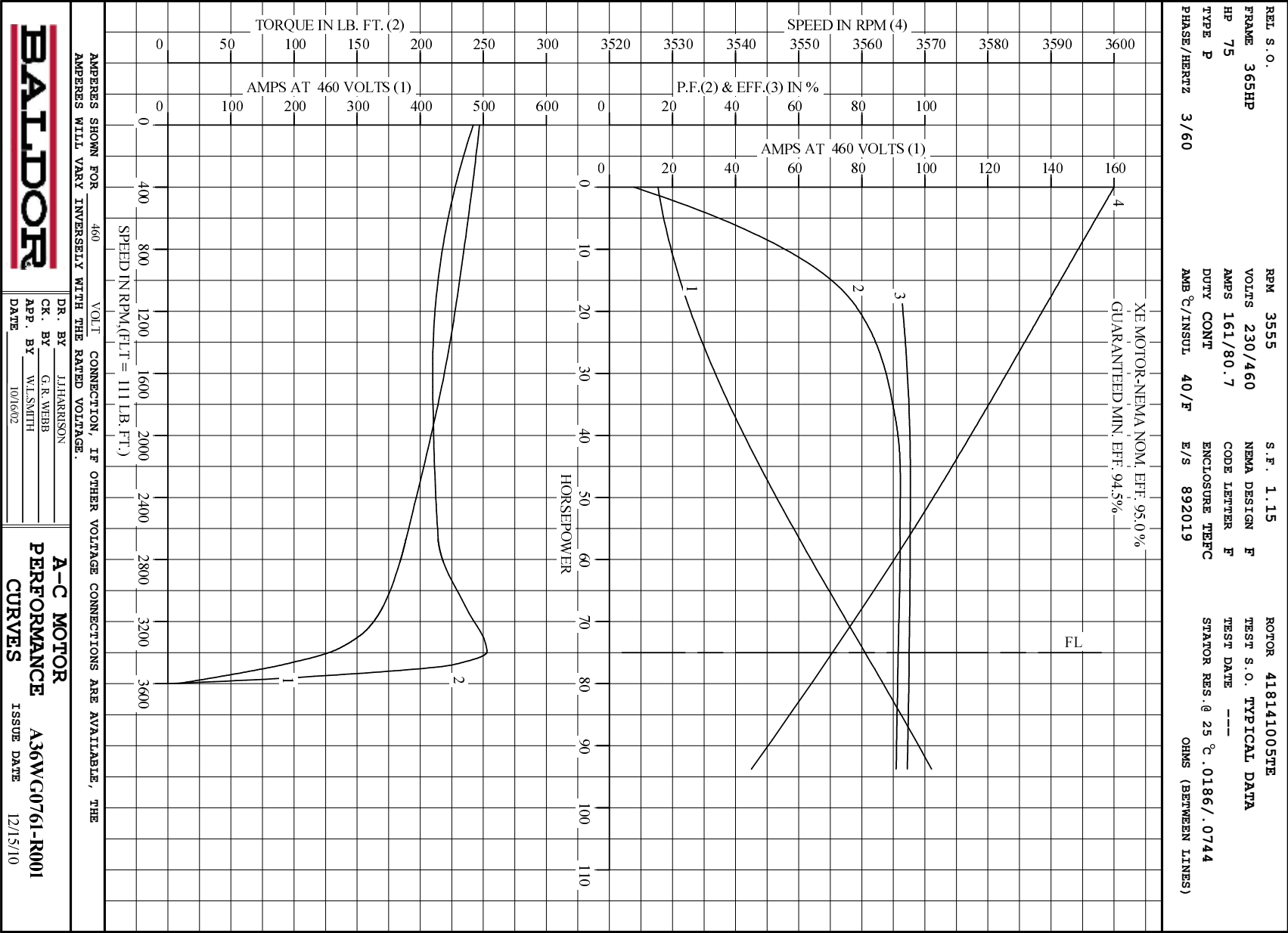
Motor Type	A36068M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	35.36 IN
Power Factor	92
Pulley End Bearing Type	Ball
Pulley Face Code	P-Base
Service Factor	1.15
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3555 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

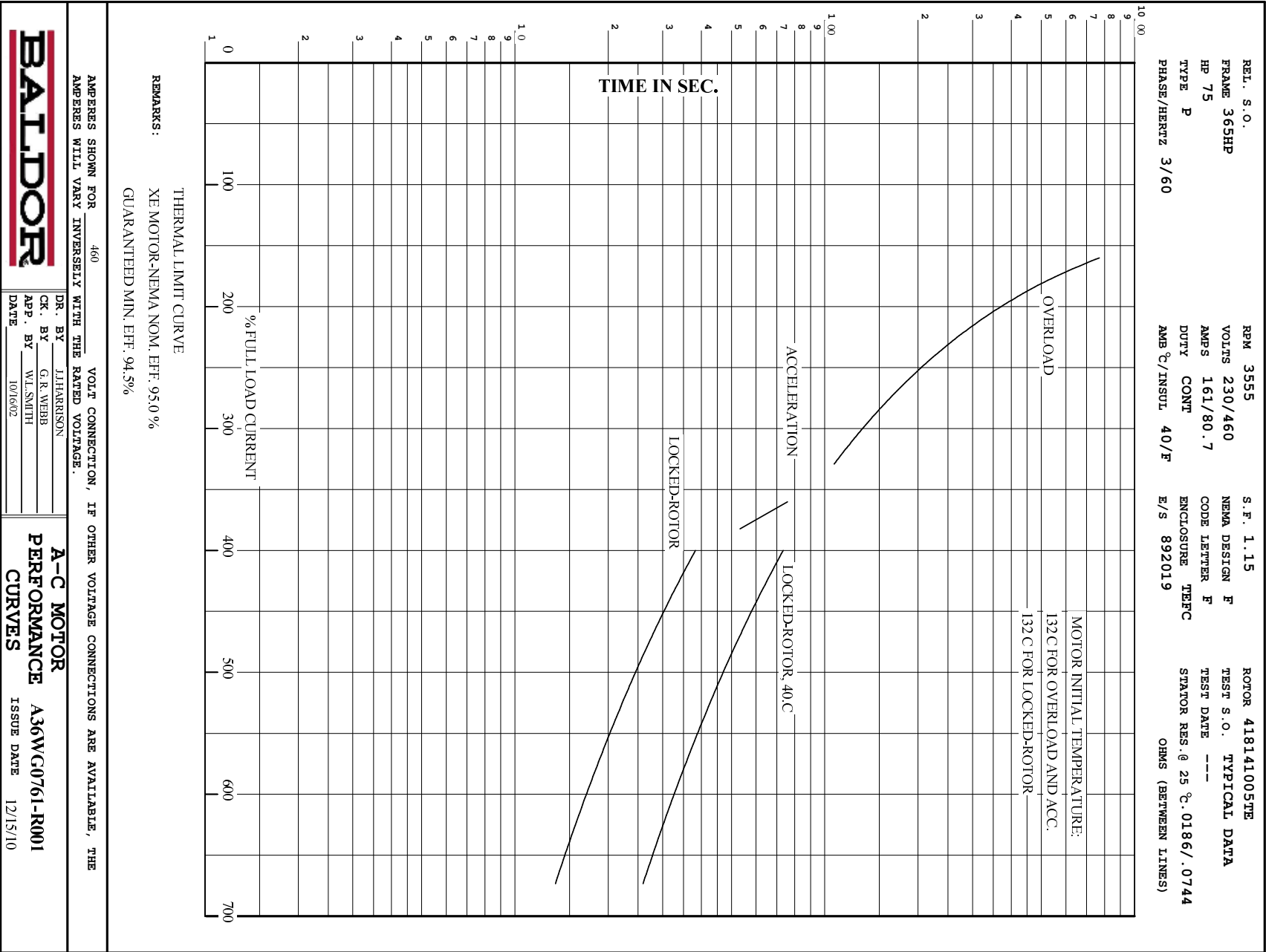
Nameplate

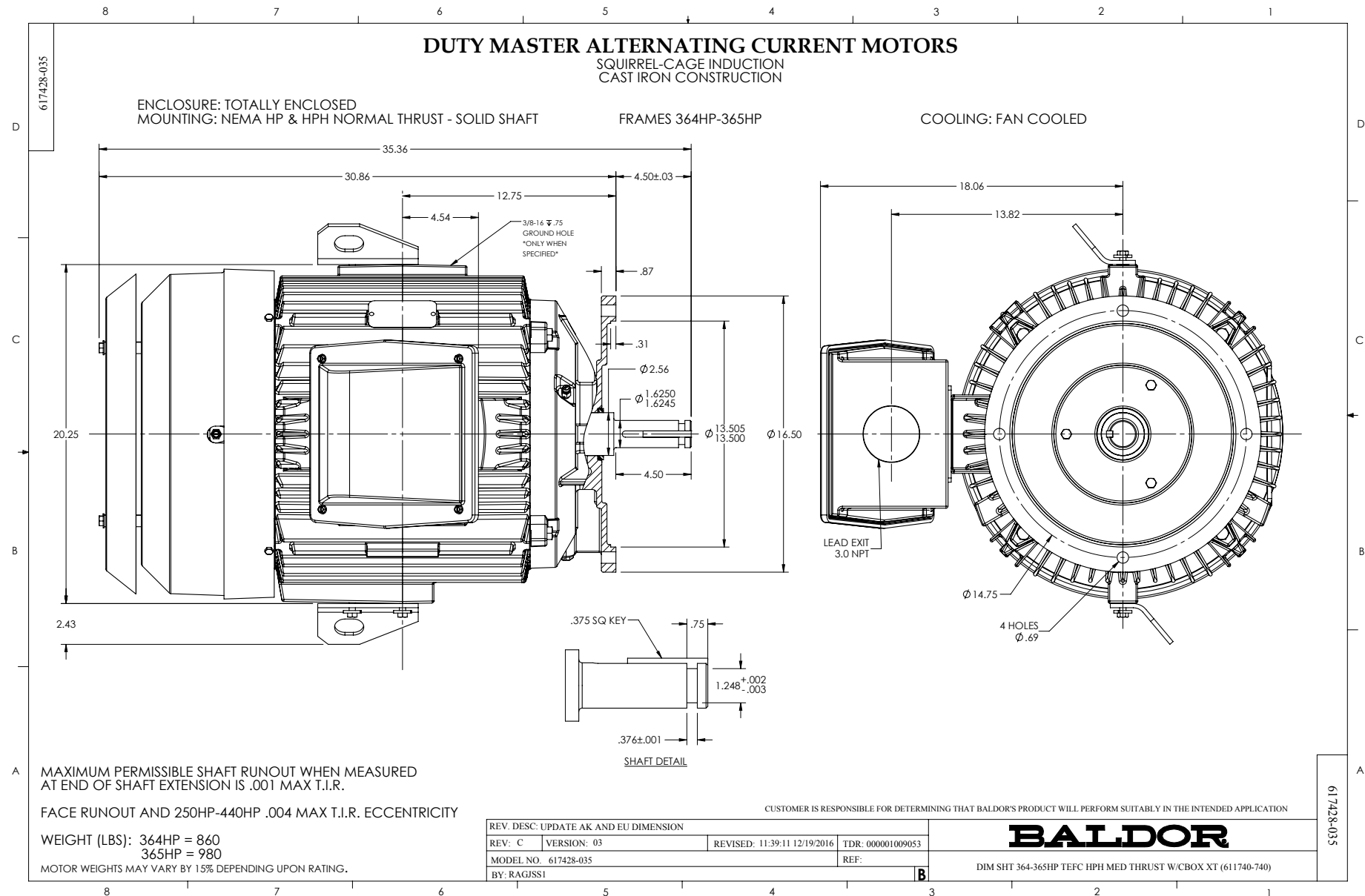
000613007EW													
CAT.NO.	VHECP4313T					SPEC NO.		P36G3417					
HP	75	AMPS		161/80.7		VOLTS		230/460		DESIGN		B	
FRAME	365HP	RPM	3555		HZ		60	AMB	40	SF	1.15		
DRIVE END BEARING	65BC03J30X			PH	3	DUTY	CONT	INSUL.CLASS			F		
OPP D.E. BEARING	65BC03J30X			TYPE		P	ENCL	TEFC	CODE	F			
D.E.BRG.DATA	6313			POWER FACTOR				91.5		NEMA NOM EFFICIENCY			94.5
O.D.E.BRG.DATA	6313			MAX CORR KVAR				05.0		GUARANTEED EFFICIENCY			93.6
3/4 LOAD EFF.	95.4		NEMA NOM/CSA QUOTED EFF										
SER.NO.						MOTOR WEIGHT			1042				

000901002AAA	
SUIT FOR 208V @ 179 AMPS	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365HP	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	F	F	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	7.78	0	
1/4	18.8	24.4	3589	77.5	92.8	
2/4	37.6	40.7	3579	90.8	95.1	
3/4	56.2	59.9	3568	92.1	95.4	
4/4	75.0	80.7	3556	91.5	95.0	
5/4	93.8	102	3543	90.9	94.4	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	218	242	494		
PULL UP	1565	190	210	440		
BREAKDOWN	3395	228	253	259		
FULL LOAD	3556	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. 95.0 % GUARANTEED MIN. EFF. 94.5%						
		DR. BY J.J.HARRISON CK. BY G.R. WEBB APP. BY W.L.SMITH DATE 10/16/02		A-C MOTOR PERFORMANCE DATA A36WG0761-R001 ISSUE DATE 12/15/10		







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

MTL: -



BALDOR - RELIANCE®

CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

SH 1 of 1

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