



Customer information packet

VPECP4310T

60HP, 3560RPM, 3PH, 60HZ, 364VP, TEFC, V1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	364VP
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	60.000 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	6-60
Current @ Voltage	65.100 A @ 460.0 V 130.200 A @ 230.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	65.1 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE

Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1558
Layout	616555-992
Eff. date	10-24-2024
CD Diagram	416820-002
Poles	02
Leads	3#4,6#6
Proprietary	False
Created date	07-01-2015

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36056M
Mounting Arrangement	V1
Number of Poles	2
Overall Length	37.25 IN
Power Factor	91
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	P-Base
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3560 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP3238

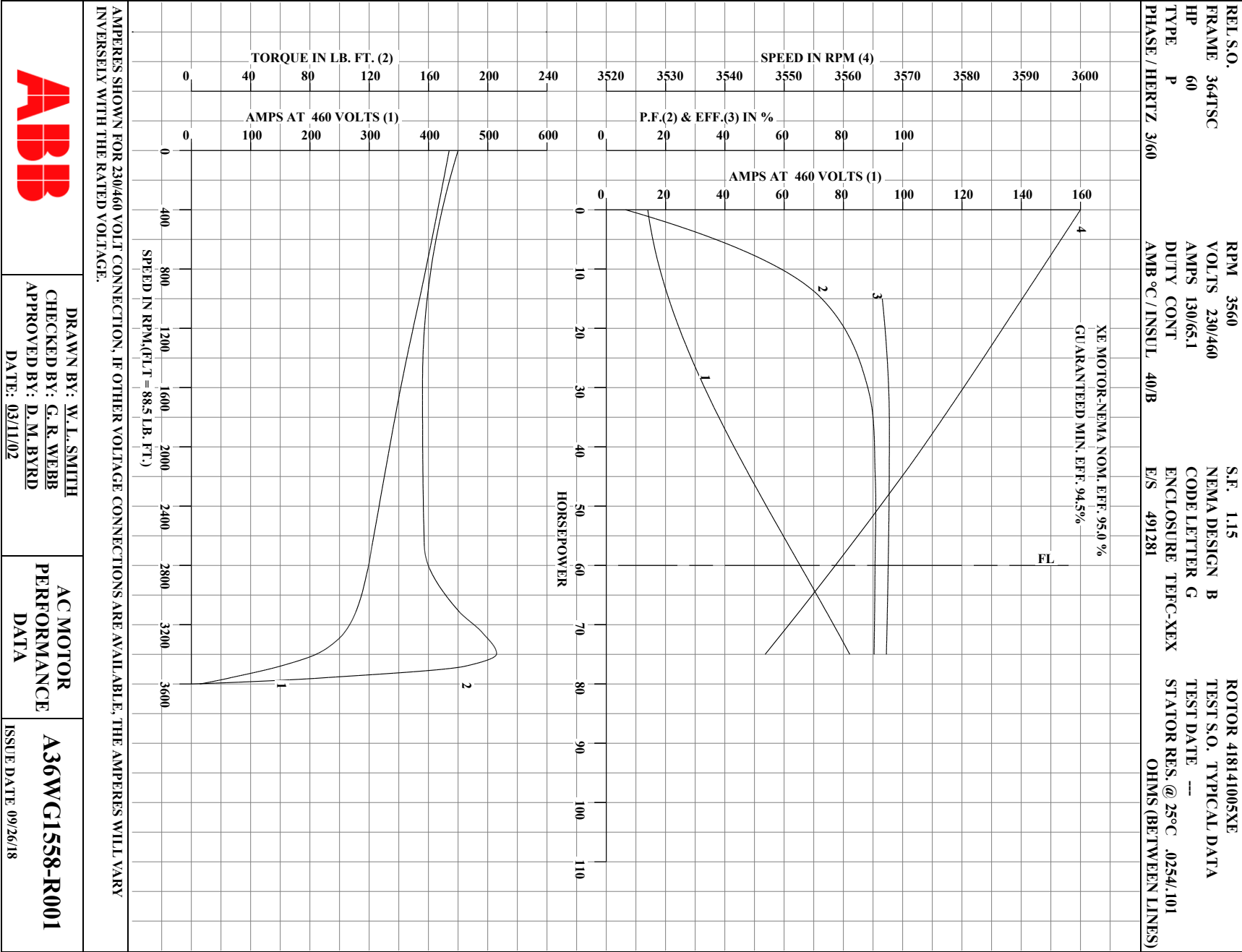
CAT NO	VPECP4310T				SPEC NO.		A36-6890-1558						
HP	60	AMPS	130/65.1		VOLTS		230/460		DESIGN	B			
FRAME	364VP	RPM	3560	HZ	60	AMB	40	SF	1.15				
D.E. BRG.DATA	6313		O.D.E. BRG.DATA			7310		PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	65BC03JP30X				TYPE	P	ENCL	TEFC	CODE	G			
O.D.E. BRG.	BA2B_459310				POWER FACTOR			91	NEMA NOM EFFICIENCY			95	
3/4 LOAD EFF.	95.5		MAX CORR KVAR			5.00		GUARANTEED EFFICIENCY			94.1		
TEMP CODE	T3	TEMP =		200									
CHP HZ	60-90	CT HZ	6-60		VT HZ	0-60							
INVERTER-TEMP-CODE	T3												
SER.NO.					MOTOR WEIGHT			987					

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TSC	60	P	3/60	3560	230/460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
130/65.1	CONT	40/B	1.15	B	G	TEFC-XEX
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
491281	418141005XE	---	---	.0254/.101		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	14.1	3600	6.54	0	
1/4	15.0	20.8	3590	72.8	93.1	
2/4	30.0	33.4	3580	88.2	95.3	
3/4	45.0	48.6	3570	90.7	95.5	
4/4	60.0	65.1	3559	90.7	95.1	
5/4	75.0	82.2	3547	90.3	94.5	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	203	180	435	
PULL UP		1565	176	156	355	
BREAKDOWN		3397	233	206	212	
FULL LOAD		3559	100	88.5	65.1	
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
TYPICAL DATA XE MOTOR-NEMA NOM. EFF. 95.0 % GUARANTEED MIN. EFF. 94.5%						
		DRAWN BY: W.L. SMITH CHECKED BY: G.R. WEBB APPROVED BY: D.M. BYRD DATE: 03/11/02		AC MOTOR PERFORMANCE DATA		A36WG1558-R001 DATE ISSUED 09/26/18

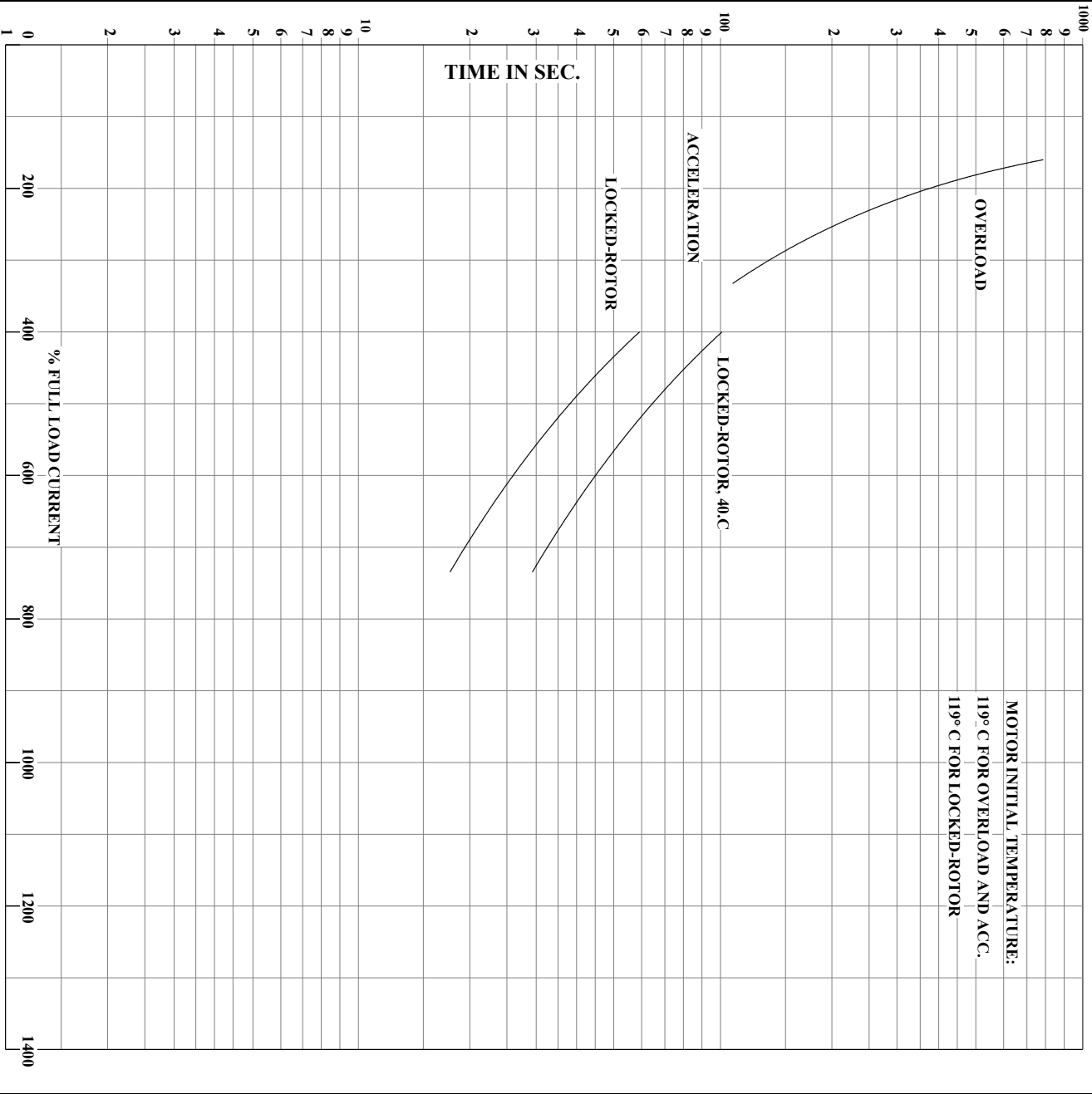
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REL.S.O.	RPM 3560	S.F. 1.15	ROTOR 418141005XE
FRAME 364TSC	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 60	AMPS 130/65.1	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC-XEX	STATOR RES. @ 25°C .0254/.101
PHASE / HERTZ 3/60	AMB °C / INSUL 40/B	E/S 491281	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

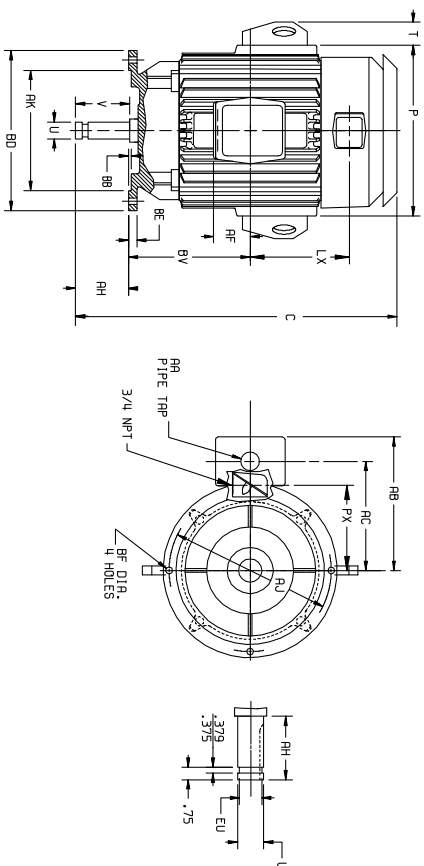
	DRAWN BY: W.L.SMITH CHECKED BY: G.R.WEBB APPROVED BY: D.M.BYRD DATE: 03/11/02	AC MOTOR PERFORMANCE DATA	A36WGI558-R001 ISSUE DATE 09/26/18
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DUTY MASTER ALTERNATING CURRENT MOTORS

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: NEMA VP API THRUST DESIGN - SOLID SHAFT
FRAMES 250VP THRU 440VP



DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

	P	T	CAST IRON	TERMINAL	AB	BB	BE	BF	AJ	(4)	RECOM. BOLT	LX	PX		
FRAME	14.00	2.25	1/10.61	8.81	2.50	19	10.00	6.2	.44	9.12	8.250	3/8 x 1.50	6.31	10.50	
25x4V-25xV	15.50	2.25	1/7.72	6.12	10.00	19	10.00	6.9	.44	9.12	8.250	3/8 x 1.50	6.88	11.00	
32xV-32xV	17.08	2.50	1/5.44	11.66	2.62	25	16.50	.88	.69	14.75	13.500	5/8 x 2.00	8.02	12.00	
32xV-32xV	17.08	2.50	1/5.44	11.66	2.62	25	16.50	.88	.69	14.75	13.500	5/8 x 2.00	8.02	12.00	
40xV-40xV	22.62	3.00	1/9.25	15.61	4.12	25	16.50	.94	.69	14.75	13.500	5/8 x 2.00	9.80	14.00	
44xV-44xV	25.25	2.50	3	22.19	17.44	6.00	25	16.50	1.06	.69	14.75	13.500	5/8 x 2.25	11.12	15.56

FRAME	SHAFT AND KEY										WEIGHT LBS. (3)
	C	BY	AH(6)	V	U(2)	EU(5)	SO.	LGTH.			
255A	28.10	9.44	2.750	2.75	1.1250	8.75	250	1.25	310		
255B	28.10	9.44	2.750	2.75	1.1250	8.75	250	1.25	310		
283A	30.66	10.44	2.750	2.75	1.1250	8.75	250	1.25	460		
283B	30.66	10.44	2.750	2.75	1.1250	8.75	250	1.25	475		
324A	34.60	11.75	4.500	4.50	1.6250	12.50	375	3.00	610		
324B	34.60	11.75	4.500	4.50	1.6250	12.50	375	3.00	650		
326A	34.60	11.75	4.500	4.50	1.6250	12.50	375	3.00	860		
326B	34.60	11.75	4.500	4.50	1.6250	12.50	375	3.00	980		
365A	37.25	12.75	4.500	4.50	1.6250	12.50	375	3.00	1310		
365B	37.25	12.75	4.500	4.50	1.6250	12.50	375	3.00	1310		
405A	41.75	14.62	4.500	4.50	1.6250	12.50	375	3.00	1690		
405B	41.75	14.62	4.500	4.50	1.6250	12.50	375	3.00	1890		
445A	47.57	17.50	4.500	4.50	2.125	1.750	.500	3.00	1890		
445B	47.57	17.50	4.500	4.50	2.125	1.750	.500	3.00	1890		

- | | |
|--|--|
| (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE. | IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY. |
| (2) "U" VARIES — UP TO 2.125 DIA. + .0000, — .0005
2.125 AND LARGER + .000, — .001. | MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF SHAFT EXTENSION IS .001 MAX. T.I.R. |
| (3) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING. | FACE RUNOUT AND 250P — .440P .004 MAX. T.I.R. ECCENTRICITY |
| (4) "AK" VARIES — 250VP — 280VP + .003, — .000
320VP — 440VP + .005, — .000 | |
| (5) "EU" VARIES + .000, — .005 | |
| (6) "AH" VARIES + .030, — .030 | |
| (7) AUXILIARY CONDUIT BOX SUPPLIED ONLY WHEN SPECIFIED. | |

FRAME _____ TYPE _____ CERTIFIED FOR _____
 ORDER _____ ITEM _____ HP _____ PH _____ HZ _____ VOLTS _____
 SALES ORDER _____ APPROVED BY _____ DATE _____

616555-992

616555-992

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: REMOVED "AG" AND ADD "C" DIMENSION		
REV. LTR: C	VERSION: 03	TDR: 00000821455
FILE: \RAG\00008\703	REVISED: 03:31:17 10/08/2013	BY: RAGJSS1
MTL: -		

BALDOR

DIM SHT 250-440VP TEFC API THRUST DESIGN CAST IRON CBOX

SH 1 of 1

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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