ABB BALDOR RELIANCE

Customer information packet

EM251202T-4

200HP, 3565RPM, 3PH, 60HZ, 444TS, A44056M, DP
Class - None
Division - Not Applicable

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Specifications

Enclosure	DP
Frame	444TS
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	200.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	221.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	221.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1 AWG
Motor Standards	NEMA
Motor Type	A44056M

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG2691
Layout	617428-044
Eff. date	09-25-2025
CD Diagram	416820-008
Poles	02
Leads	6#1
Proprietary	False
Created date	02-09-2015

Mounting Arrangement	F1
Number of Poles	2
Overall Length	35.88 IN
Power Factor	88
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3565 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L
MOBIL POLYREX EM

NP2349L												
SPEC NO.	A44-6809-2691	**CAT.NO.**	EM251202T-4							**FRAME**	444TS	
HP	200	**VOLTS**	460	**PHASE**	3	**DESIGN**	B	**TYPE**	P			
RPM	3565	**AMPS**	221	**HZ**	60	**AMB**	40	**SF**	1.15			
DRIVE END BEARING	65BC03J30X	**DUTY**	CONT	**INSUL.CLASS**	F							
OPP D.E. BEARING	65BC03J30X	**ENCL**	DP	**CODE**	F							
SER.NO.		**POWER FACTOR**	88					**NEMA-NOM-EFFICIENCY**	95.4			
						MAX CORR KVAR	30	**GUARANTEED EFFICIENCY**	94.5			
						NEMA NOM/CSA QUOTED EFF						
										MOTOR WEIGHT		

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	444T	200	P	3/60	3565	460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
221	CONT	40/F	1.15	B	F	PRXE

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
497748	418143-14-CE	---	---	.0299

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	54.8	3600	4.98	0
1/4	50.1	73.6	3592	67.9	93.8
2/4	100	112	3584	87.4	95.8
3/4	150	162	3575	90.4	95.9
4/4	200	221	3566	88.6	95.6
5/4	250	289	3556	85.1	95.1

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	143	421	1282
PULL UP	1240	126	370	1270
BREAKDOWN	3431	234	690	835
FULL LOAD	3566	100	295	221

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

REMARKS: XE MOTOR-CALCULATED DATA-NEMA NOM. EFF. 95.4 PCT.

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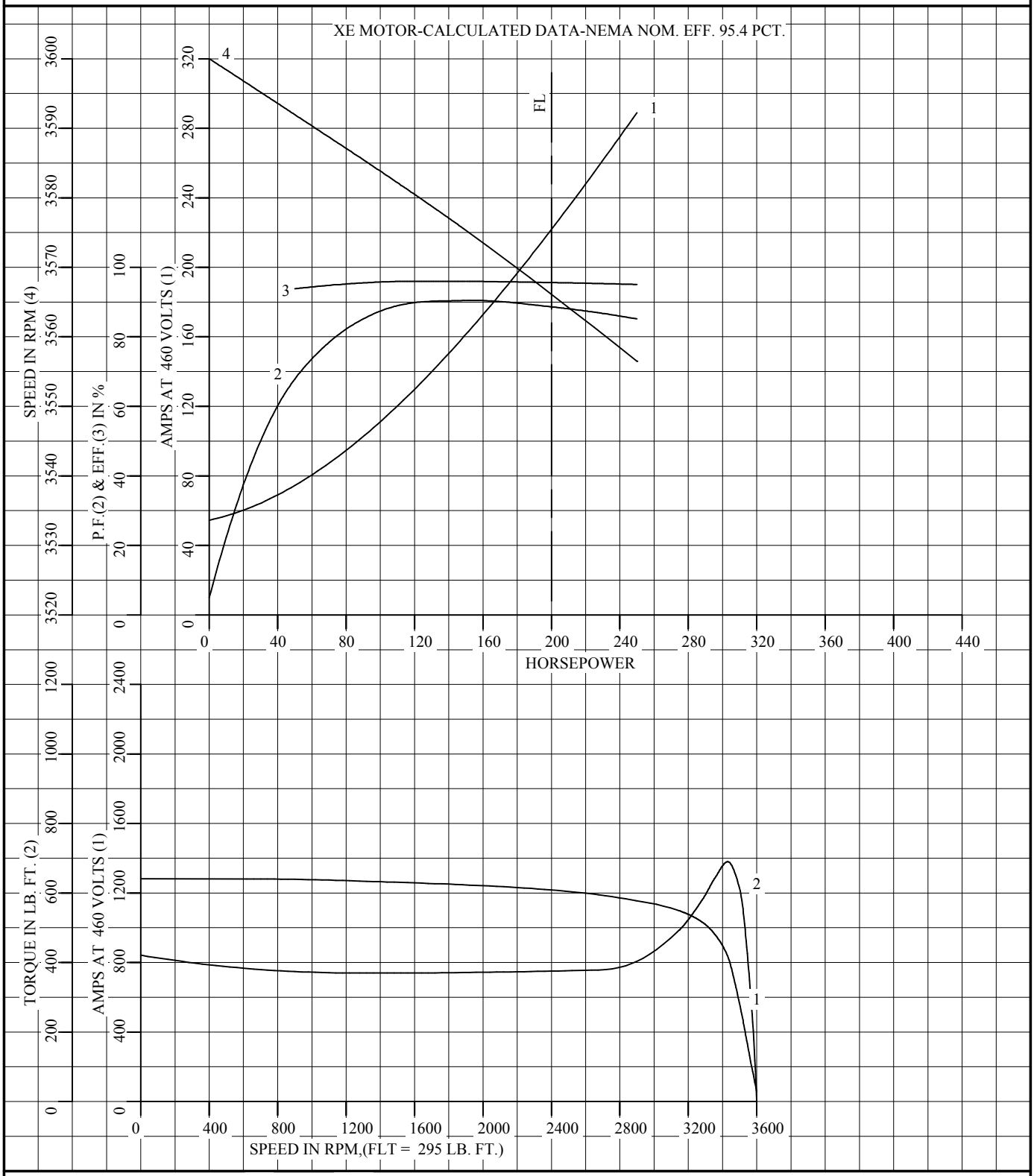
DR. BY J.J.HARRISON
CK. BY W.L.SMITH
APP. BY W.L.SMITH
DATE 04/29/10

A-C MOTOR PERFORMANCE DATA

A44WG2691-R001
ISSUE DATE 04/29/10

Printed on 8/12/15 12:22 @ bengap01.ba

REL S.O.		RPM	3565	S.F.	1.15	ROTOR	418143-14-CE
FRAME	444T	VOLTS	460	NEMA DESIGN	B	TEST S.O.	---
HP	200	AMPS	221	CODE LETTER	F	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	PRXE	STATOR RES.@ 25 °C	.0299
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	E/S	497748		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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DR. BY	J.J.HARRISON
CK. BY	W.L.SMITH
APP. BY	W.L.SMITH
DATE	04/29/10

A-C MOTOR PERFORMANCE CURVES

A44WG2691-R001

ISSUE DATE 04/29/10

617428-044

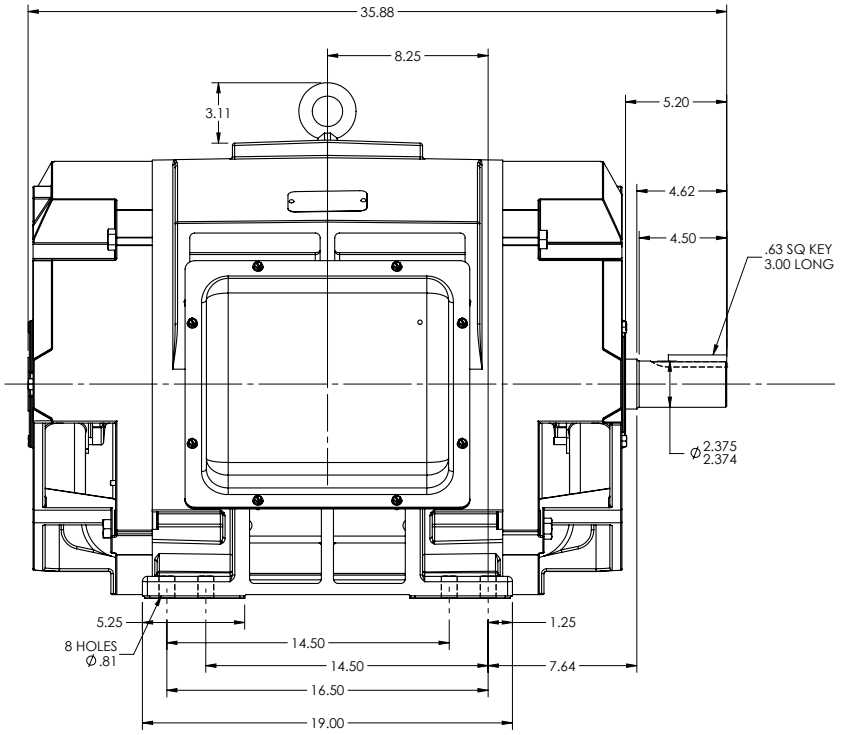
DUTY MASTER ALTERNATING CURRENT MOTORS

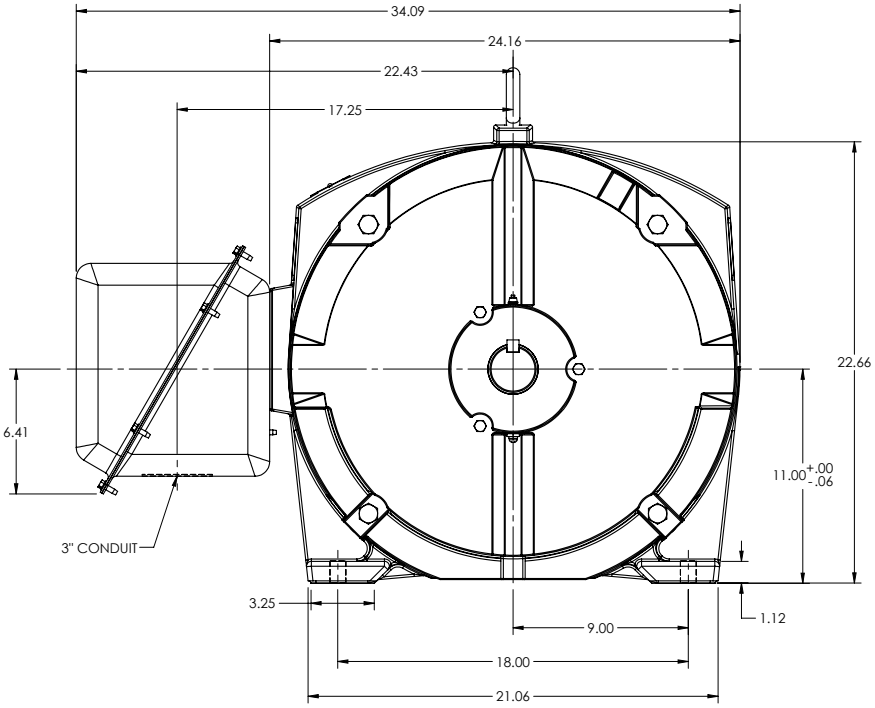
SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

ENCLOSURE: PROTECTED
MOUNTING: FOOT

FRAMES 444TS-445TS

COOLING: SELF-VENTILATED





MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .002 T.I.R. UP TO AND INCLUDING 1.625 DIA. AND .003 T.I.R. 1.625 DIA. TO 5 INCH DIA.

WEIGHT (LBS): 444TS = 1710
445TS = 1750

MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.

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

REV. DESC: CONDUIT WAS NPT			
REV: A	VERSION: 01	REVISED: 08:20:28 04/17/2018	TDR: 000001067288
MODEL NO. 617428-044			REF:
BY: RAGEC			B

BALDOR

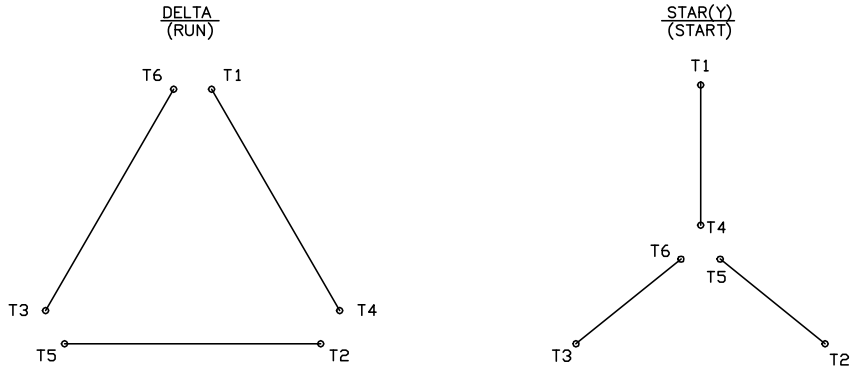
DIM SHEET HOR 444-445TS PROT SV FT

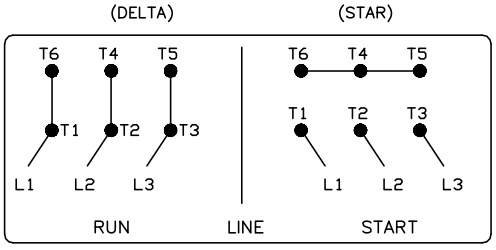
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416820–008

A–C MOTOR
CONNECTION DIAGRAM

STANDARD 6 LEAD Y START – DELTA RUN





(N. P. 1767-DC)

REV. DESC: ADDED T4 TO Y CONNECT DIAGRAM		
REV. LTR: D	VERSION: 04	TDR: 000000847713
FILE: \RAG\00001\808	REVISED: 10:41:26 04/08/2014	BY: RAGJSS1
MTL: –		

BALDOR

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN

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