BALDOR • RELIANCE

Customer information packet

EM2562T-4

200HP, 3560RPM, 3PH, 60HZ, 444TS, 1860M, OPEN
Class - None
Division - Not Applicable

12/22/2025 3:47:34 PM

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	CCSAUSEEV CCSA US
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
KVA Code	F
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1 AWG
Motor Standards	NEMA
Motor Type	A44056M

Part detail

Revision	N
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1511
Layout	617428-044
Eff. date	09-25-2025
CD Diagram	416820-008
Poles	02
Leads	6#1
Proprietary	False
Created date	10-19-2010

Mounting Arrangement	F1
Number of Poles	2
Overall Length	35.88 IN
Power Factor	88
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

NP2377L												
CAT.NO.	EM2562T-4			**SPEC NO.**	P44G4413							
HP	200	**AMPS**	221			**VOLTS**	460			**DESIGN**	B	
FRAME	444TS	**RPM**	3565	**HZ**	60	**AMB**	40	**SF**	1.15			
DRIVE END BEARING	65BC03J30X			**PHASE**	3	**DUTY**	CONT			**INSUL.CLASS**	F	
OPP D.E. BEARING	65BC03J30X			**TYPE**	P	**ENCL**	DP	**CODE**	F			
SER.NO.				**POWER FACTOR**	88.5					**NEMA-NOM-EFFICIENCY**	95.4	
							MAX CORR KVAR	30.0		**GUARANTEED EFFICIENCY**	95.0	
										NEMA NOM/CSA QUOTED EFF		
							MOTOR WEIGHT					

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

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

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

BALDOR

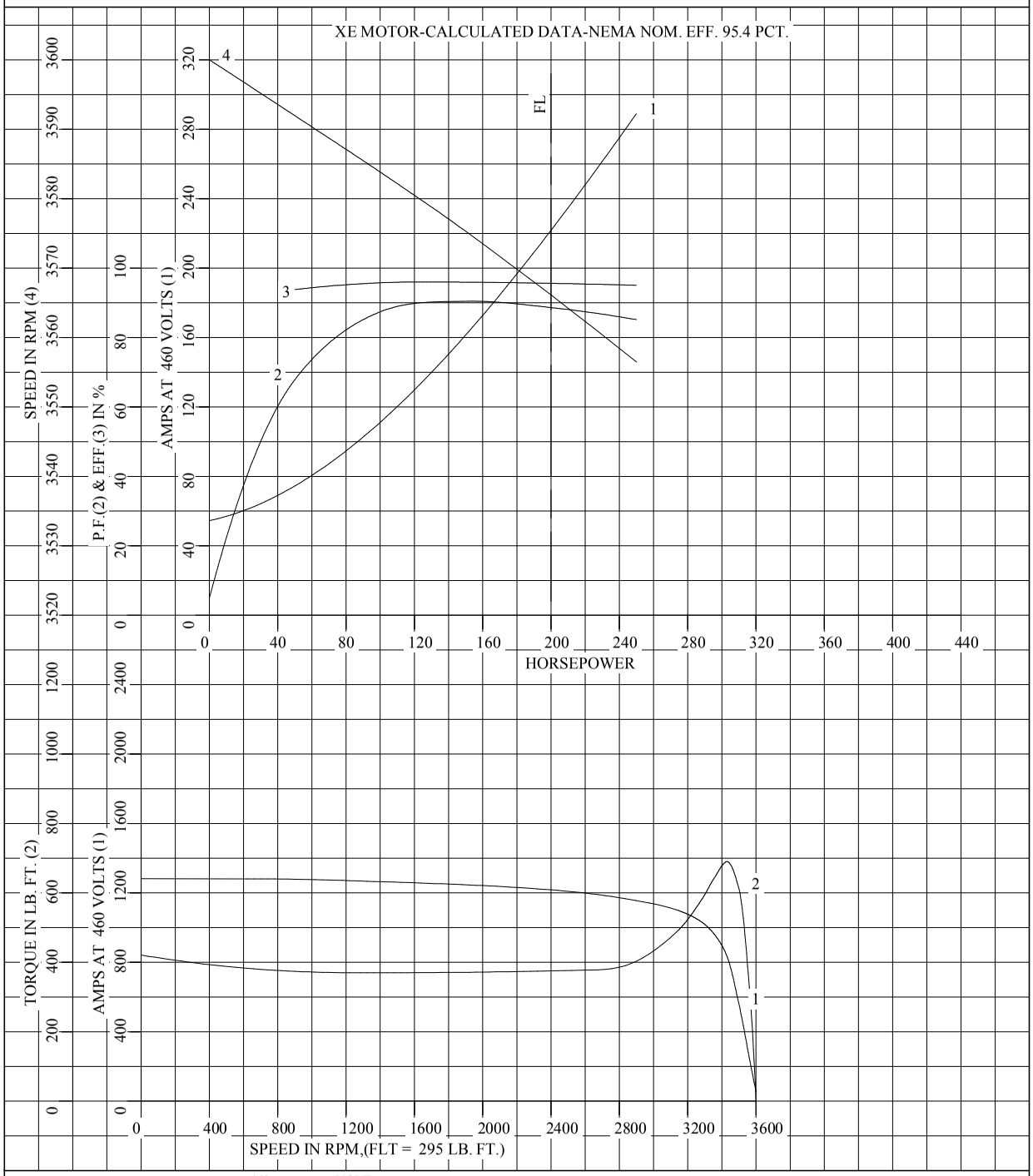
DR. BY J.J.HARRISON
CK. BY W.L.SMITH
APP. BY W.L.SMITH
DATE 04/29/10

A-C MOTOR PERFORMANCE DATA

A44WG1511-R001
ISSUE DATE 12/18/10

Printed on 12/18/10 6:20 @ psecs-motorer

REL S.O.	RPM 3565	S.F. 1.15	ROTOR 418143-14-CE
FRAME 444TS	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 200	AMPS 221	CODE LETTER F	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE PROT	STATOR RES.@ 25 °C .0299
PHASE/HERTZ 3/60	AMB °C/INSUL 40/B	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.

BALDOR

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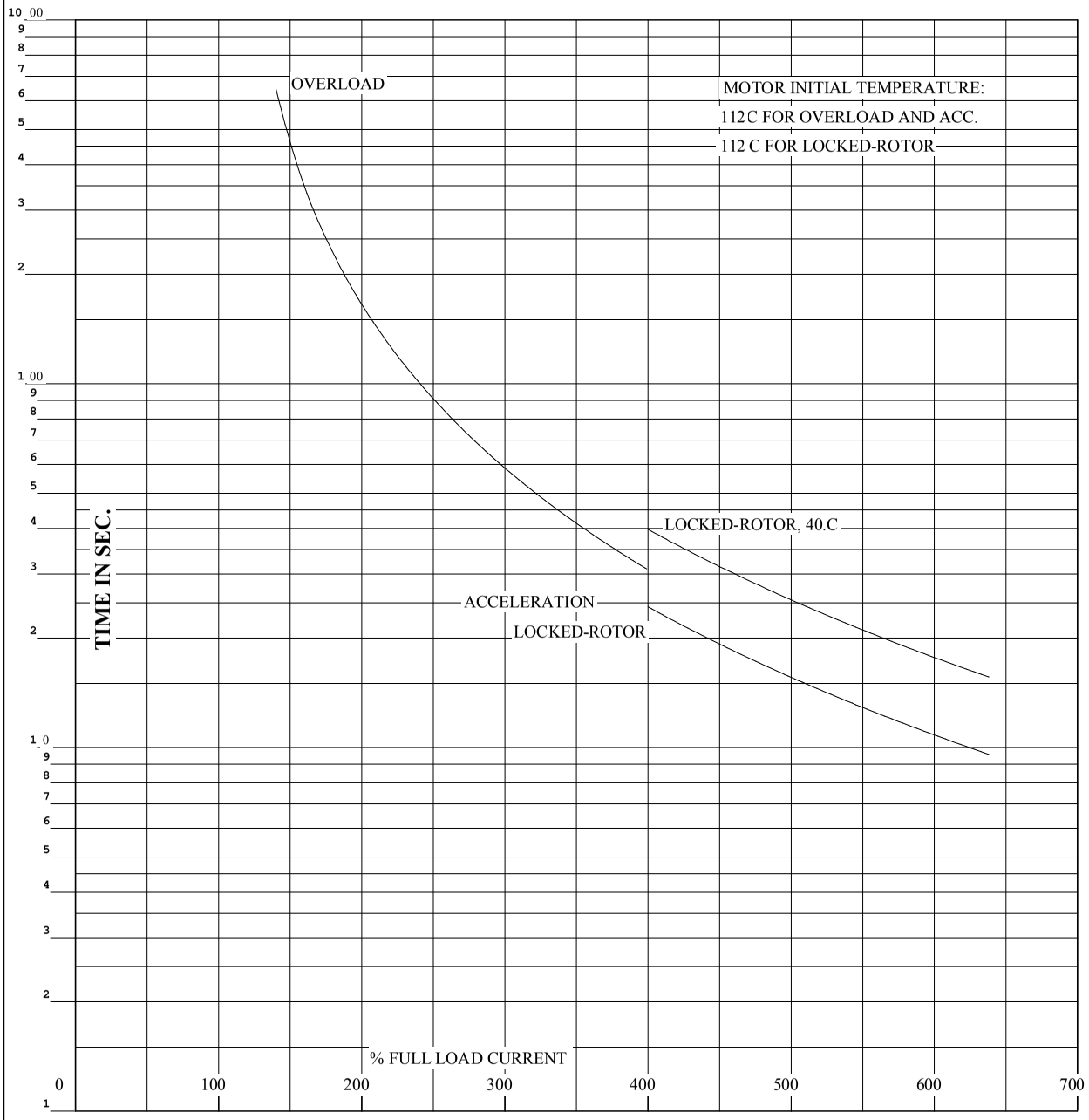
A-C MOTOR PERFORMANCE CURVES A44WG1511-R001 ISSUE DATE 12/18/10

Printed on 12/18/10 6:20 @ psecs-motoreng

REL. S.O.	RPM 3565	S.F. 1.15	ROTOR 418143-14-CE
FRAME 444TS	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 200	AMPS 221	CODE LETTER F	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE PROT	STATOR RES.@ 25 ℃.0299
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/B	E/S 497748	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

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

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A-C MOTOR PERFORMANCE CURVES A44WG1511-R001

ISSUE DATE 12/18/10

617428-044

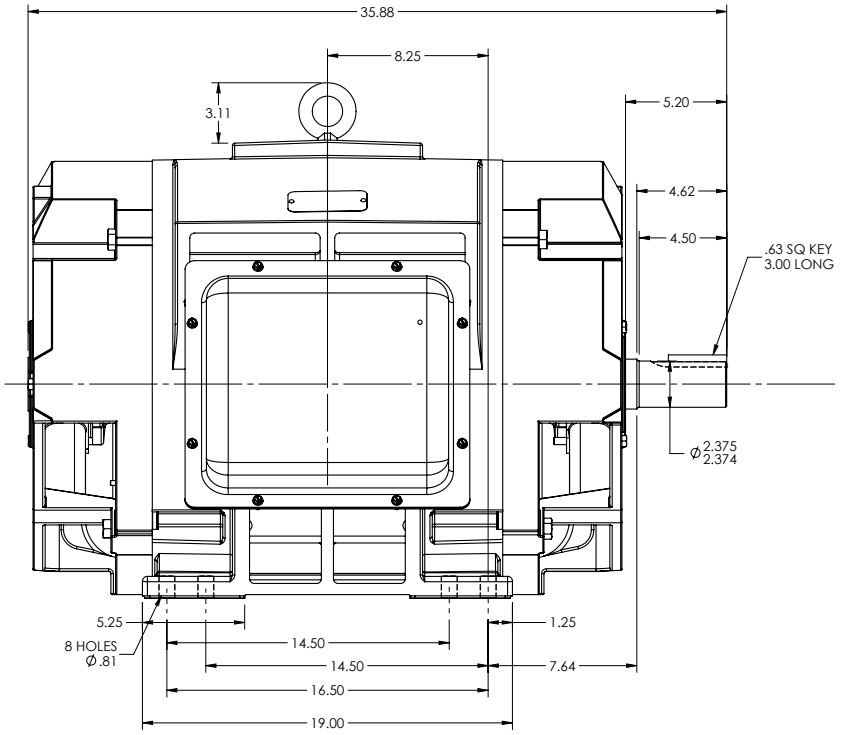
DUTY MASTER ALTERNATING CURRENT MOTORS

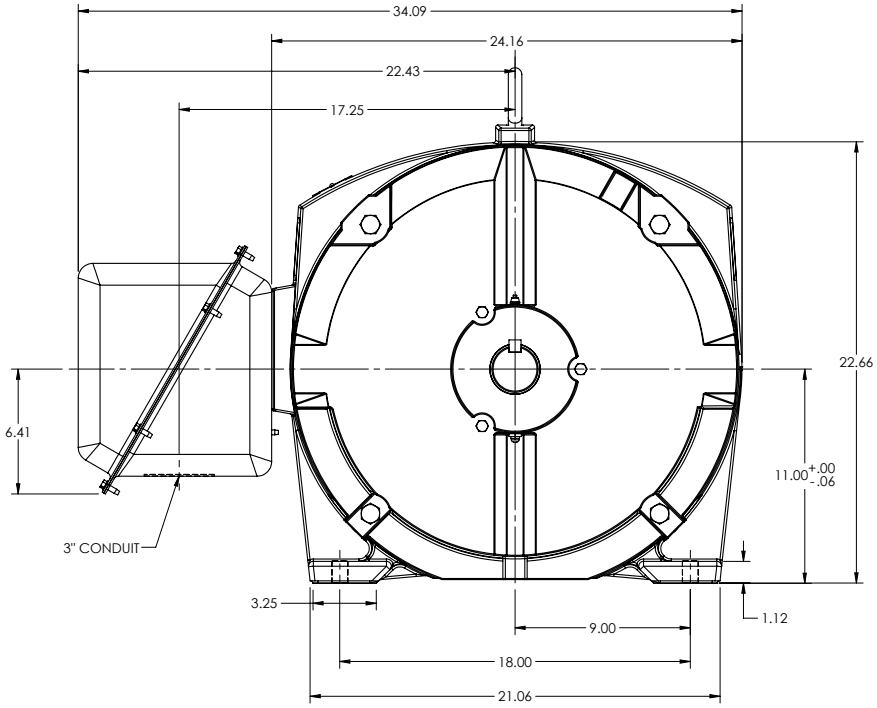
SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

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

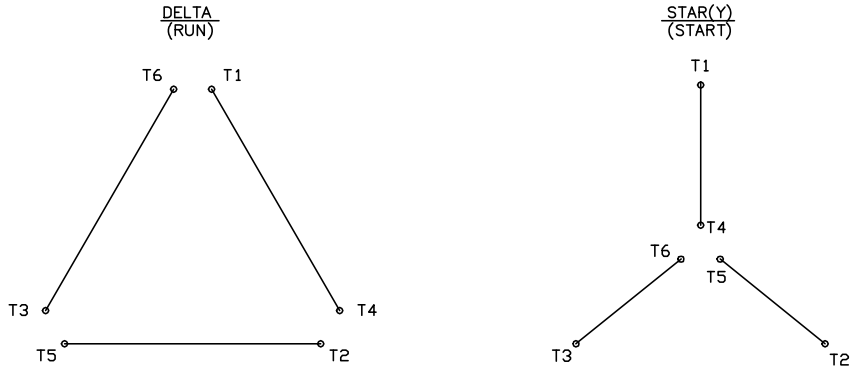
DIM SHEET HOR 444-445TS PROT SV FT

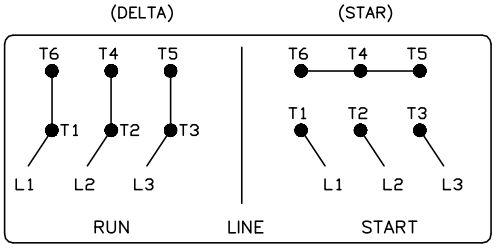
617428-044

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

SH 1 of 1

416820–008