ABB BALDOR RELIANCE

Customer information packet

EM7568T-I

75HP, 1800RPM, 3PH, 60HZ, 365T, FCXP, F1
Class - CLI GP D; CLII GP E,F,G
Division - Division I

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Specifications

Enclosure	TEFC
Frame	365T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP E,F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CCSA US
	CSA
	CSA EEV
	UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	168.000 A @ 230.0 V
	84.100 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	84.1 a
Insulation Class	B
Inverter Code	Not Inverter

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	A36WG1729
Layout	611742-983-SH1
Eff. date	02-08-2021
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	03-09-2016

KVA Code	F
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36068M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.44 IN
Power Factor	88
Product Family	Other
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2293L											
CAT.NO.				**SPEC NO.**	P36G4720				**FRAME**	365T	
HP	75	**PHASE**	3	**DESIGN**	B	**TYPE**	P				
RPM	1780	**HZ**	60	**AMB**	40	**SF**	1.15				
VOLTS	230/460			**DUTY**	CONT			**INSUL.CLASS**	F		
AMPS	168/84.1			**ENCL**	TEFC	**CODE**	F				
DRIVE END BEARING	65BC03J30X			**NEMA-NOM-EFFICIENCY**	95.4						
OPP D.E. BEARING	65BC03J30X										
SER.NO.											
								MOTOR WEIGHT			

000613006PC			
CLASS I GROUP	D X X	**NO.**	
CLASS II GROUP	E F G		
OPERATING TEMP CODE	T3C		

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365T	75	P	3/60	1780	230/460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
168/84.1	CONT	40/F	1.15	B	F	FCXE

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
892275	708559030EE	---	---	.0216/.0867

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	25.3	1800	3.18	0
1/4	18.8	32.1	1795	57.8	94.8
2/4	37.5	46.7	1790	78.2	96.1
3/4	56.2	64.5	1785	85.1	95.9
4/4	74.9	84.1	1780	87.5	95.4
5/4	93.8	106	1773	87.9	94.6

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	179	396	510
PULL UP	270	149	330	470
BREAKDOWN	1709	237	523	289
FULL LOAD	1780	100	221	84.1

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

REMARKS: CALCULATED DATA
NEMA PREMIUM - 95.4 PCT NOMINAL EFFICIENCY

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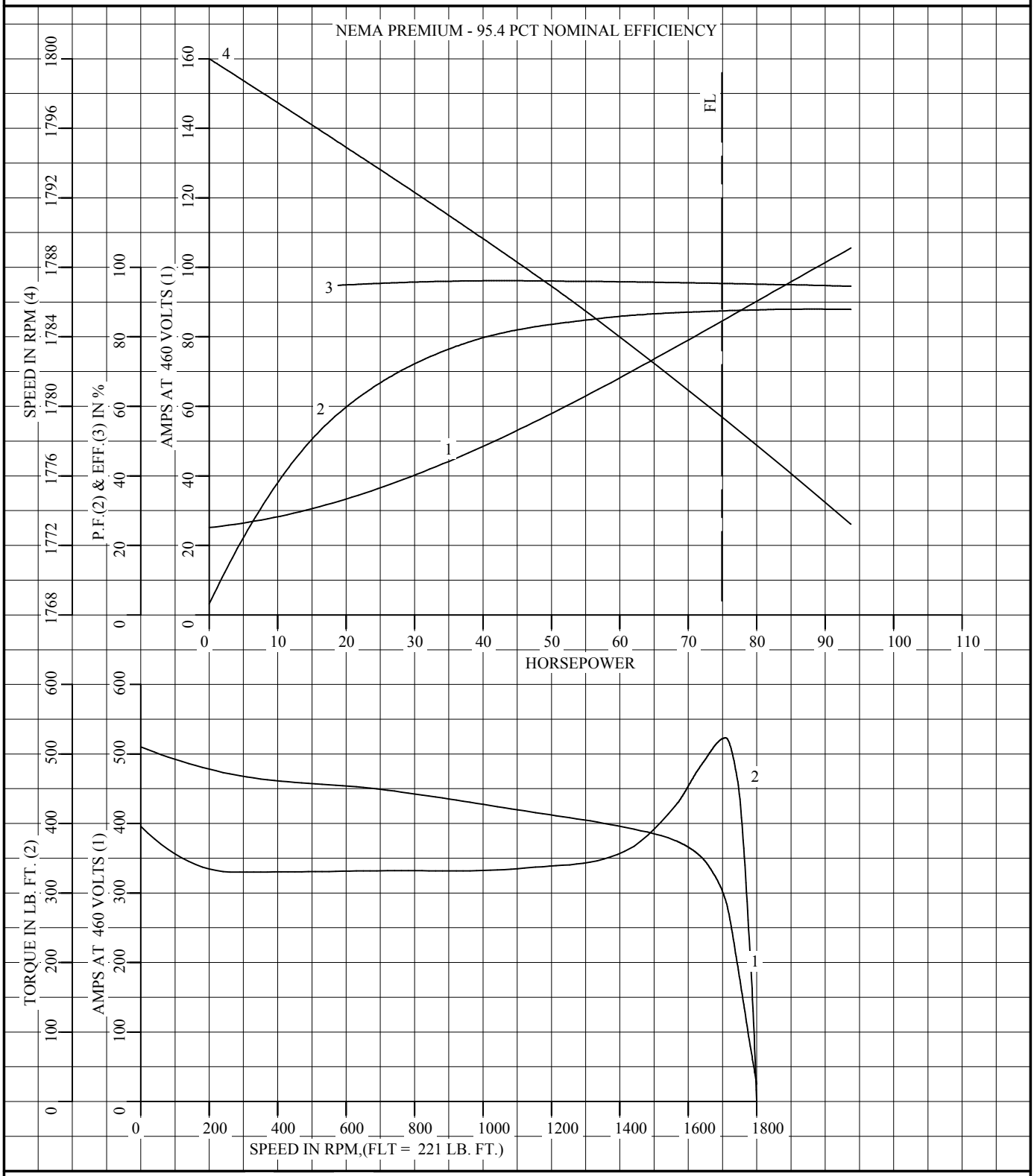
DR. BY W. L. SMITH
CK. BY J.J.HARRISON
APP. BY W. L. SMITH
DATE 08/24/10

A-C MOTOR PERFORMANCE DATA

A36WG1729-R003
ISSUE DATE 08/24/10

Printed on 1/19/16 14:31 @ bengap01.ba

REL S.O.	RPM 1780	S.F. 1.15	ROTOR 708559030EE
FRAME 365T	VOLTS 230/460	NEMA DESIGN B	TEST S.O. CALCULATED DATA
HP 75	AMPS 168/84.1	CODE LETTER F	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE FCXE	STATOR RES.@ 25 °C .0216/.0867
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 892275	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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APP. BY	W. L. SMITH
DATE	08/24/10

A-C MOTOR PERFORMANCE CURVES

A36WG1729-R003

ISSUE DATE 08/24/10

611742-983-SH1

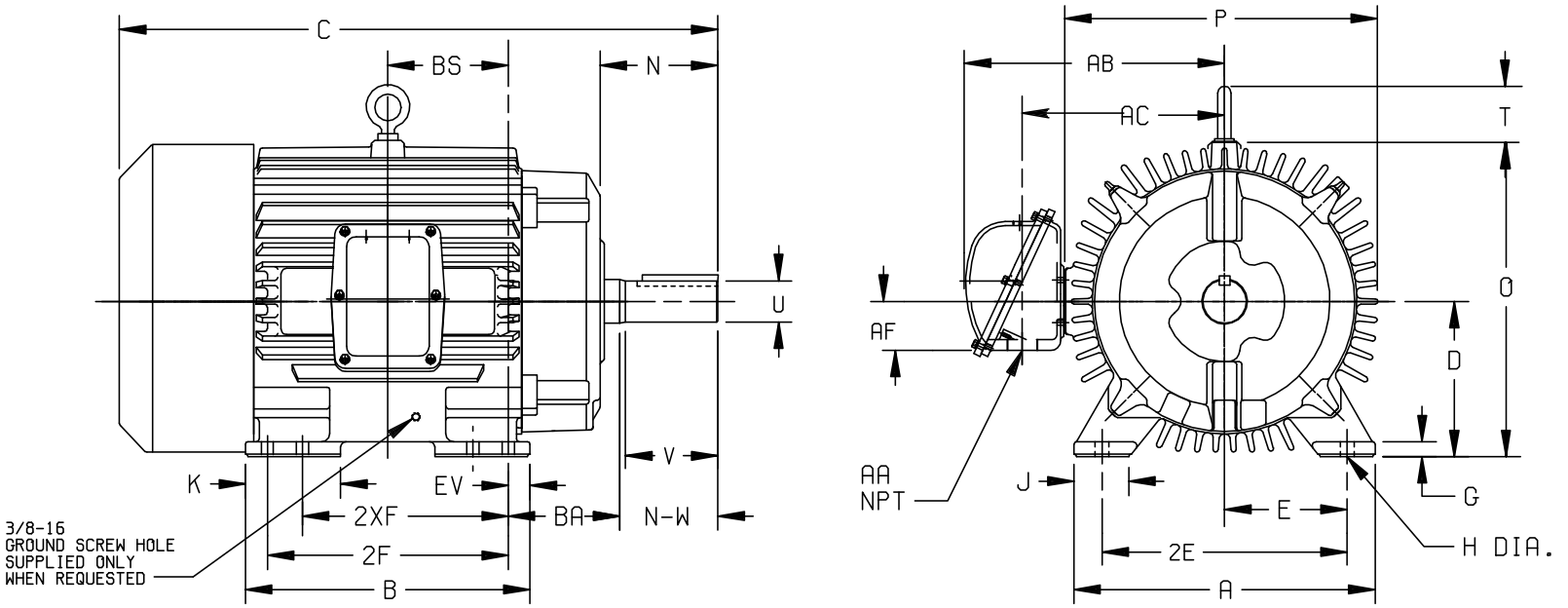
DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED
UNDERWRITERS LISTED MOTOR
MOUNTING: FOOT

FRAMES E364T-E365TS

COOLING: FAN COOLED
BOLTED ON CONDUIT BOX



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

FRAME	A	D(1)	E	G	H	J	K	O	P	T	XP TERMINAL BOX AA	AB	AC	AF	BA	EV
E364T-365TS	17.00	9.00	7.00	.88	.69	2.75	4.00	19.11	20.25	2.94	2-1/2	18.64	14.14	4.00	5.88	1.38

FRAME SIZE	C	BS	B	2F	(3) 2XF	N	SHAFT AND KEY N-W(5)	U(2)	V	SQ.	LGTH.	WEIGHT LBS. (4)
E364T	33.44	6.12	15.00	---	11.25	6.00	5.88	2.375	5.62	.625	4.25	910
E364TS	31.31	6.12	15.00	---	11.25	3.88	3.75	1.875	3.50	.500	2.00	904
E365T	33.44	6.12	15.00	12.25	---	6.00	5.88	2.375	5.62	.625	4.25	950
E365TS	31.31	6.12	15.00	12.25	---	3.88	3.75	1.875	3.50	.500	2.00	944

(1) "D" VARIES +.00, -.06.
(2) "U" VARIES +.000, -.001.
(3) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
(4) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
(5) "N-W" VARIES +.00, -.25.

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2,W-1, W-4,W-5,W-7, OR C-1 MOUNTING IS SPECIFIED.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .003

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

REV. DESC: NEW ISSUE		
REV. LTR: -	VERSION: 00	TDR: 000000969971
FILE: \RAG\00021\494	REVISED: 02:20:27 03/09/2016	BY: RAGGDM
MTL: -		

BALDOR

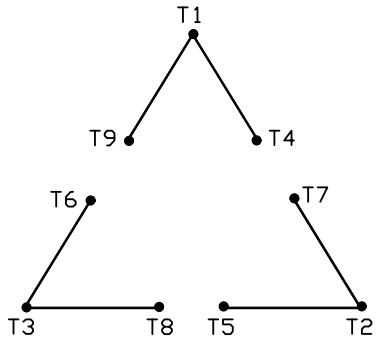
DIM SHT FCXP FT E360T BOLTED ON C/B W/2-1/2"NPT

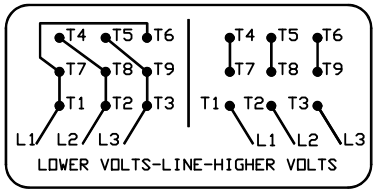
SH 1 of 1

611742-983-SH1

416820-002

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





(N. P. 1575-B)

REV. DESC: ADJUST TEXT DARKNESS		
REV. LTR: B	VERSION: 02	TDR: 000001285318
FILE: \RAG\00022\453	REVISED: 09:36:26 09/24/2026	BY: USJOSUL
MTL: -		

ABB

CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

SH1 of 1

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