BALDOR • RELIANCE

Customer information packet

CTM1767T

60HP, 1775RPM, 3PH, 60HZ, 364T, TEFC, FOOT,
Class - None
Division - Not Applicable

12/22/2025 4:52:31 PM

Specifications

Enclosure	TEFC
Frame	364T
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	15.000 HP @ 60 HZ
	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	69.600 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	24.1 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36052M

Part detail

Revision	L
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0808
Layout	617438-427
Eff. date	09-27-2023
CD Diagram	416820-007
Poles	04/08
Leads	3#4,3#8
Proprietary	False
Created date	10-19-2010

Mounting Arrangement	F1
Number of Poles	4
	8
Overall Length	33.44 IN
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	Shaft Slinger
Speed	1775 rpm
	885 rpm
Speed Code	2S-1W-VT
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2295L												
SPEC NO.	P36G6574		**CAT.NO.**	CTM1767T		**FRAME**	364T					
HP	**RPM**		**VOLTS**		**AMPS**		**HZ**	**TYPE**	PM			
60	1775		460		69.6		60	**SF**	1.15			
15	885		460		24.1		60	**INSUL.CLASS**	F			
DRIVE END BEARING	65BC03JPP30A	**DUTY**	CONT	**AMB**	40							
OPP D.E. BEARING	65BC03JPP30A	**ENCL**	TEFC	**DESIGN**	B							
SER.NO.		**CODE**	H	**PHASE**	3							
	HIGH SPEED EFF: NOM=93.0, GUAR				=92.4							
	COOLING TOWER; IP-55 CONSTR				CAT:CTM1767T		**MOTOR WEIGHT**					

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	60/15	PM	3/60	1775/885	460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
69.6/24.1	CONT	40/F	1.15	B	H	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
591538	418141-31-TE	---	---	.132/.529

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0/ 0	25.9/ 15.5	1800/ 900	5.73/ 4.11	0/ 0
1/4	15.0/ 3.76	30.6/ 16.1	1795/ 897	51.4/ 26.1	89.6/ 83.6
2/4	30.0/ 7.51	41.3/ 17.9	1789/ 894	73.0/ 44.1	93.0/ 89.1
3/4	45.0/ 11.2	54.5/ 20.6	1784/ 891	82.7/ 56.7	93.6/ 90.1
4/4	60.0/ 15.0	69.6/ 24.1	1777/ 888	86.6/ 65.0	93.3/ 89.8
5/4	74.9/ 18.8	85.9/ 28.2	1771/ 884	88.2/ 70.0	92.6/ 89.0

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0/ 0	180/ 149	319/ 132	522/ 115
PULL UP	700/ 150	149/ 135	264/ 120	490/ 110
BREAKDOWN	1668/ 840	283/ 215	501/ 190	298/ 69.0
FULL LOAD	1777/ 888	100/ 100	177/ 88.7	69.6/ 24.1

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-TYPICAL DATA-NEMA NOM. EFF. 93.0 PCT.
ONE WINDING- VARIABLE TORQUE

BALDOR

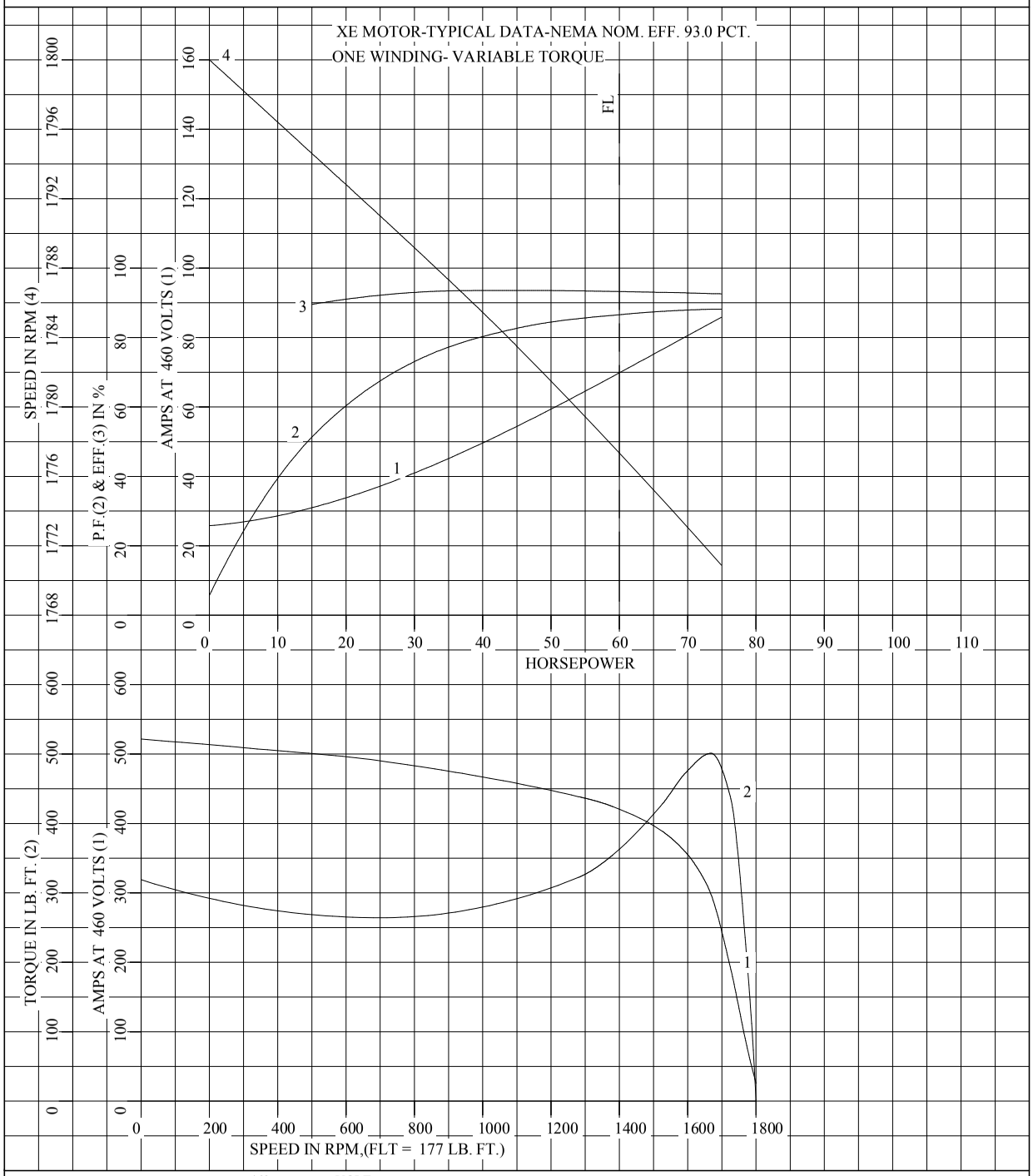
DR. BY J.J.HARRISON
CK. BY G.R.WEBB
APP. BY W.L.SMITH
DATE 06/06/02

A-C MOTOR PERFORMANCE DATA

A36WG0808-R001
ISSUE DATE 01/07/11

Printed on 1/7/11 11:11 @ psecs-motoreng

REL S.O.	RPM 1775/885	S.F. 1.15	ROTOR 418141-31-TE
FRAME 364T	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 60/15	AMPS 69.6/24.1	CODE LETTER H	TEST DATE ---
TYPE PM	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C .132/.529
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 591538	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

DR. BY	J.J.HARRISON
CK. BY	G.R.WEBB
APP. BY	W.L.SMITH
DATE	06/06/02

A-C MOTOR PERFORMANCE CURVES

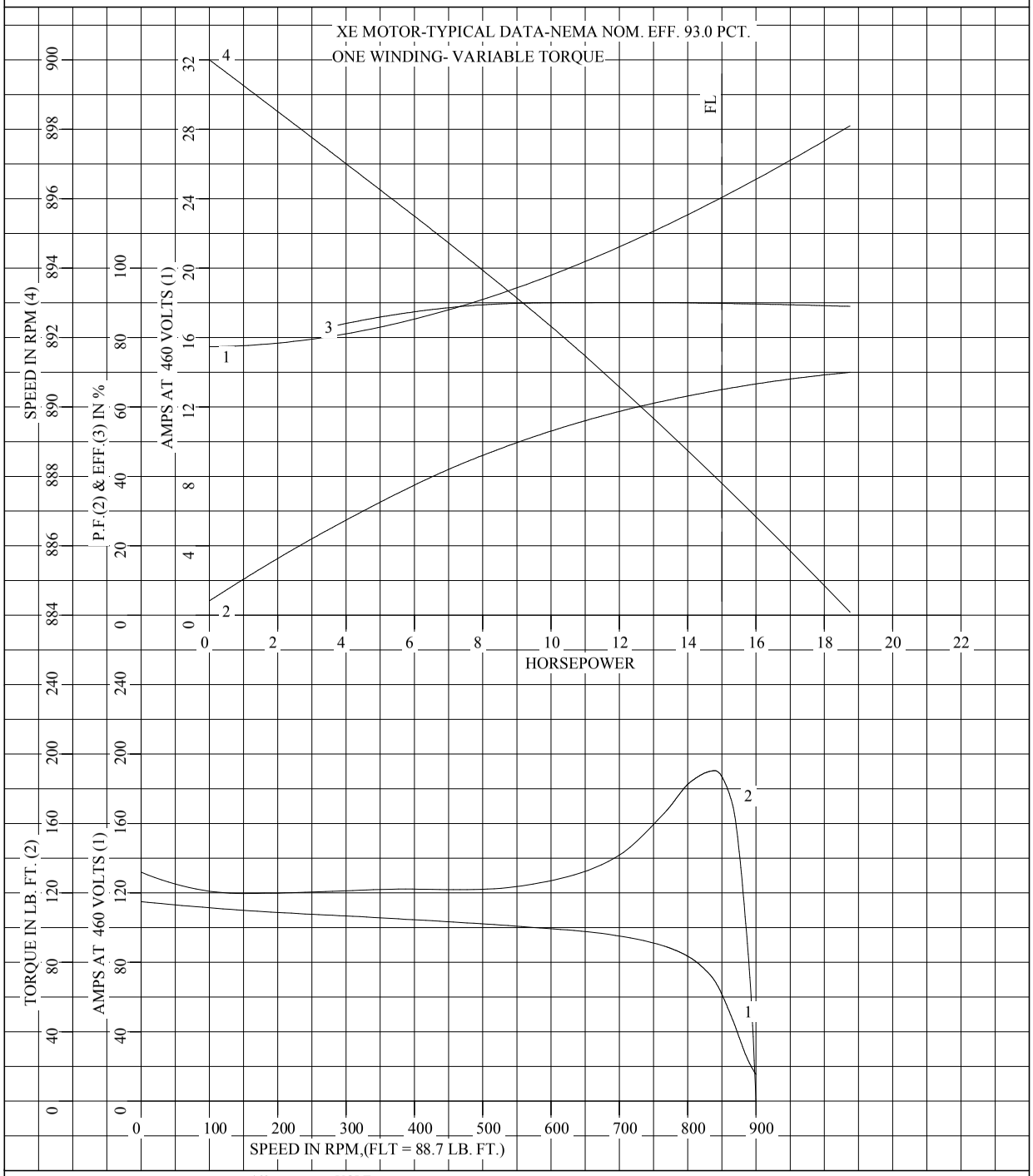
A36WG0808-R001

SH 1 OF 2

ISSUE DATE 01/07/11

Printed on 1/7/11 11:11 @ psecs-motoreng

REL S.O.	RPM 1775/885	S.F. 1.15	ROTOR 418141-31-TE
FRAME 364T	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 60/15	AMPS 69.6/24.1	CODE LETTER H	TEST DATE ---
TYPE PM	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C .132/.529
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 591538	OHMS (BETWEEN LINES)



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A-C MOTOR PERFORMANCE CURVES

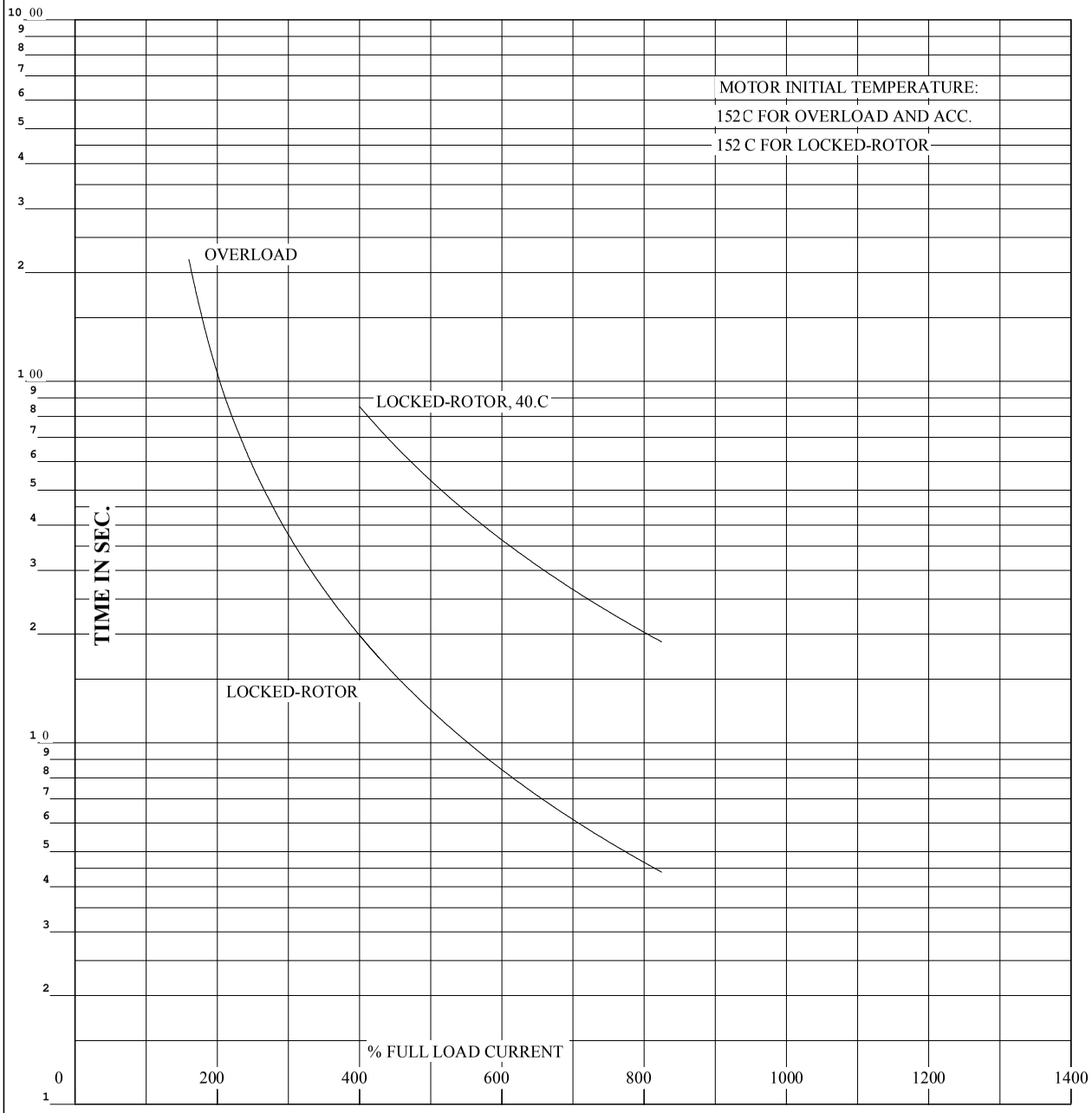
A36WG0808-R001

SH 2 OF 2

ISSUE DATE 01/07/11

Printed on 1/7/11 11:11 @ psecs-motoreng

REL. S.O.	RPM 1775/885	S.F. 1.15	ROTOR 418141-31-TE
FRAME 364T	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 60/15	AMPS 69.6/24.1	CODE LETTER H	TEST DATE ---
TYPE PM	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C.132/.529
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 591538	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE - HIGH SPEED RATING

REMARKS: XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 93.0 PCT.

ONE WINDING- VARIABLE TORQUE

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

BALDOR

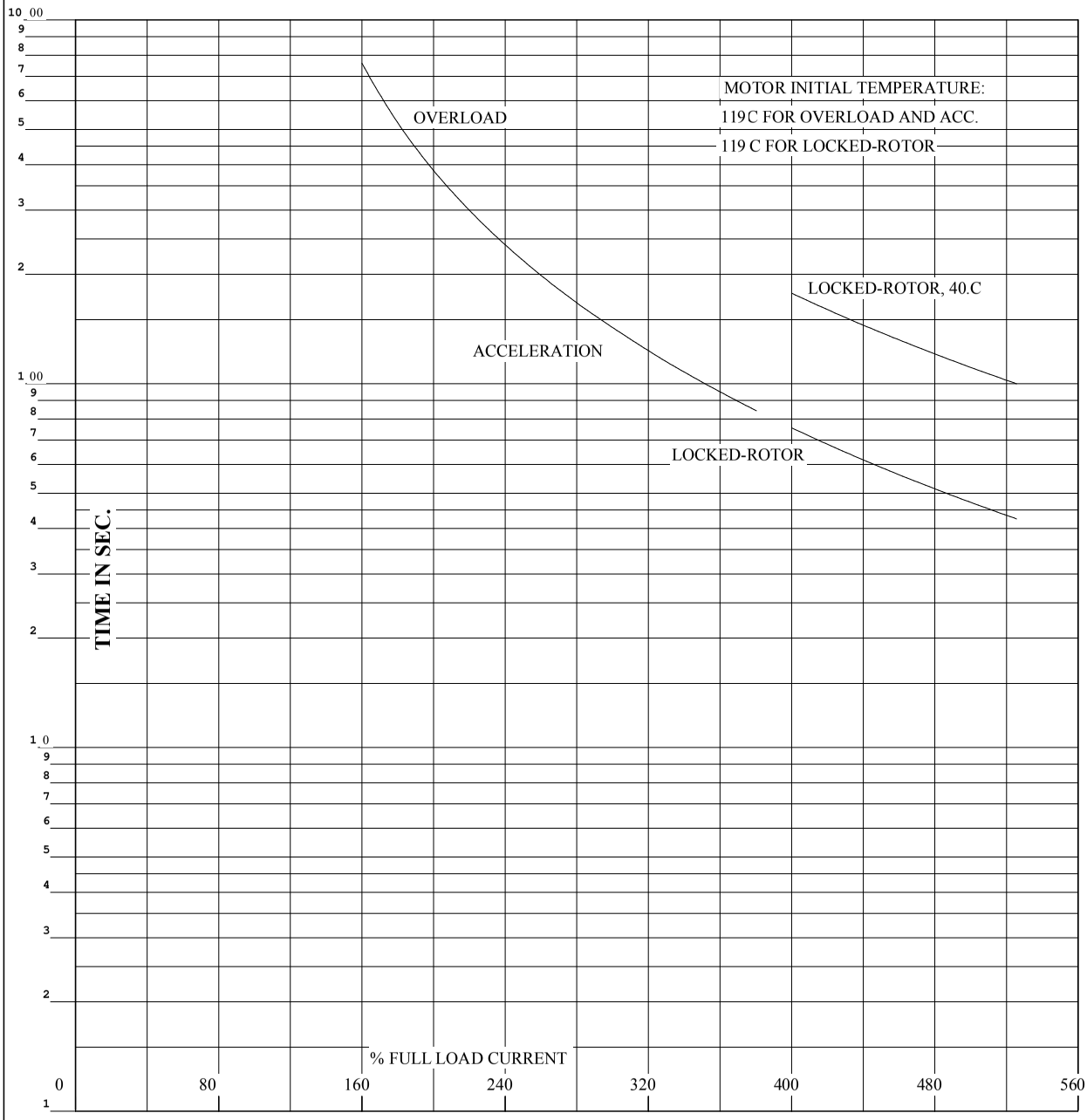
DR. BY	J.J.HARRISON
CK. BY	G.R.WEBB
APP. BY	W.L.SMITH
DATE	06/06/02

A-C MOTOR PERFORMANCE CURVES

A36WG0808-R001

ISSUE DATE 01/07/11 SH 1 OF 2

REL. S.O.	RPM 1775/885	S.F. 1.15	ROTOR 418141-31-TE
FRAME 364T	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 60/15	AMPS 69.6/24.1	CODE LETTER H	TEST DATE ---
TYPE PM	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃.132/.529
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/F	E/S 591538	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE - LOW SPEED RATING

REMARKS: XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 93.0 PCT.

ONE WINDING- VARIABLE TORQUE

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

BALDOR

DR. BY	J.J.HARRISON
CK. BY	G.R.WEBB
APP. BY	W.L.SMITH
DATE	06/06/02

A-C MOTOR PERFORMANCE CURVES

A36WG0808-R001

ISSUE DATE 01/07/11 SH 2 OF 2

DUTY MASTER ALTERNATING CURRENT MOTORS

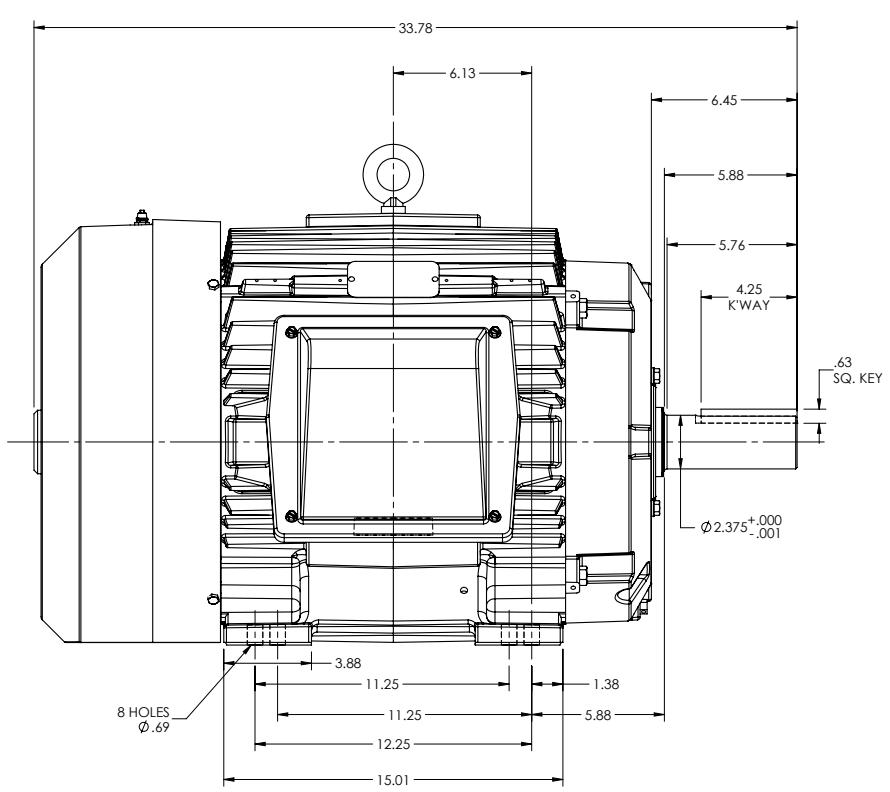
SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

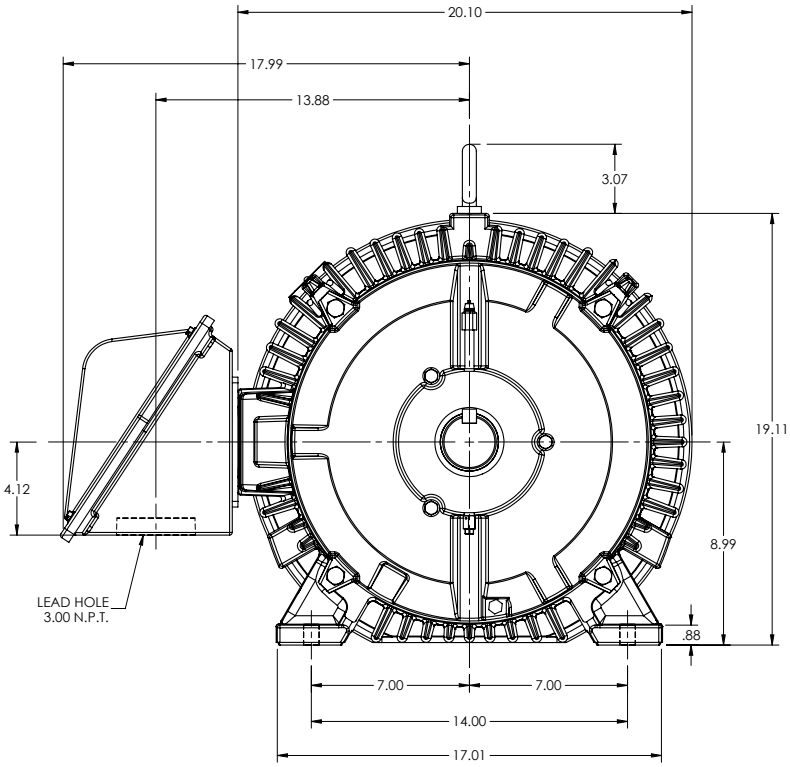
ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

FRAMES 364T-365T

COOLING: FAN COOLED

617438-427





MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF SHAFT EXTENSION IS .002 T.I.R.

WEIGHT (LBS): 836
MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.

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

REV. DESC: REPLACED 611740-501-SH1 FOR P36G6574			
REV: -	VERSION: 00	REVISED: 08:42:40 09/26/2023	TDR: 000001217351
MODEL NO. 617438-427			REF: -
BY: USALMAZ			B

BALDOR - RELIANCE

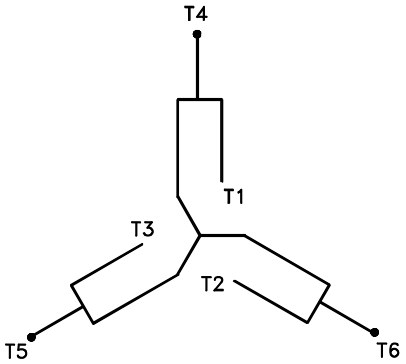
E365/4T TEFC F1 FT CI 2X3" -

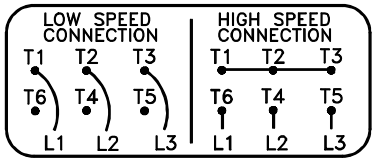
617438-427

416820–007

A–C MOTOR
CONNECTION DIAGRAM

SINGLE WINDING MULTI–SPEEDS VARIABLE TORQUE





(N. P. 1634-DE)

416820–007

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR
REV. LTR: –	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\663		REVISED: 10:52:22 04/30/2010	CONN DIAG – SINGLE WINDING – MULTI–SPEEDS – VARIABLE TORQUE
MTL: –		BY: RAGRA	SH 1 of 1