Customer information packet

ECR92508TR-4

250HP, 900RPM, 3PH, 60HZ, GL449T, TEFC
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	L449T
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	250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Mobil SHC 220 (Athens Only)
Constant Torque Speed Range	30-60
Current @ Voltage	359.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Frame Prefix	L
Heater Indicator	No Heater
High Voltage Full Load Amps	359.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Max Speed	3000 rpm
Motor Lead Quantity/Wire Size	6 @ 2/0 AWG

Part Detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5268
Layout	617423-218
Eff. date	04-20-2021
CD Diagram	416820-036
Poles	08
Leads	3#2/0 (02 per group)
Proprietary	False
Created date	05-07-2015

Motor Standards	NEMA
Motor Type	A44208M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	60.22 IN
Power Factor	68
Product Family	Crusher / Chipper
Pulley End Bearing Type	Roller
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	890 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

000613007PV												
CAT NO	ECR92508TR-4			**SPEC NO.**	P44G1829							
HP	250	**AMPS**	359	**VOLTS**	460			**DESIGN**	A			
RPM	890	**RPM MAX**	3000	**HZ**	60	**AMB**	40	**SF**	1.15			
D.E. BRG.DATA	NU222			**O.D.E. BRG.DATA**	6318			**PH**	3	**DUTY**	CONT	**INSUL.CLASS** F
FRAME	L 449T	**I.P.**	55	**TYPE**	P	**ENCL**	TEFC	**CODE**	H			
POWER FACTOR	68			**3/4 LOAD EFF.**	95.2			**NEMA NOM EFFICIENCY**	95			
CHP HZ	60-90	**CT HZ**	30-60	**VT HZ**	6-60							
SER.NO.				**MOTOR WEIGHT**	3732							

NP2496L
MOBIL SHC -220 GREASE

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	L449T	250	P	3/60	890	460

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

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
-	418143-094-WE	---	---	.0125

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	220	900	2.12	0
1/4	62.6	232	898	27.5	91.9
2/4	125	261	895	47.3	94.7
3/4	187	305	893	60.4	95.2
4/4	250	359	890	68.5	95.0
5/4	313	423	887	73.2	94.5

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	265	3899	2019
PULL UP	630	212	3120	1612
BREAKDOWN	844	268	3950	1205
FULL LOAD	890	100	1474	359

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

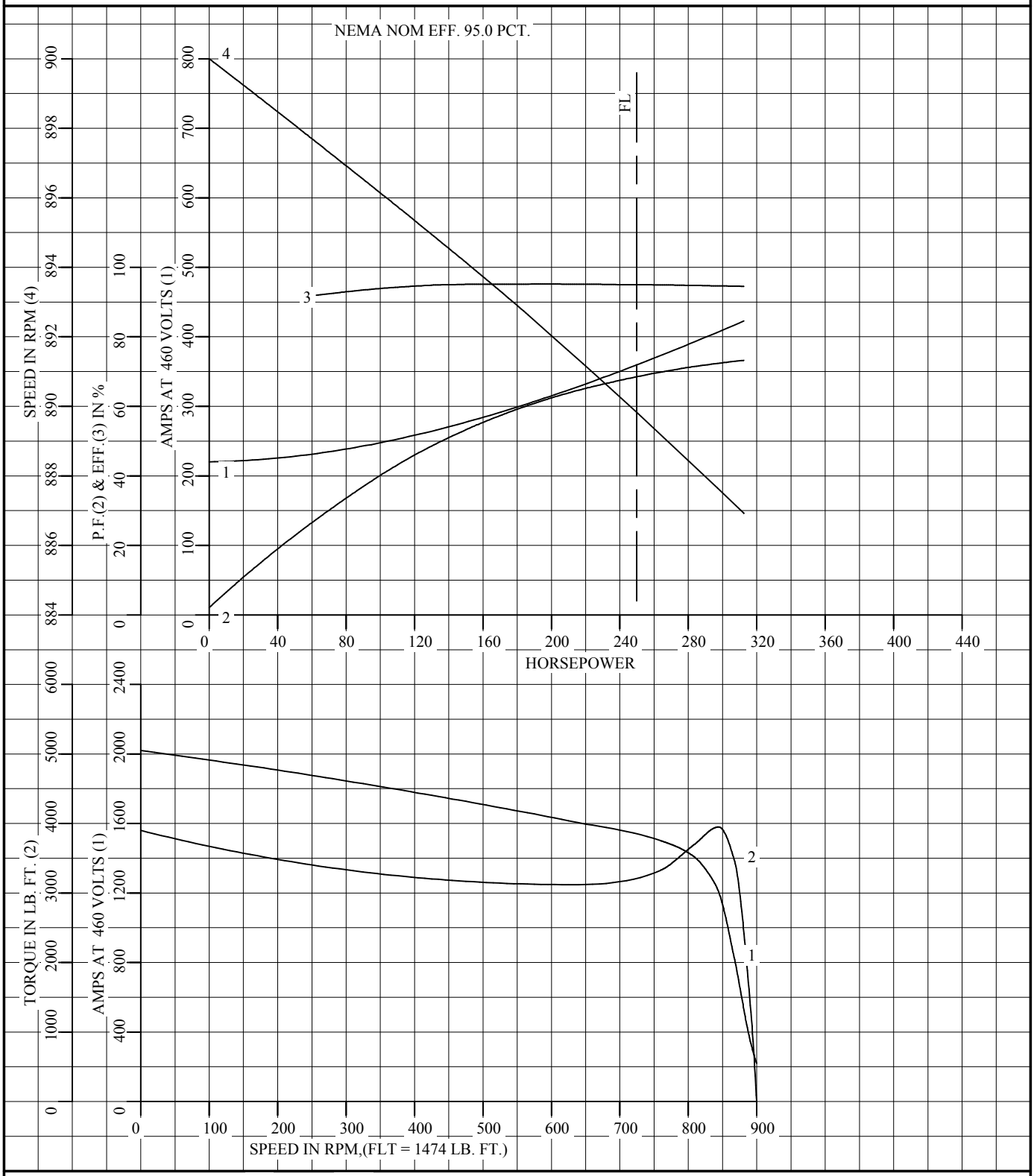
REMARKS: NEMA NOM EFF. 95.0 PCT.

BALDOR A MEMBER OF THE ABB GROUP

DR. BY CD
CK. BY T. KELATI
APP. BY T. KELATI
DATE 08/26/2015

A-C MOTOR PERFORMANCE DATA A44WG5268-R001
ISSUE DATE 08/26/20

REL S.O.		RPM	890	S.F.	1.15	ROTOR	418143-094-WE
FRAME	L449T	VOLTS	460	NEMA DESIGN	A	TEST S.O.	---
HP	250	AMPS	359	CODE LETTER	H	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	TEFC	STATOR RES.@ 25 °C	.0125
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	E/S	–		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
A MEMBER OF THE ABB GROUP

DR. BY	CD
CK. BY	T. KELATI
APP. BY	T. KELATI
DATE	08/26/2015

A-C MOTOR PERFORMANCE CURVES

A44WG5268-R001

ISSUE DATE 08/26/2015

617423-218

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

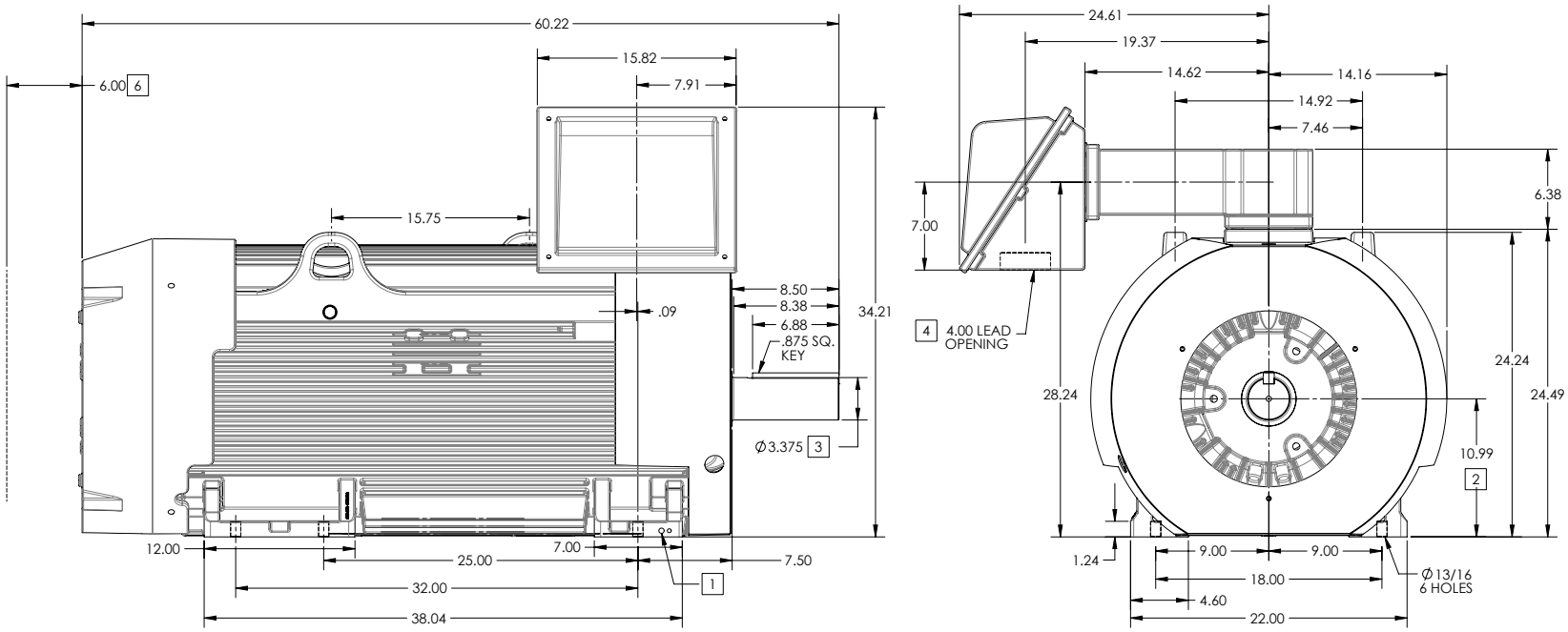
ENCLOSURE: TOTALLY ENCLOSED

FRAME GL449T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES G449T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00,-.06
3. VARIES +.000,-.001
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
6. OBSTRUCTION MUST NO ENCROACH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R. TO 5 INCH DIA.

WEIGHT (LBS): 3875

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

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

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: NEW ISSUE			
REV: -	VERSION: 00	REVISED: 09:28:57 02/11/2015	TDR: 000000884510
MODEL NO. 617423-218			REF:
BY: RAGGDM	Material:		C

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G28 DIMENSION SHEET ASSEMBLY: GL449/449T BA=7.50

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617423-218

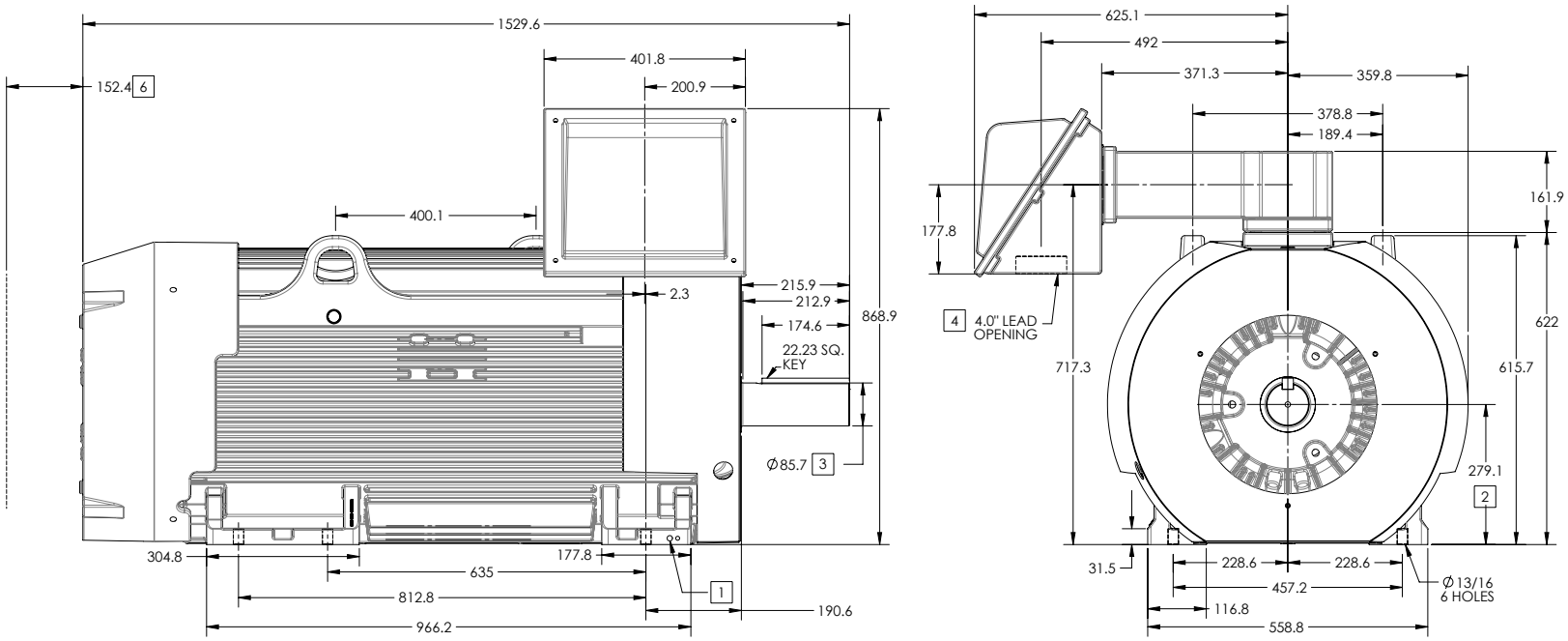
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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED | FRAME GL449T ABOVE NEMA RATINGS | COOLING: FAN COOLED

MOUNTING: FOOT | INCLUDES G449T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00,-.06
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5. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
6. OBSTRUCTION MUST NO ENCROACH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .08 MM T.I.R. TO 127 MM DIA.

WEIGHT (KGS): 1760

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 1 FOR DIMENSIONS IN INCHES

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: NEW ISSUE			
REV: -	VERSION: 00	REVISED: 09:28:57 02/11/2015	TDR: 000000884510
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BALDOR

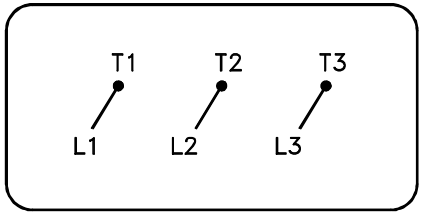
G28 DIMENSION SHEET ASSEMBLY: GL449/449T BA~7.50

617423-218

617423-218

416820–036

A–C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575–BA)

416820–036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR
REV. LTR: –	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11:54:06 04/30/2010	CONN DIAG – STANDARD 3 LEAD
MTL: –		BY: RAGRA	SH 1 of 1