

ABB BALDOR RELIANCE III

Customer information packet

ECR91258TR-4

125HP, 900RPM, 3PH, 60HZ, 447T, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	447T
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	125.000 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	171.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	171.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs
Max Speed	3000 rpm
Motor Lead Quantity/Wire Size	6 @ 2 AWG
Motor Standards	NEMA

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5269
Layout	617427-355
Eff. date	04-08-2021
CD Diagram	416820-036
Poles	08
Leads	3#2 (02 per group)
Proprietary	False
Created date	05-07-2015

Motor Type	A44120M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	48.24 IN
Power Factor	73
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	ECR91258TR-4			SPEC NO.		P44G1826							
HP	125	AMPS	171			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		
FRAME	447T		I.P.	55	TYPE	P	ENCL	TEFC	CODE	G			
POWER FACTOR	73		3/4 LOAD EFF.			94.2		NEMA NOM EFFICIENCY				94.1	
CHP HZ	60-90		CT HZ		30-60		VT HZ		6-60				
SER.NO.				MOTOR WEIGHT			2380						

NP2496L	
MOBIL SHC -220 GREASE	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449T	125	P	3/60	890	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
171	CONT	40/F	1.15	A	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418143-103CE	---	---	.0277		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	94.5	900	3.74	0	
1/4	31.3	101	898	32.6	88.7	
2/4	62.6	118	895	53.2	93.1	
3/4	93.7	142	893	65.5	94.2	
4/4	125	171	890	72.6	94.4	
5/4	156	203	887	76.5	94.1	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	255	1878	970	
PULL UP		630	209	1545	811	
BREAKDOWN		846	272	2005	594	
FULL LOAD		890	100	738	171	
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. 94.1 PCT.						
		DR. BY	CD	A-C MOTOR PERFORMANCE DATA		
		CK. BY	T. KELATI			
		APP. BY	T. KELATI			
		DATE	08/26/15			
				A44WG5269-R001 ISSUE DATE 08/26/15		

REL S.O.

RPM 890

S.F. 1.15

ROTOR 418143-103CE

FRAME 449T

VOLTS 460

NEMA DESIGN A

TEST S.O. ---

HP 125

AMPS 171

CODE LETTER G

TEST DATE ---

TYPE P

DUTY CONT

ENCLOSURE TEFC

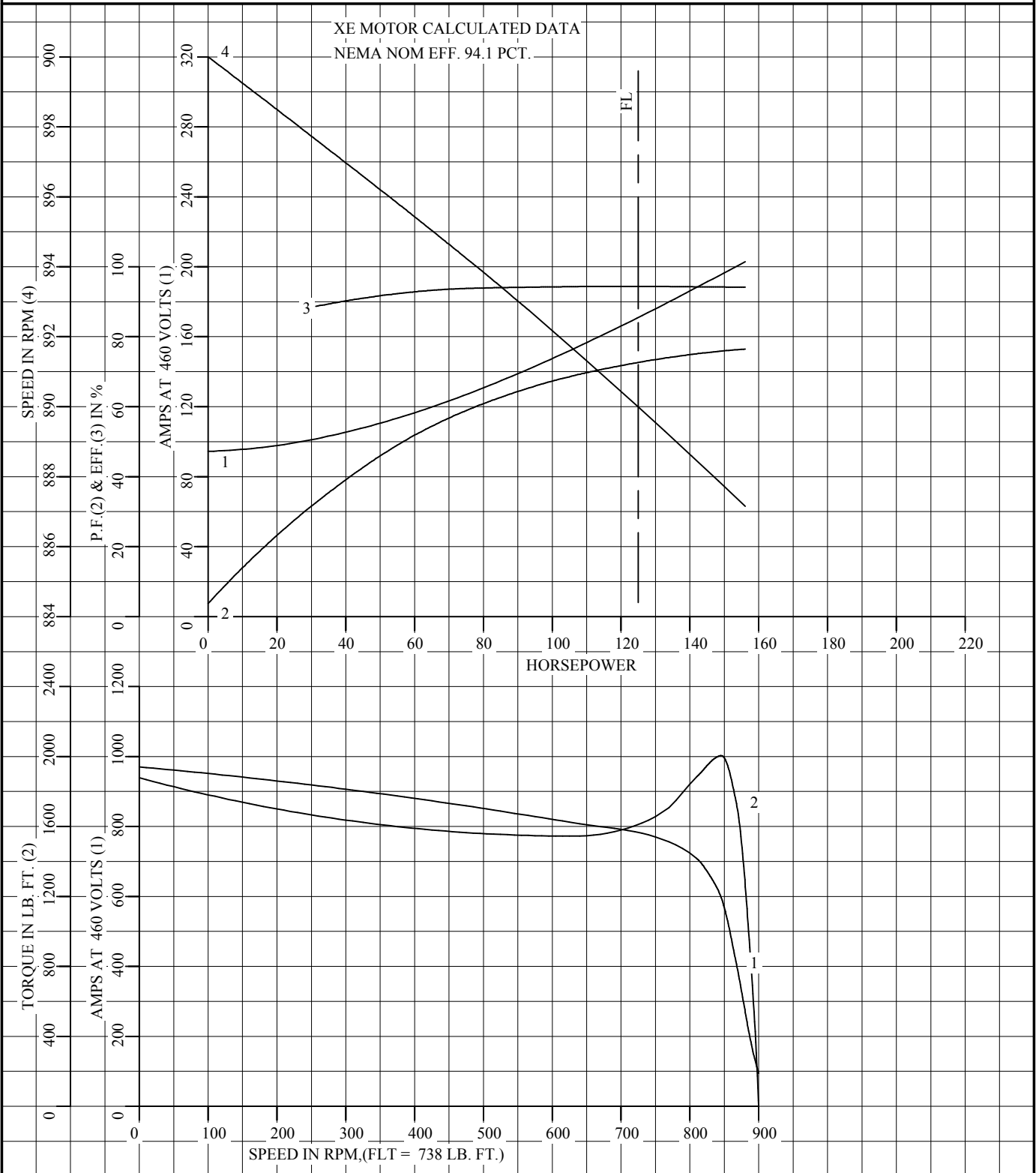
STATOR RES. @ 25 °C .0277

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 08/26/15

**A-C MOTOR
PERFORMANCE
CURVES**

A44WG5269-R001

ISSUE DATE 08/26/15 Page 7 of 10

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

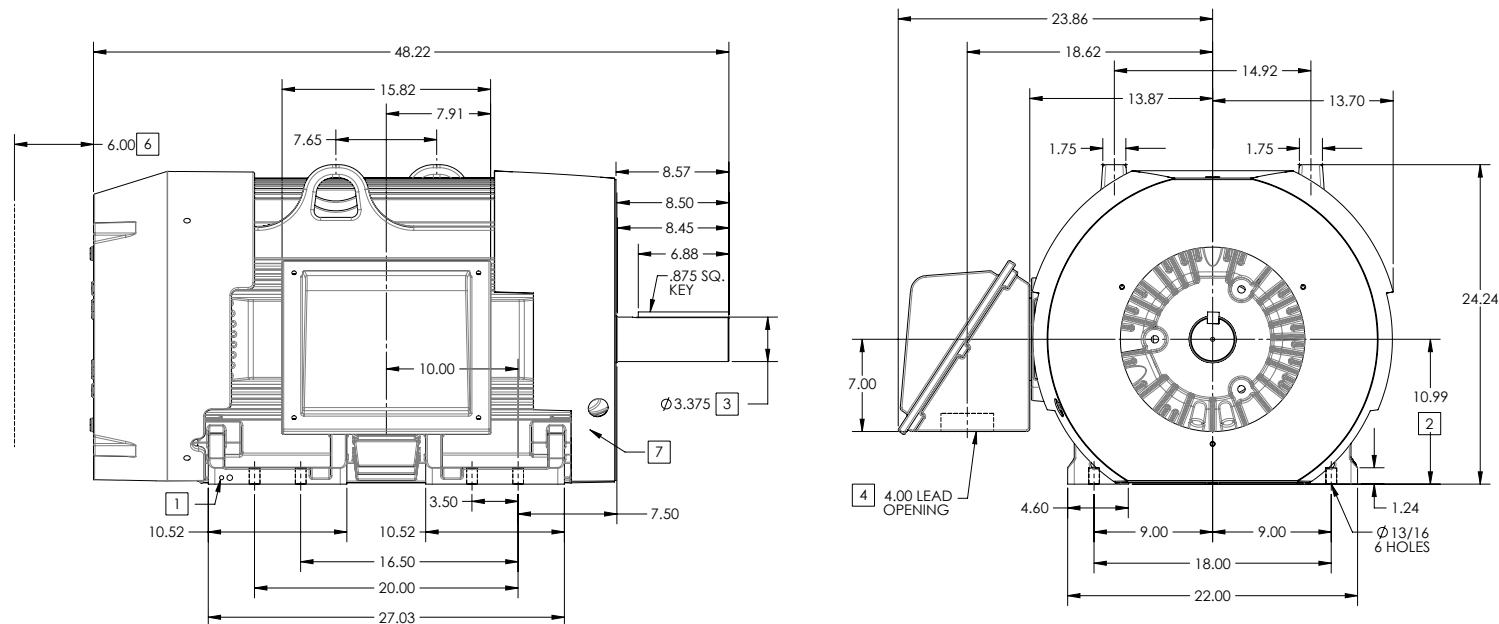
ENCLOSURE: TOTALLY ENCLOSED

FRAME G447T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES $\pm .00$, $-.06$
3. VARIES $\pm .000$, $-.001$
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.
7. AIR DEFLECTOR INSTALLED WHEN REQUIRED.

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.

[5] WEIGHT (LBS): 2515

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.

SHEET NUMBER
1 OF 2
SS5-27-119

REV. DESC: NEW ISSUE	VERSION: 00	REVISED: 04/29/05 (02/09/2015)	TDR: 000000884510
MODEL NO. 617427-355	REF:		
BY: RAGGDM	Material:		

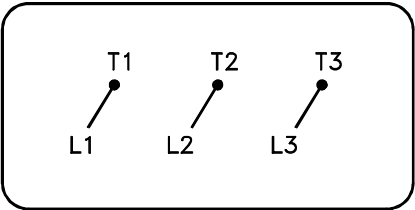
BALDOR

G447T/445T STD FOOTED SIDE/CENTER C/B WITH AIR DEFLECTOR

617427-355

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		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010
MTL: -		BY: RAGRA

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1