



Customer information packet

DRX36624T

60HP, 3560RPM, 3PH, 60HZ, 364TS, TEFC, F1

Class - CLI GP C,D

Division - Division I

Specifications

Enclosure	TEFC
Frame	364TS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV CSA UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	6-60
Current @ Voltage	130.000 A @ 230.0 V 65.100 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	65.1 a
Insulation Class	F
Inverter Code	Inverter Ready

Part detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1558
Layout	611742-779
Eff. date	05-29-2019
CD Diagram	416820-002
Poles	02
Leads	3#4,6#6
Proprietary	False
Created date	04-30-2019

IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	4200 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36056M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.35 IN
Power Factor	91
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3560 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

NP2496L	
MOBIL POLYREX EM	

000692000FX

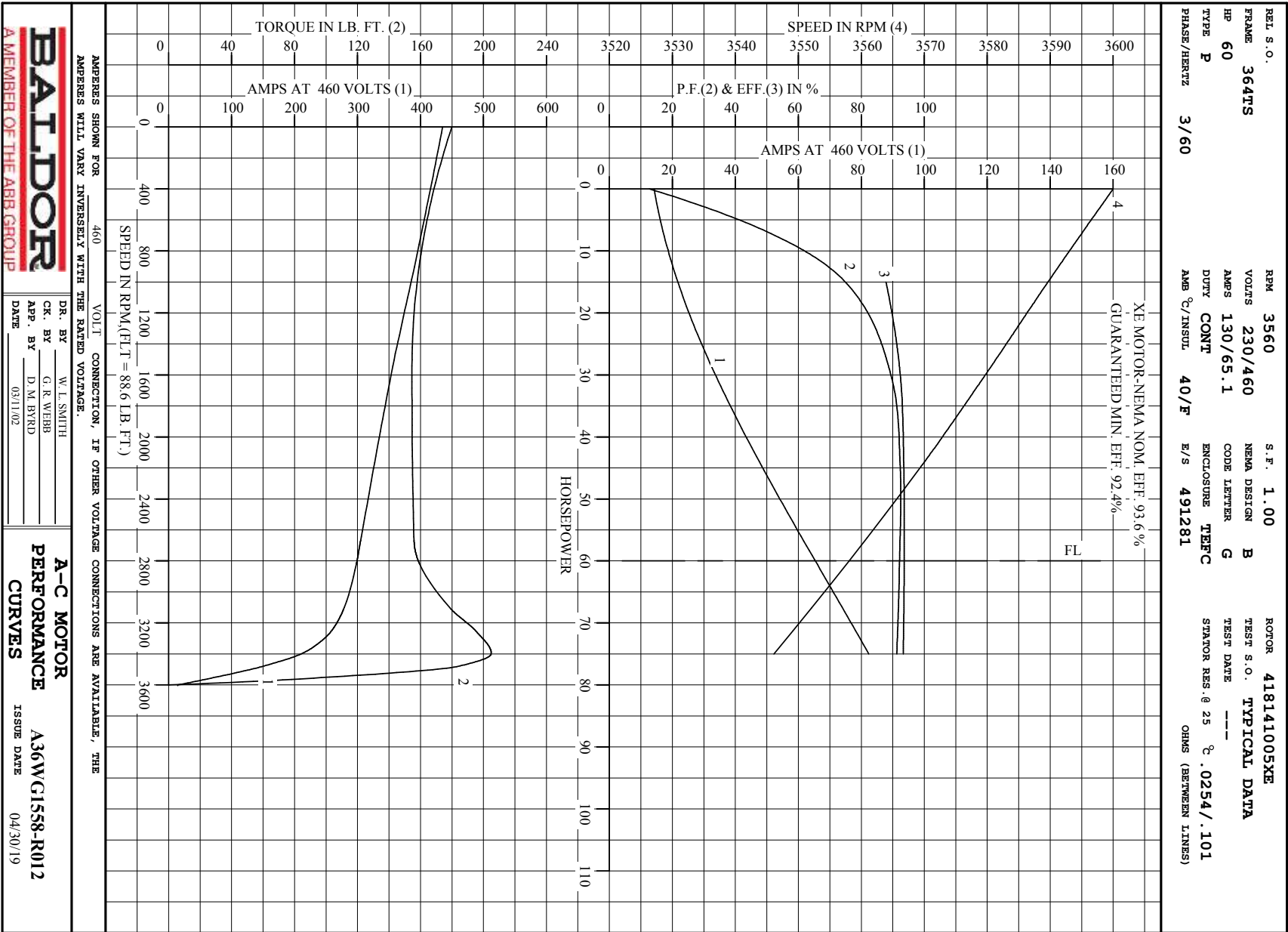


000613006PC		
CLASS I GROUP	C D X	NO.
CLASS II GROUP	X X X	
OPERATING TEMP CODE	T3C	

NP3140L

SPEC NO.	A36-7814-1558			CAT.NO.	DRX36624T					FRAME	364TS
HP	60	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P	
RPM	3560	AMPS	130/65.1		HZ	60	AMB	40	SF	1.00	
DRIVE END BEARING	65BC03J30X		DUTY	CONT	INSUL.CLASS			F			
OPP D.E. BEARING	65BC03J30X		ENCL	TEFC	CODE	G					
SF	1.15	WK2	MAG CUR		28.8/14.4		RPM MAX	4200			
CT HZ	6-60	VT HZ	0-60	CHP HZ	60-70		NEMA-NOM-EFF		93.6		
	SUIT FOR 55C AMB AT 1.00 SF					IP55					
SER.NO.				MOTOR WEIGHT		1023					

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TS	60	P	3/60	3560	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
130/65.1	CONT	40/F	1.00	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
491281	418141005XE	---	---	.0254/.101		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	14.4	3600	12.7	0	
1/4	15.0	21.3	3590	74.9	87.8	
2/4	30.0	34.0	3580	89.4	92.4	
3/4	45.0	48.8	3569	92.4	93.5	
4/4	60.0	65.1	3558	92.1	93.6	
5/4	75.0	82.5	3546	91.3	93.3	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	203	180	435		
PULL UP	1565	175	155	355		
BREAKDOWN	3397	231	205	212		
FULL LOAD	3558	100	88.6	65.1		
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-NEMA NOM. EFF. 93.6 % GUARANTEED MIN. EFF. 92.4%						
 A MEMBER OF THE ABB GROUP		DR. BY <u>W. L. SMITH</u> CK. BY <u>G. R. WEBS</u> APP. BY <u>D. M. BYRD</u> DATE <u>03/11/02</u>		A-C MOTOR PERFORMANCE DATA A36WG1558-R012 ISSUE DATE 04/30/19		



REL. S.O.
FRAME 364TS
HP 60
TYPE P
PHASE/HERTZ 3/60

RPM 3560
VOLTS 230/460
AMPS 130/65.1
DUTY CONT
AMB °C/INSUL 40/F

S.F. 1.00
NEMA DESIGN B
CODE LETTER G
ENCLOSURE TEFC
E/S 491281

ROTOR 418141005XE
TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES @ 25 °C.0254/.101
OHMS (BETWEEN LINES)

10.00
9
8
7
6
5
4
3
2

OVERLOAD
ACCELERATION
LOCKED-ROTOR, 40 C
LOCKED-ROTOR
MOTOR INITIAL TEMPERATURE:
100C FOR OVERLOAD AND ACC
100 C FOR LOCKED-ROTOR

1.00
.9
.8
.7
.6
.5
.4
.3
.2
1

TIME IN SEC.

0 200 400 600 800 1000 1200 1400

% FULL LOAD CURRENT

1.0
.9
.8
.7
.6
.5
.4
.3
.2
1
0

THERMAL LIMIT CURVE
REMARKS:
XE MOTOR-NEMA NOM. EFF. 93.6 %
GUARANTEED MIN. EFF. 92.4%

AMPERES SHOWN FOR 460
AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE

DR. BY W.L. SMITH
CK. BY G.R. WEBB
APP. BY D.M. BYRD
DATE 03/11/02

A-C MOTOR
PERFORMANCE
CURVES
A36WG1558-R012
ISSUE DATE 04/30/19

A MEMBER OF THE ABB GROUP

Printed on 4/30/19 14:54 @ bengap01.ba

DUTY MASTER ALTERNATING CURRENT MOTORS

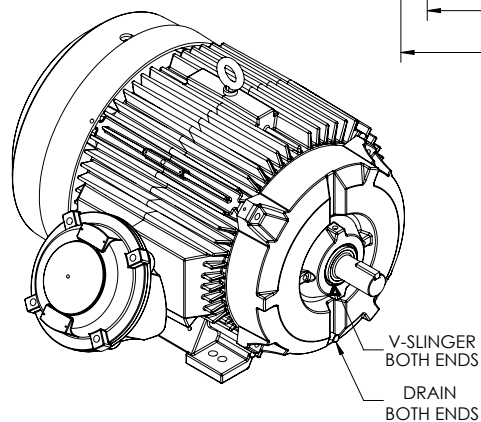
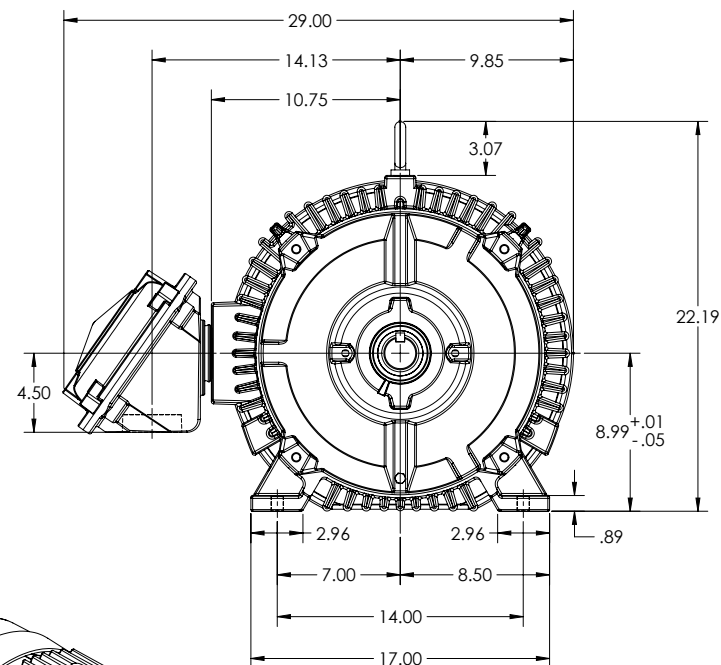
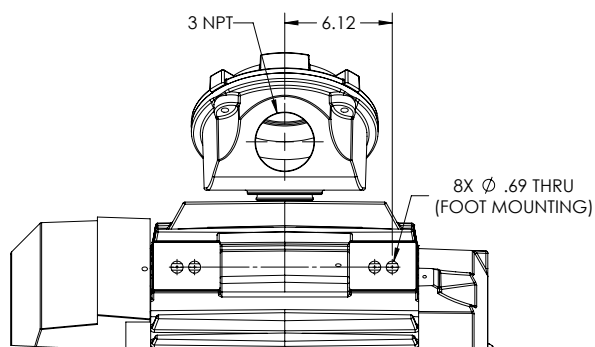
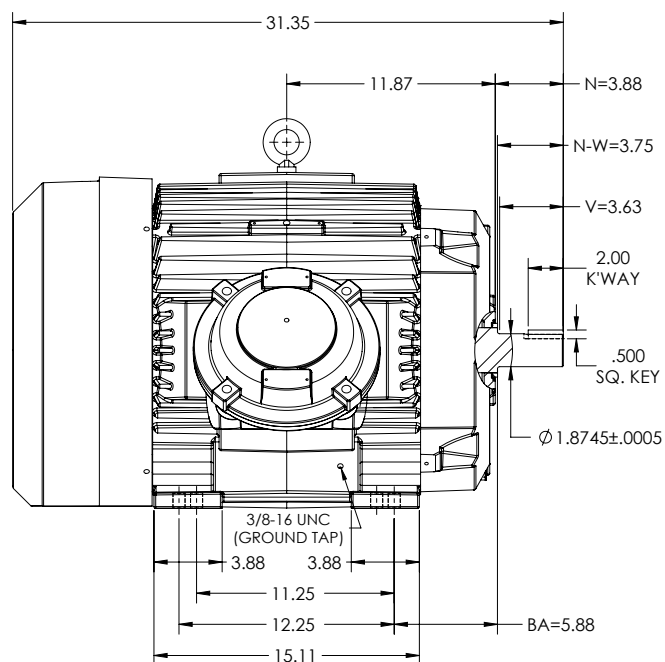
611742-779

ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F-1

E365TS/E364TS FRAME MOUNTING HOLES

COOLING: FAN COOLED



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

REV. DESC: NEW DRAWING			
REV: .	VERSION: 00	REVISED: 01:54:43 04/30/2019	TDR: 000001107162
MODEL NO. 611742-779			
BY: USJEDIL			

BALDOR

E365/364TS FCXP F1 FOOT/CI CONDUIT BOX/GROUND TAP/DRAINS

SHEET NUMBER
1 OF 1

611-74-119

MOTOR WEIGHT (LBS) = 944, MAY VARY BY 15% DEPENDING RATING.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

CONNECTION DIAGRAM
ACCESSORIES

MOTOR WINDING THERMOSTATS		
CONTACTS	@	° C
FIGURE NUMBER		
CONTACT RATING		
VOLTS	CONTINUOUS AMPERES	INRUSH AMPERES
110-120	3.0	30
220-240	1.5	15
440-480	0.75	7.5
550-600	0.60	6.0

THERMOSTATS	
NORMALLY CLOSED	NORMALLY OPEN
FIGURE 1	FIGURE 4
FIGURE 2	FIGURE 5
FIGURE 3	FIGURE 6
FIGURE 7	FIGURE 8

CUSTOMER _____ CUSTOMER ORDER NO. _____ S.O. NO. _____

418174-006

418174-006

REV. DESC: LOADED TO BUS		
REV. LTR: A	VERSION: 01	TDR: 000000570390
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MTL: -		

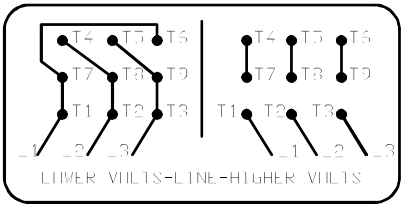
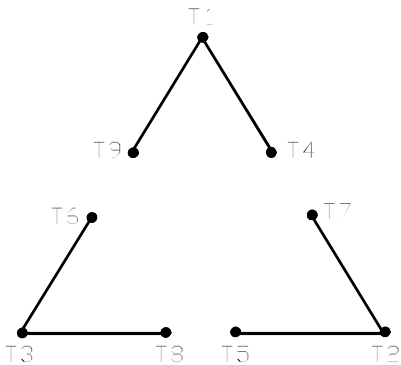
BALDOR

A-C MOTOR CONNECTION ACCESSORIES

SH 1 of 1

416820-002

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



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
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FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
MTL: —	⊗ ◻	

BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
SH 1 of 1

416820-002