

ABB BALDOR RELIANCE III

Customer information packet

CEWDM4312T

50HP, 1185RPM, 3PH, 60HZ, 365TC, A3668M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	365TC
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	50.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	124.000 A @ 230.0 V 132.000 A @ 208.0 V 62.000 A @ 460.0 V
Design Code	B
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	62.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG

Part Detail

Revision	G
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4262
Layout	617428-348
Eff. date	01-12-2023
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	10-03-2022

Motor Standards	NEMA
Motor Type	A3668M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.48 IN
Power Factor	81
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1185 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L



NP2428L

SPEC NO.	A36-8075-4262			CAT.NO.	CEWDM4312T					FRAME	365TC	
HP	50	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P		
RPM	1185	AMPS	124/62		HZ	60	AMB	40	SF	1.15		
DRIVE END BEARING	65BC03JGG30A		DUTY	CONT	INSUL.CLASS			F				
OPP D.E. BEARING	65BC03JGG30A		ENCL	TEFC	CODE	G						
SER.NO.				POWER FACTOR	81	NEMA-NOM-EFFICIENCY					94.1	
	10:1 CT AND 10:1 VT ON VPWM					MAX CORR KVAR		15.8	GUARANTEED EFFICIENCY			93
	INVERTER, 1.00SF					NEMA NOM/CSA QUOTED EFF						
	IP55										MOTOR WEIGHT	908

ABB BALDOR RELIANCE III							CUSTOMER INFORMATION PACKET							CEWDM4312T - 50 HP, 1185 RPM, 3 PH, 60 HZ, 365 TC, A3668M, TEFC						
S/O			FRAME			HP			TYPE			PHASE/ HERTZ			RPM			VOLTS		
			365HP			50			P			3/60			1185			230/460		
AMPS			DUTY			AMB °C/ INSUL			S.F.			NEMA DESIGN			CODE LETTER			ENCLOSURE		
124/61.9			CONT			40/F			1.15			B			G			TEFC		
E/S			ROTOR			TEST S.O.			TEST DATE			STATOR RES. @25 °C OHMS (BETWEEN LINES)								
-			418141089AE			---			---			.0290/.116								
PERFORMANCE																				
LOAD			HP			AMPERES			RPM			% POWER FACTOR			% EFFICIENCY					
NO LOAD			0			23.9			1200			5.00			0					
1/4			12.5			28.4			1197			45.8			90.1					
2/4			25.0			37.2			1194			67.2			93.6					
3/4			37.5			48.7			1191			76.4			94.3					
4/4			50.0			61.9			1188			80.3			94.2					
5/4			62.5			76.1			1185			82.0			93.7					
SPEED TORQUE																				
						RPM			TORQUE % FULL LOAD			TORQUE LB.-FT.			AMPERES					
LOCKED ROTOR						0			165			365			375					
PULL UP						540			147			325			335					
BREAKDOWN						1135			253			559			200					
FULL LOAD						1188			100			221			61.9					
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.																				
TYPICAL DATA NEMA NOM. EFF. 94.1 PCT																				
						DRAWN BY: <u>C.B.ATANGANE</u> CHECKED BY: <u>J. P. TSAO</u> APPROVED BY: <u>W. L. SMITH</u> DATE: <u>11/12/25</u>						AC MOTOR PERFORMANCE DATA			A36WG4262-R001 DATE ISSUED 11/12/25					

FRAME 365HP

RPM 1185

S.F. 1.15

ROTOR 418141089AE

HP 50

VOLTS 230/460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

TYPE P

AMPS 124/61.9

CODE LETTER G

TEST DATE ---

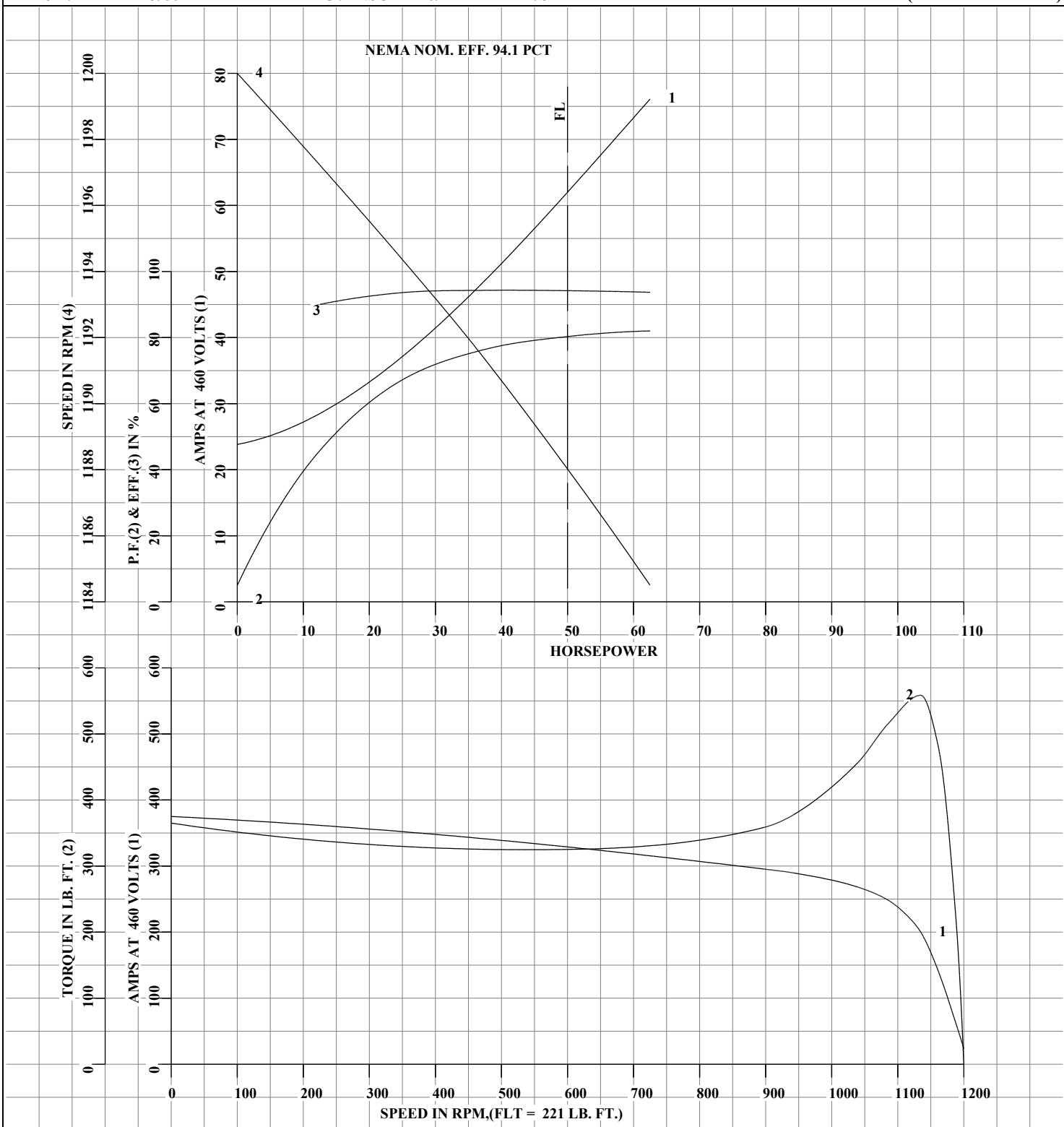
PHASE / HERTZ 3/60

DUTY CONT

ENCLOSURE TEFC

STATOR RES. @ 25°C .0290/.116

OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

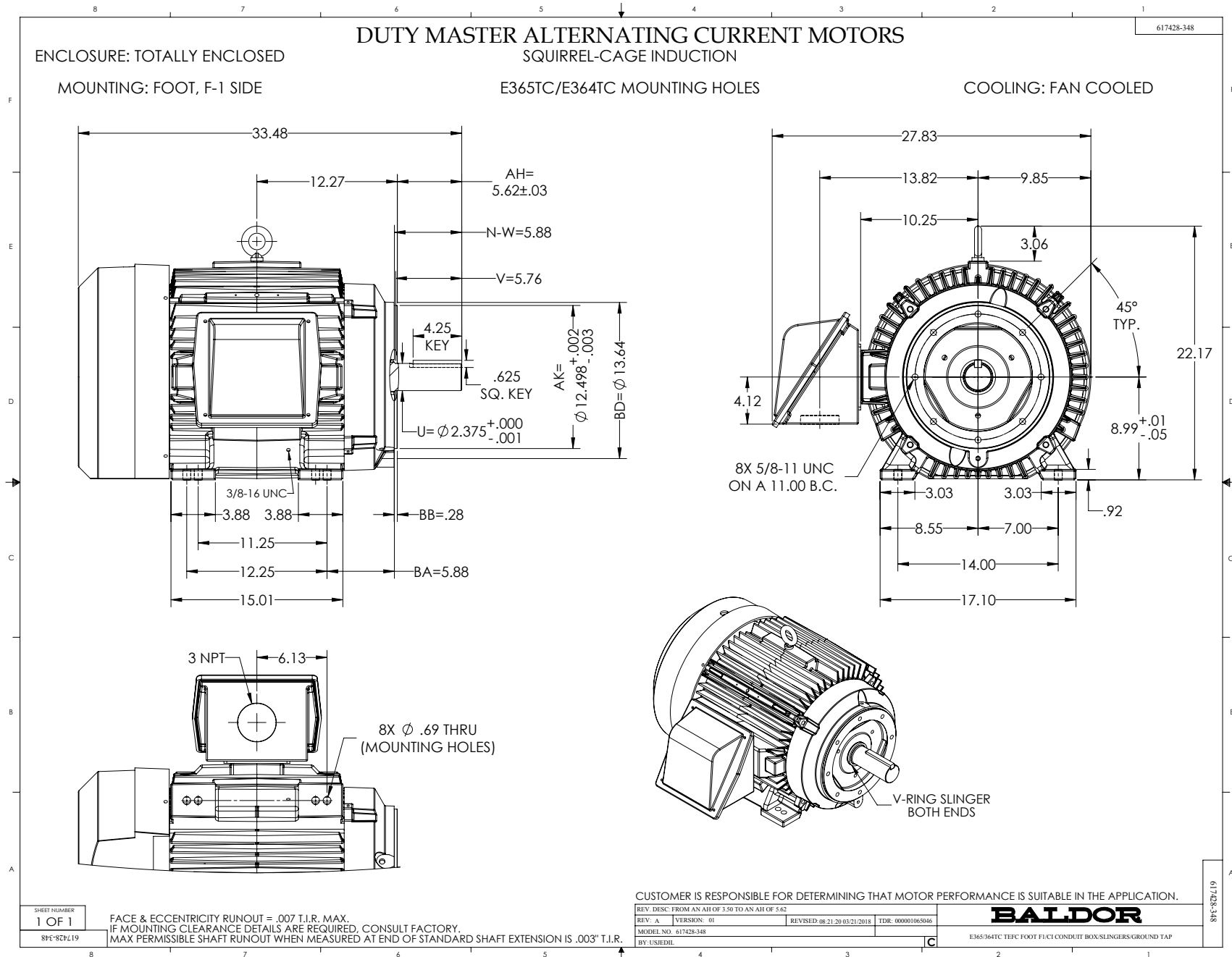


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AC MOTOR
PERFORMANCE
DATA

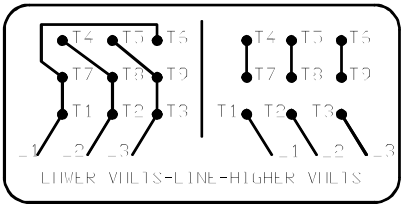
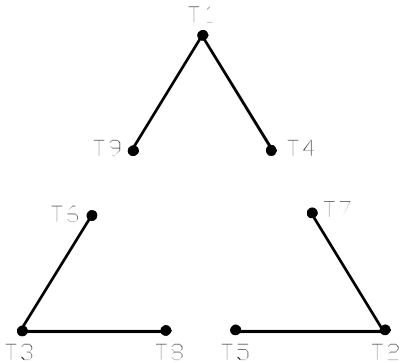
A36WG4262-R001

ISSUE DATE 11/12/25



416820-002

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



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
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