

ABB BALDOR RELIANCE III

Customer information packet

EM2551T-CI

75HP, 1780RPM, 3PH, 60HZ, 365T, ODP, FOOT,

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
Frame	365T
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	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	177.000 A @ 230.0 V 88.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	88.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA

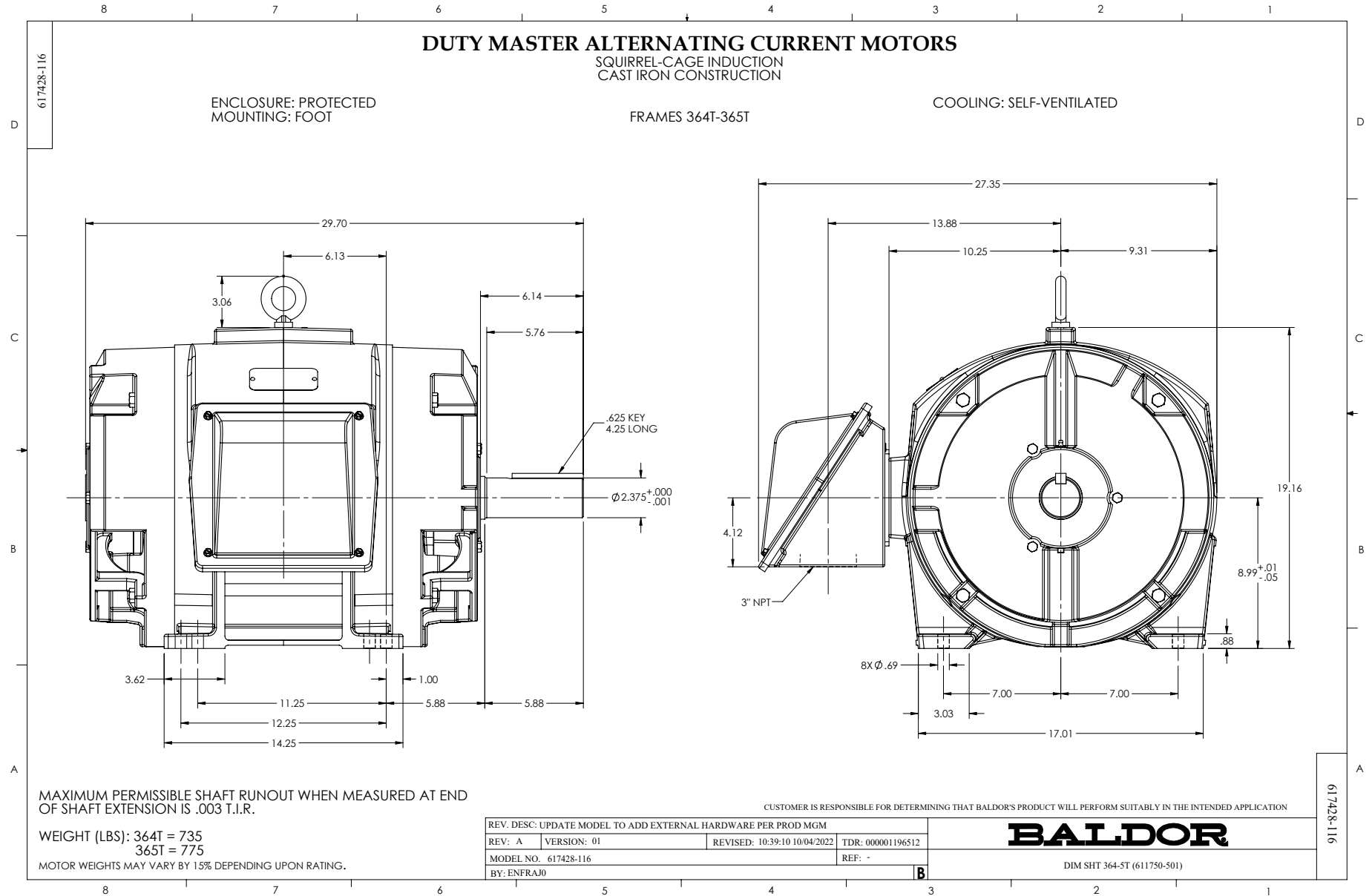
Part Detail

Revision	P
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1764
Layout	617428-116
Eff. date	07-24-2025
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	10-19-2010

Motor Type	A3658M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	29.70 IN
Power Factor	83
Pulley End Bearing Type	Ball
Pulley Face Code	P-Base
Service Factor	1.15
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

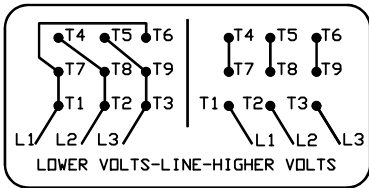
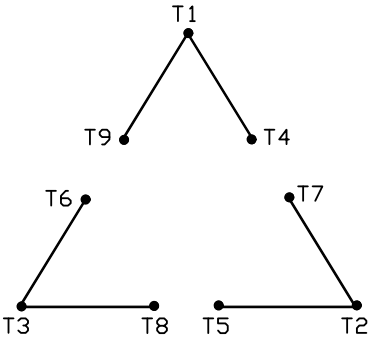
Nameplate

NP2377L														
CAT.NO.	EM2551T-CI					SPEC NO.		P36G52						
HP	75	AMPS	177/88.5			VOLTS		230/460			DESIGN	B		
FRAME	365T		RPM	1785	HZ	60	AMB	40	SF	1.15				
DRIVE END BEARING	65BC03J30X			PHASE	3	DUTY	CONT		INSUL.CLASS		F			
OPP D.E. BEARING	65BC03J30X			TYPE	P	ENCL	DP	CODE	G					
SER.NO.				POWER FACTOR			83		NEMA-NOM-EFFICIENCY			95		
							MAX CORR KVAR		15.0	GUARANTEED EFFICIENCY		94.5		
							NEMA NOM/CSA QUOTED EFF							
							MOTOR WEIGHT							



416820-002

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



(N. P. 1575-B)

416820-002

REV. DESC: ADJUST TEXT DARKNESS		
REV. LTR: B	VERSION: 02	TDR: 000001285318
FILE: \RAG\00022\453	REVISED: 09:36:26 09/24/2026	BY: USJOSUL
MTL: -		

CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

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