ABB BALDOR RELIANCE

Customer information packet

EM2551T-8

75HP, 1780RPM, 3PH, 60HZ, 365T, A36056M, DP, F1
Class - None
Division - Not Applicable

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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	200.0 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	202.000 A @ 200.0 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	202.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 6 AWG
Motor Standards	Other
Motor Type	A3658M
Mounting Arrangement	F1

Part Detail

Revision	M
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4210
Layout	617428-130
Eff. date	09-29-2025
CD Diagram	CD0695
Poles	04
Leads	6#6
Proprietary	False
Created date	09-23-2011

Number of Poles	4
Overall Length	29.70 IN
Power Factor	84
Product Family	Other
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Part Winding
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2377L												
CAT.NO.	EM2551T-8				**SPEC NO.**	P36G3422						
HP	75	**AMPS**	202			**VOLTS**	200			**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**	84				**NEMA-NOM-EFFICIENCY**	95	
							MAX CORR KVAR	19		**GUARANTEED EFFICIENCY**	94.1	
										NEMA NOM/CSA QUOTED EFF		
							MOTOR WEIGHT					

NP2496L
MOBIL POLYREX EM

Accessories

Part number	Description	Multiplier
14-1401	C FACE KIT	
14EP1601A01SP	D-FLANGE KIT	

DUTY MASTER ALTERNATING CURRENT MOTORS

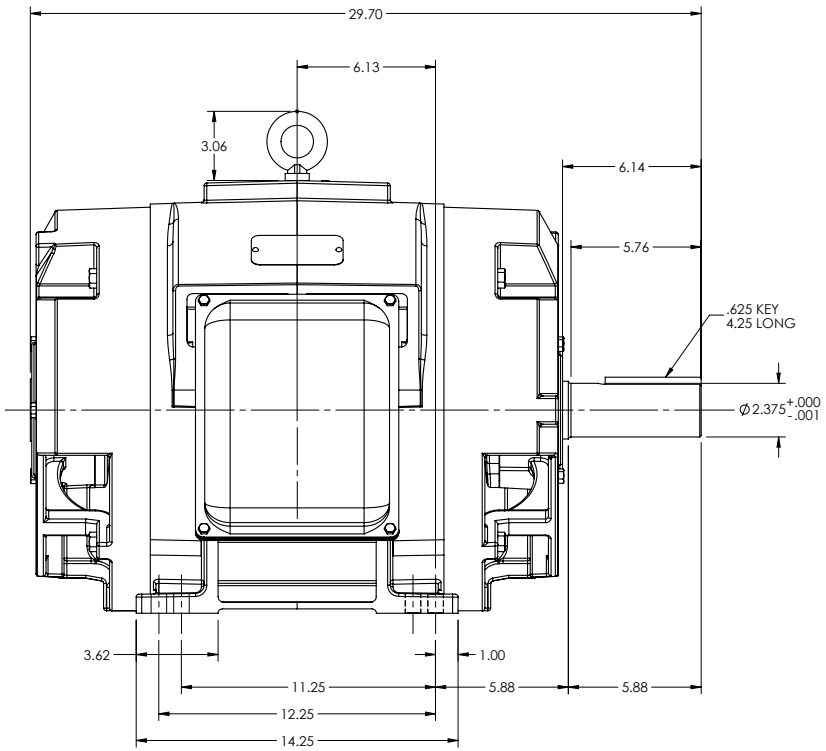
SQUIRREL-CAGE INDUCTION

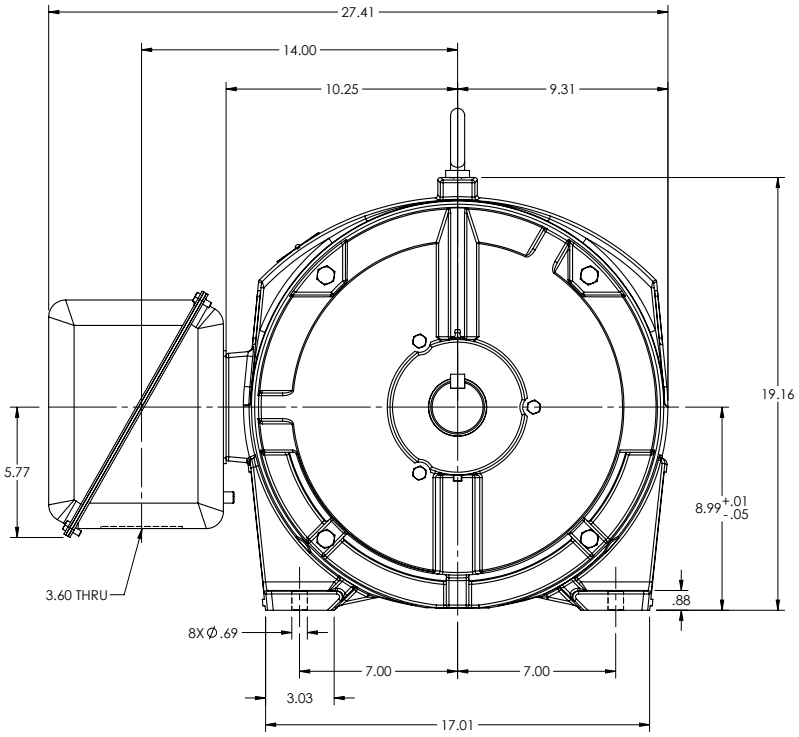
617428-130

ENCLOSURE: PROTECTED
MOUNTING: FOOT

FRAMES 364T-365T

COOLING: SELF-VENTILATED





MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF SHAFT EXTENSION IS .003 T.I.R.

WEIGHT (LBS): 364T = 715
365T = 755

MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: UPDATE MODEL TO ADD EXTERNAL HARDWARE PER PROD MGM			
REV: A	VERSION: 01	REVISED: 10:52:42 10/04/2022	TDR: 000001196512
MODEL NO. 617428-130			REF: -
BY: ENFRAJ0			B

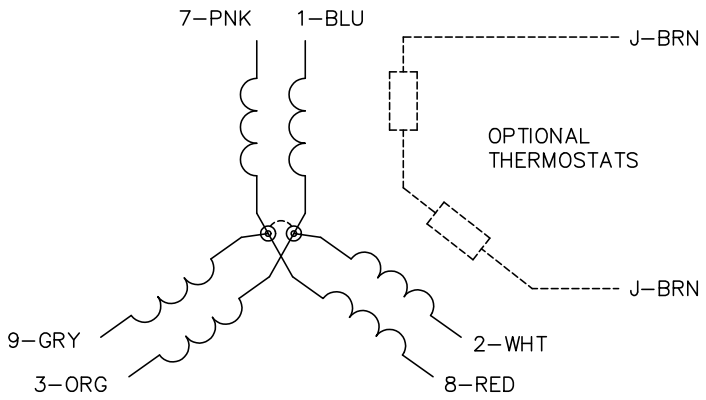
BALDOR

DIM SHT PROT SV FT 364-5T (611750-001)

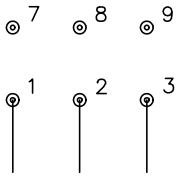
617428-130

CD0695

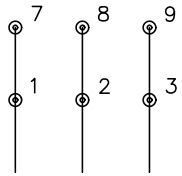
TYPICAL WYE–CONNECTED MOTOR



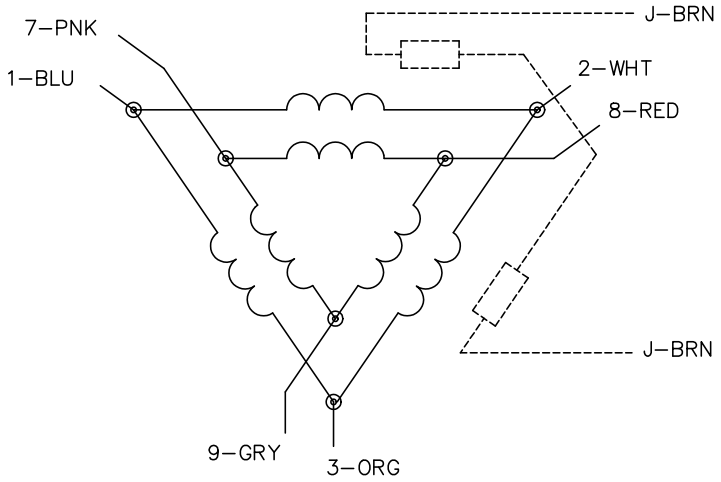
START CONNECTION



RUN CONNECTION



TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. MOTOR MAY BE WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0695

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: C	BY: JLP	REVISED: 01/21/99 3:19	TDR: 0171435
CD0695		FILE: AAA00005151	MDL: –
		MTL: –	3PH, SV, 6 LEADS, PART WINDING START