

# ABB BALDOR RELIANCE III

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## Customer information packet

### EM2551T-8

75HP, 1780RPM, 3PH, 60HZ, 365T, A36056M, DP, F1

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	DP
<b>Frame</b>	365T
<b>Frame Material</b>	Iron
<b>Frequency</b>	60.00 Hz
<b>Haz Area Class and Group</b>	None
<b>Haz Area Division</b>	Not Applicable
<b>Motor Letter Type</b>	Three Phase
<b>Output @ Frequency</b>	75.000 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	200.0 V @ 60 HZ
<b>Agency Approvals</b>	CURUSEEV
<b>Ambient Temperature</b>	40 °C
<b>Auxiliary Box</b>	NO AUXILLARY BOX
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Current @ Voltage</b>	202.000 A @ 200.0 V
<b>Design Code</b>	B
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	95.0 %
<b>Feedback Device</b>	NO FEEDBACK
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	202.0 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Ready
<b>KVA Code</b>	G
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Motor Lead Quantity/Wire Size</b>	6 @ 6 AWG
<b>Motor Standards</b>	Other
<b>Motor Type</b>	A3658M
<b>Mounting Arrangement</b>	F1

**Part Detail**

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

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

**Nameplate**

**NP2377L**

<b>CAT.NO.</b>	EM2551T-8	<b>SPEC NO.</b>	P36G3422						
<b>HP</b>	75	<b>AMPS</b>	202	<b>VOLTS</b>	200	<b>DESIGN</b>	B		
<b>FRAME</b>	365T	<b>RPM</b>	1785	<b>HZ</b>	60	<b>AMB</b>	40	<b>SF</b>	1.15
<b>DRIVE END BEARING</b>	65BC03J30X	<b>PHASE</b>	3	<b>DUTY</b>	CONT	<b>INSUL.CLASS</b>	F		
<b>OPP D.E. BEARING</b>	65BC03J30X	<b>TYPE</b>	P	<b>ENCL</b>	DP	<b>CODE</b>	G		
<b>SER.NO.</b>		<b>POWER FACTOR</b>	84	<b>NEMA-NOM-EFFICIENCY</b>	95				
		<b>MAX CORR KVAR</b>	19	<b>GUARANTEED EFFICIENCY</b>	94.1				
		<b>NEMA NOM/CSA QUOTED EFF</b>							
		<b>MOTOR WEIGHT</b>							

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**NP2496L**

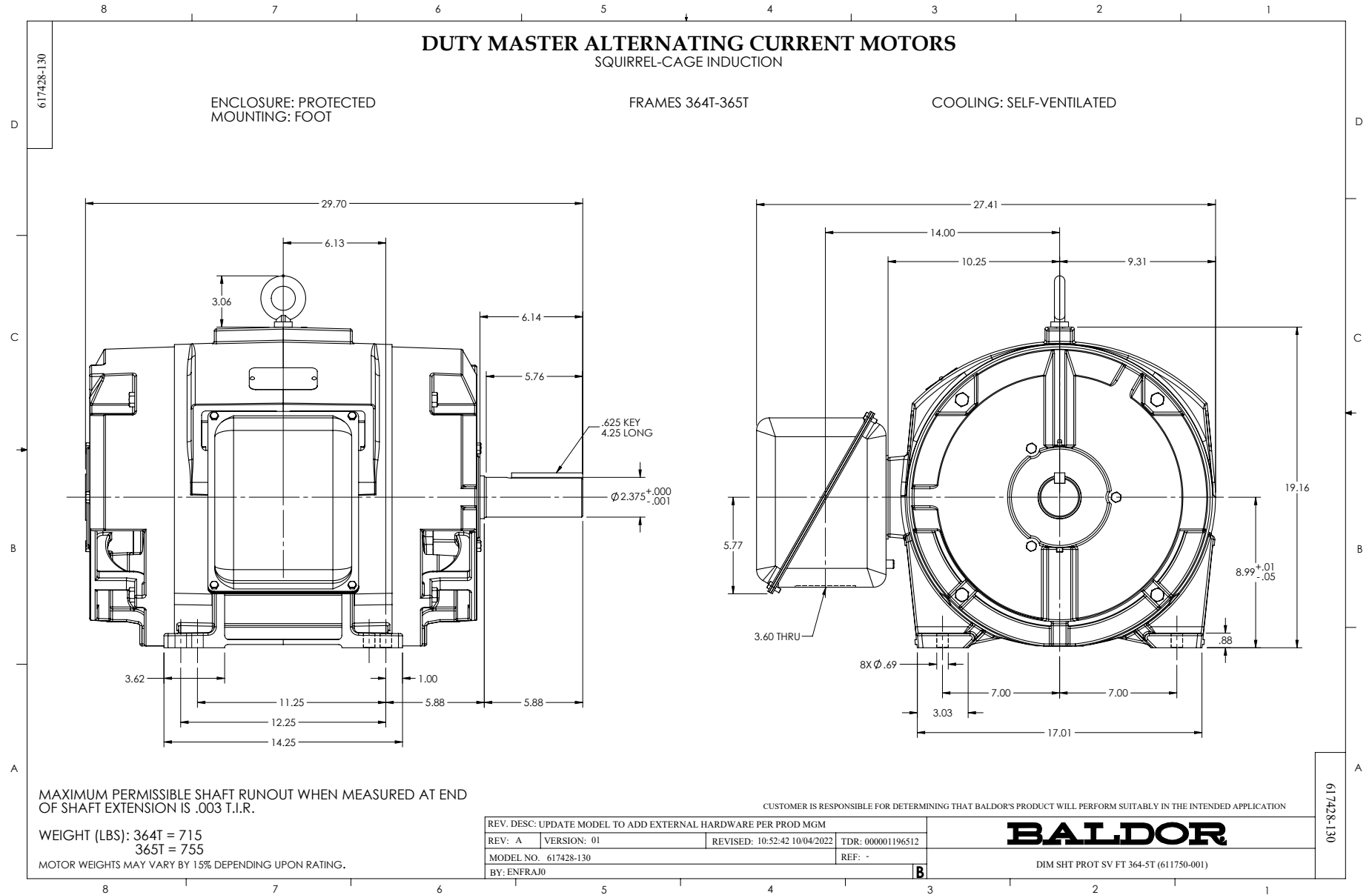
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MOBIL POLYREX EM

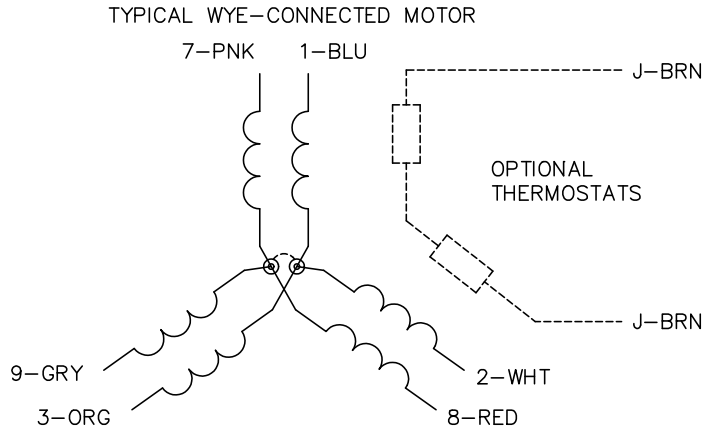
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**Accessories**

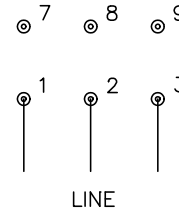
<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
14-1401	C FACE KIT	
14EP1601A01SP	D-FLANGE KIT	



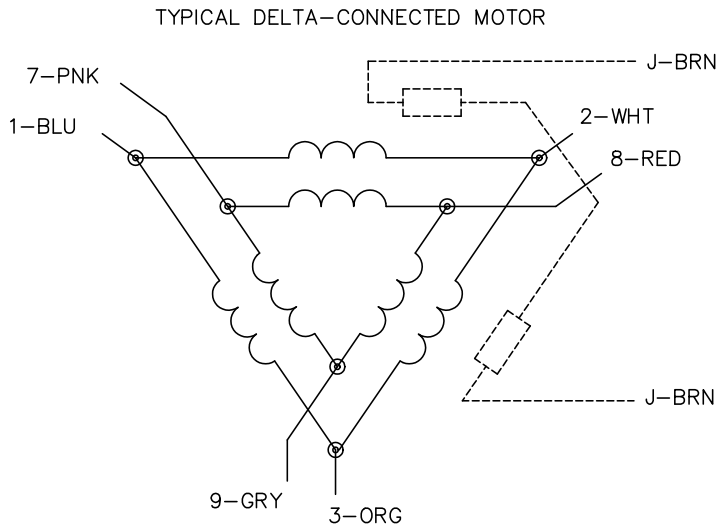
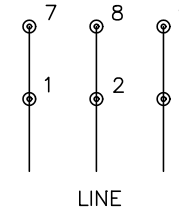
CD0695



START CONNECTION



RUN CONNECTION



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

REV. LTR: C

BY: JLP

REVISED: 01/21/99 3:19

TDR: 0171435

S69000

FILE: AAA00005151

MDL: -

MTL: -

**BALDOR ELECTRIC Co.**

3PH, SV, 6 LEADS, PART WINDING START