

ABB BALDOR RELIANCE III

Customer information packet

EM4316T-12

75HP, 1780RPM, 3PH, 60HZ, 365T, A36070M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
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	NEMA PREMIUM (OLD LOGO) NEMA PREMIUM CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	172.000 A @ 230.0 V 188.000 A @ 208.0 V 86.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	86.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE

Part Detail

Revision	W
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4077
Layout	617428-012
Eff. date	02-10-2025
CD Diagram	CD0104
Poles	04
Leads	12#6
Proprietary	False
Created date	12-17-2010

KVA Code	G
Lifting Lugs	No Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	12 @ 6 AWG
Motor Standards	NEMA
Motor Type	A36070M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.48 IN
Power Factor	86
Product Family	Other
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate
NP3979LUA

CAT #		EM4316T-12				SER				CC		010A				
SPEC		P36G3433				RATING		40C AMB-CONT								
HZ		VOLTS		AMPS		RPM		HP	CODE	-	SF	DES	PF	NEMA NOM. EFF		
60		230/460		172/86		1780		75	G		1.15	B	86	%	95.4	%
		-												%		%
PH	3	CL	F	MAX CORR KVAR		15.8										
BRG		DE	6313	ODE		6313	ENCL	TEFC	FR	365T		IP54				
GREASE		POLYREX EM								MTR WT		908	LBS			
USABLE AT		50HZ 60HP 190/380V 168/84A								SF1.0						
INVERTER DUTY		CT	15-60	HZ	4:1	VT	3-60	HZ	20:1	CHP	60-90	HZ	1.5:1	1.0 SF VPWM		
MAX RPM		2700														

Accessories

Part number	Description	Multiplier
K36G2	C-FACE KIT	A8
085922068B	BRKT,E360,D-FLG,313,FINISHED-TURNED	P1



