

ABB BALDOR RELIANCE III

Customer information packet

CSPM4103T

25HP, 1780RPM, 3PH, 60HZ, 284TC, 1076M, TEFC, F

Class - CLI GP A,B,C,D CLII GP F,G

Division - Division II

Specifications

Enclosure	TEFC
Frame	284TC
Frame Material	Cast Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D CLII GP F,G
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA CURUSEEV NEMA_PREMIUM WEEE
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	29.000 A @ 460.0 V 58.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Haz Area Temp Code	T3C

Part Detail

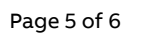
Revision	B
Type	AC
Mech. spec.	10T015
Base	
Status	PRD/A
Elec. spec.	10WGZ890
Layout	10LYT015
Eff. date	04-17-2026
CD Diagram	CD0005
Poles	04
Leads	9#10
Proprietary	False
Created date	10-10-2024

Heater Indicator	No Heater
High Voltage Full Load Amps	29.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1076M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	28.00 IN
Power Factor	82
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

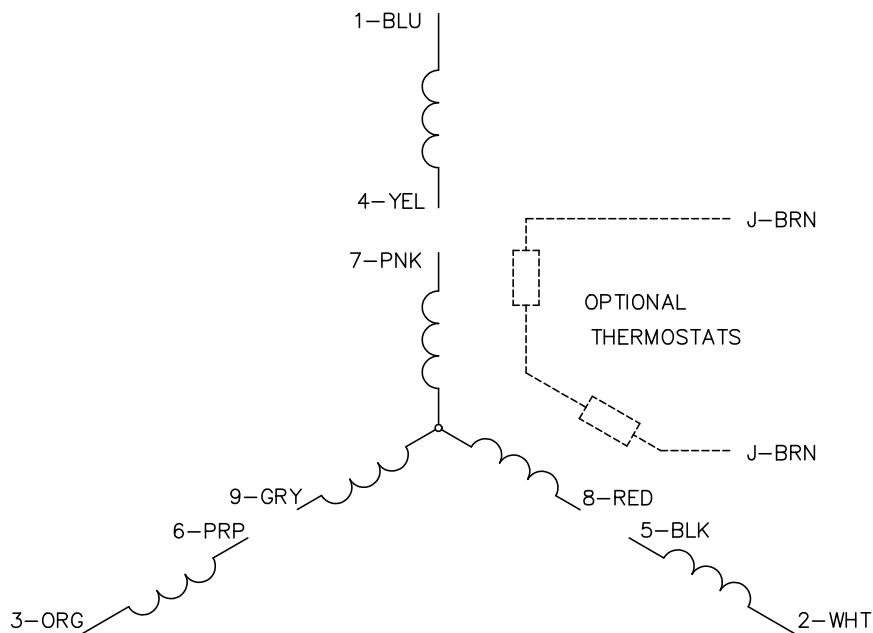
Nameplate
NP4439B01C23L

CAT #	CSPM4103T										SER #											CC	010A	WGT	490	LBS			
SPEC	10T015Z890										FRAME	284TC										ENCL	TEFC	IP	55				
RATING	40C AMB-CONT																				NEMA NOM. EFF	94.5							
HP	25										VOLTS	230/460																	
AMPS	58/29										RPM	1780										HZ	60						
PH	3	CL	F	CODE	J	DES	A	PF	82	%	SER.F.		1.15	SF AMP															
DE BRG	6312										ODE BRG	6311										LUBE	POLYREX EM						
INV TYPE:	VPWM		SL HZ	0.8	CHP	60	TO	90	1.5:1																				
WK2	6.97		LBFT2	MAX RPM	2700	CT	6	TO	60	10:1																			
MAG CUR	22/11										VT	3	TO	60	20:1														
																				MEETS INTENT OF IEEE-45					FOR WEATHER PROTECTION				
CL I DIV 2 GRPS A,B,C,D										TEMP CODE		T3C		CL I INV TEMP CODE				T3A	TEMP=	180									
CL I ZONE 2 GRPS					IIA,IIB,IIC					TEMP =		160		CL II INV TEMP CODE				T3A	TEMP =	180		C							
CL II DIV 2 GRPS F&G					TEMP CODE		T3C		1.0 SF ON PWM INVERTER				POWER																
CL II ZONE 22 GRPS IIIB					TEMP=		160																						

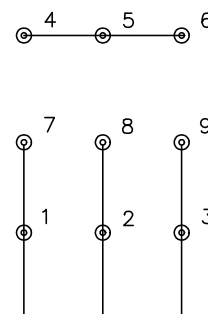
YR



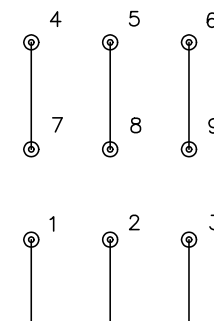
CD0005



LOW VOLTAGE
(2Y)



HIGH VOLTAGE
(1Y)



NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005