ABB BALDOR RELIANCE

Customer information packet

CEM7040T-I

5//3HP, 1165//975RPM, 3PH, 60//50HZ, 215TC, 3
Class - CLI GP C,D
Division - Division I

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Specifications

Enclosure	XPFC
Frame	215TC
Frame Material	Steel
Frequency	50.00 Hz
	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 50 HZ
	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1000 RPM @ 50 HZ
Voltage @ Frequency	380.0 V @ 50 HZ
	230.0 V @ 60 HZ
	190.0 V @ 50 HZ
	460.0 V @ 60 HZ
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	7.200 A @ 460.0 V
	5.900 A @ 380.0 V
	15.600 A @ 208.0 V
	14.400 A @ 230.0 V
	11.900 A @ 190.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated

Part Detail

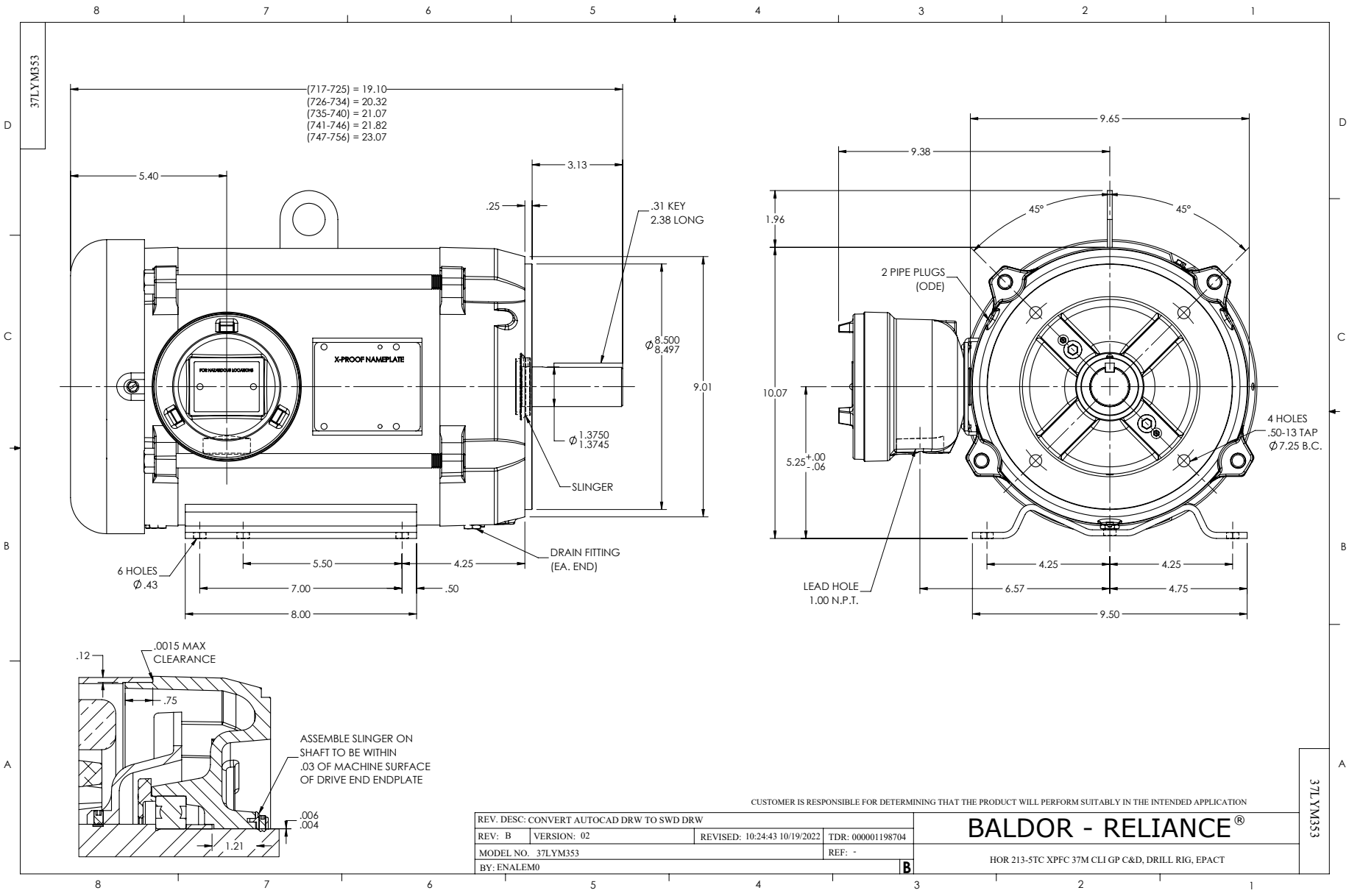
Revision	F
Type	AC
Mech. spec.	37M353
Base	
Status	PRD/A
Elec. spec.	37WGQ067
Layout	37LYM353
Eff. date	07-28-2025
CD Diagram	CD0005
Poles	06
Leads	9#14 Y
Proprietary	False
Created date	09-22-2017

Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	5.9 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3752M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	23.07 IN
Power Factor	71
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1165 rpm
	975 rpm
Speed Code	Single Speed

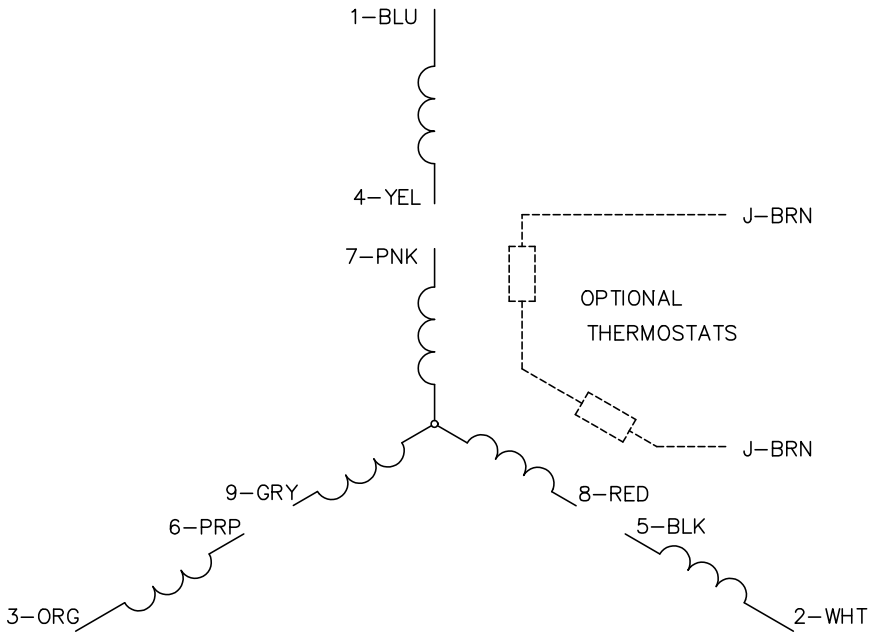
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

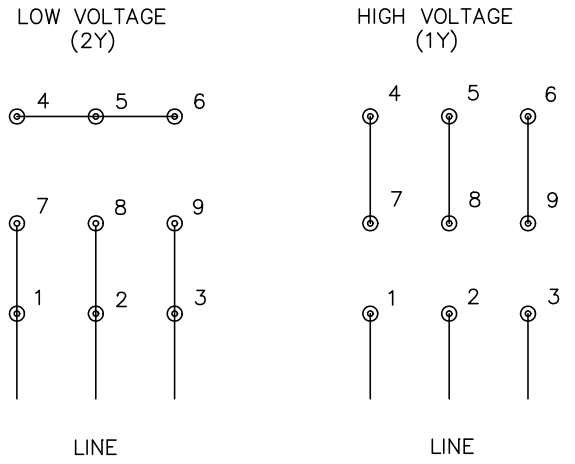
Nameplate

NP0977XPSLEV											
NO.						**CC**	010A				
SER.						**TEMP CODE**	T3C				
SPEC.	37M353Q067G2										
CAT.NO.	CEM7040T-I										
HP	5//3										
VOLTS	230/460//190/380										
AMPS	14.4/7.2//11.9/5.9										
RPM	1165//975				**MOTOR WEIGHT**		185				
HERTZ	60//50	**PH**	3	**CL**	F	**DE BRG**	6307				
SER.F.	1.15	**DES**	A	**CODE**	K	**ODE BRG**	6206				
FRAME	215TC	**GREASE**	POLYREX EM								
RATING	40C AMB-CONT										
				NEMA-NOM-EFF		89.5	**PF**	71			


37LYM353
(717-725) = 19.10
(726-734) = 20.32
(735-740) = 21.07
(741-746) = 21.82
(747-756) = 23.07
5.40
3.13
.25
.31 KEY
2.38 LONG
X-PROOF NAMEPLATE
FOR HAZARDOUS LOCATIONS
Ø8.500
8.497
9.01
Ø1.3750
1.3745
SLINGER
DRAIN FITTING
(EA. END)
6 HOLES
Ø.43
5.50
4.25
7.00
.50
8.00
9.65
9.38
45°
45°
1.96
2 PIPE PLUGS
(ODE)
10.07
5.25 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
1.00 N.P.T.
4.25
4.25
6.57
4.75
9.50
.12
.0015 MAX
CLEARANCE
.75
ASSEMBLE SLINGER ON
SHAFT TO BE WITHIN
.03 OF MACHINE SURFACE
OF DRIVE END ENDPLATE
.006
.004
1.21
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: B
VERSION: 02
REVISED: 10:24:43 10/19/2022
TDR: 000001198704
MODEL NO. 37LYM353
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 213-5TC XPFC 37M CLI GP C&D, DRILL RIG, EPACT
37LYM353

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS