ABB BALDOR RELIANCE

Customer information packet

CFSSP5M3714T-E-G

10HP, 1800RPM, 3PH, 60HZ, 215TC, 3740B, TEFC, F
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
10/6/2026 7:38:52 PM

Specifications

Enclosure	TEFC
Frame	215TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Brushless Wound Field PM Rotor
Output @ Frequency	10.000 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	C UR US
	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	22.000 A @ 230.0 V
	11.000 A @ 460.0 V
Design Code	-
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
Heater Indicator	No Heater
High Voltage Full Load Amps	11.0 a
Insulation Class	H

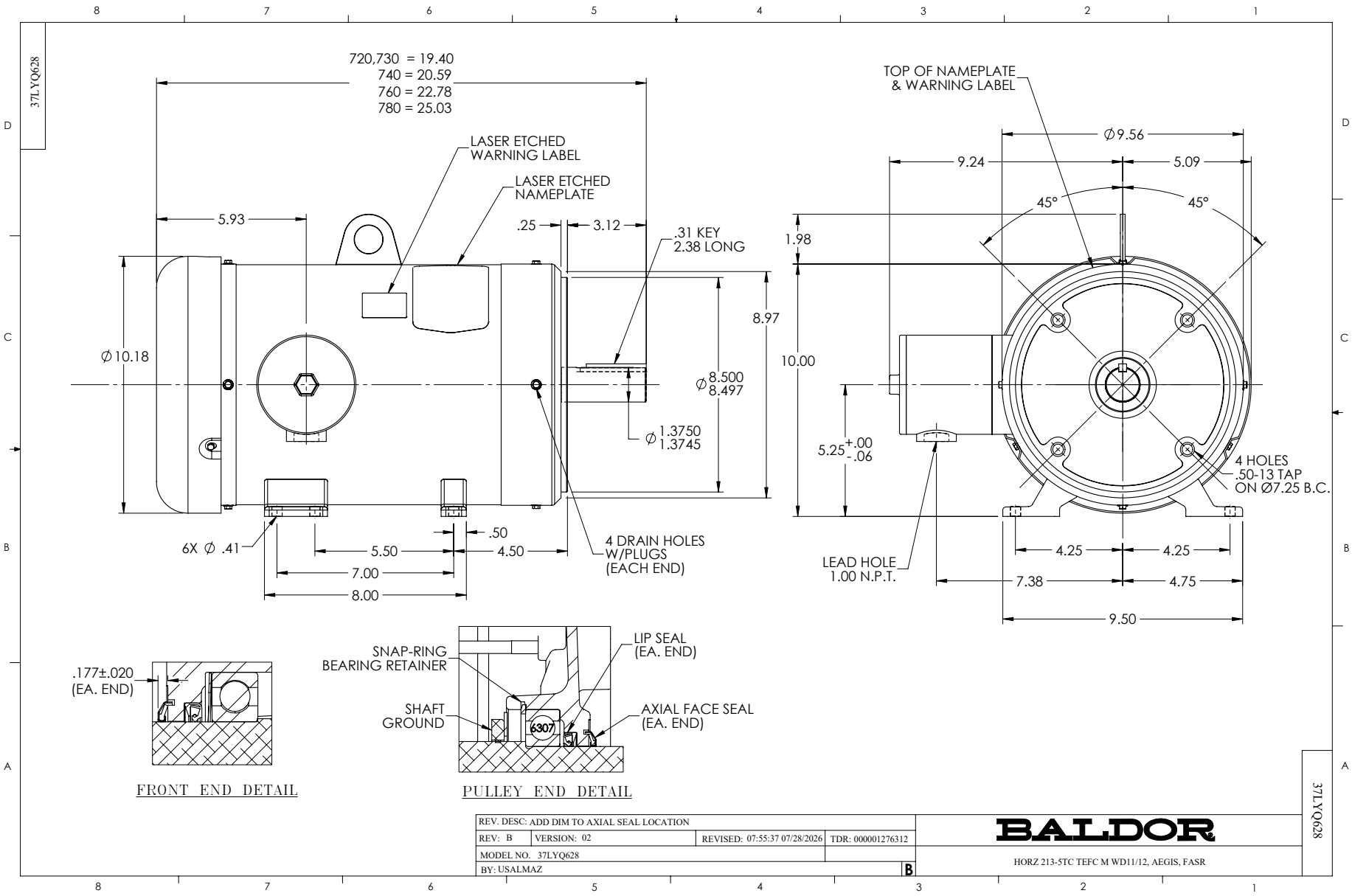
Part Detail

Revision	D
Type	AC
Mech. spec.	37Q628
Base	
Status	PRD/A
Elec. spec.	37WGL998
Layout	37LYQ628
Eff. date	12-22-2025
CD Diagram	CD0005A25
Poles	04
Leads	9#12
Proprietary	False
Created date	09-13-2024

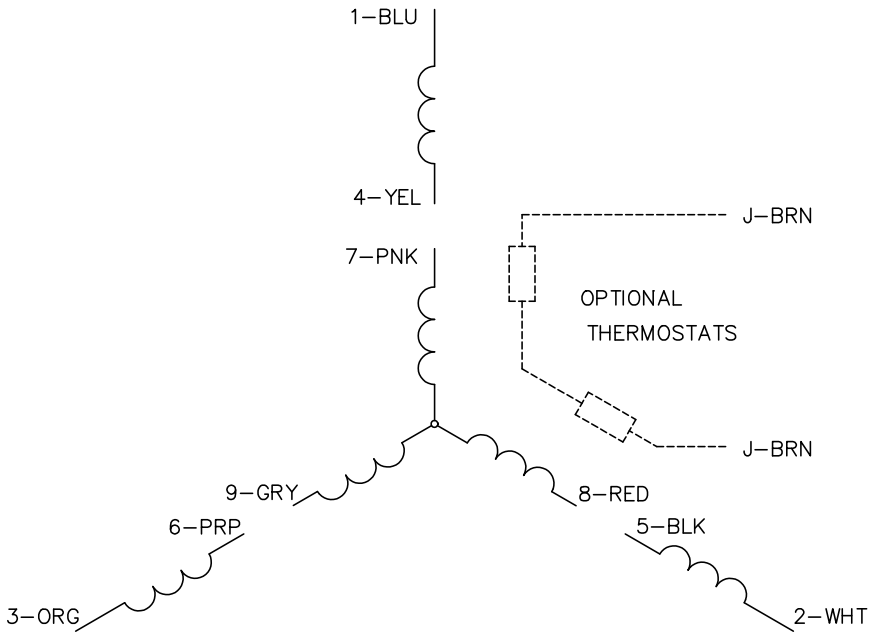
Inverter Code	03
KVA Code	-
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	4000 rpm
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3740B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	20.59 IN
Power Factor	91
Product Family	WD All SS Encapsulated
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1800 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

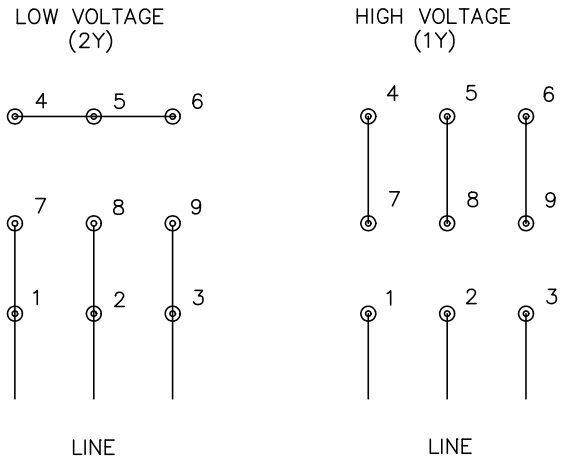
Nameplate

NP4427DLT49A												
CAT #	CFSSP5M3714T-E-G					**WT**	132	**LBS**				
SPEC	37Q628L998G1					**ENCL**	TEFC					
SER #				**FRAME**	215TC			**IP**	69			
HP	10		**RATING**	40C AMB-CONT								
NEMA NOM. EFF	94.5	**PF**	91	**HZ**	60		**PH**	3	**CLASS**	H		
VOLTS	230/460			**AMPS**	22/11							
SER.F.	1.15	**RPM**	1800				**MAX RPM**	4000				
BEMF (V)	113.5/227			**RS (OHMS)**	0.24/0.94							
LD(MH)	5.5/21.9			**LQ(MH)**	19.2/76.7							
VPWM	**CHP**	60	**TO**	133								
CT	6	**TO**	60	**VT**	6	**TO**	60					
MATCHED INV	ACS380-04XX-032A-2 / 17A0-4											
DE	6307		**ODE**	6307		**YR**						


37LYQ628
720,730 = 19.40
740 = 20.59
760 = 22.78
780 = 25.03
LASER ETCHED WARNING LABEL
LASER ETCHED NAMEPLATE
5.93
.25
3.12
.31 KEY 2.38 LONG
8.97
10.00
Ø10.18
Ø8.500 8.497
Ø1.3750 1.3745
6X Ø .41
.50
5.50
4.50
7.00
8.00
4 DRAIN HOLES W/PLUGS (EACH END)
TOP OF NAMEPLATE & WARNING LABEL
Ø9.56
9.24
5.09
45°
45°
1.98
5.25 +.00 -.06
4 HOLES .50-13 TAP ON Ø7.25 B.C.
LEAD HOLE 1.00 N.P.T.
4.25
4.25
7.38
4.75
9.50
.177±.020 (EA. END)
SNAP-RING BEARING RETAINER
LIP SEAL (EA. END)
SHAFT GROUND
6307
AXIAL FACE SEAL (EA. END)
FRONT END DETAIL
PULLEY END DETAIL
REV. DESC: ADD DIM TO AXIAL SEAL LOCATION
REV: B
VERSION: 02
REVISED: 07:55:37 07/28/2026
TDR: 000001276312
MODEL NO. 37LYQ628
BY: USALMAZ
B
BALDOR
HORZ 213-5TC TEFC M WD11/12, AEGIS, FASR
37LYQ628

CD0005





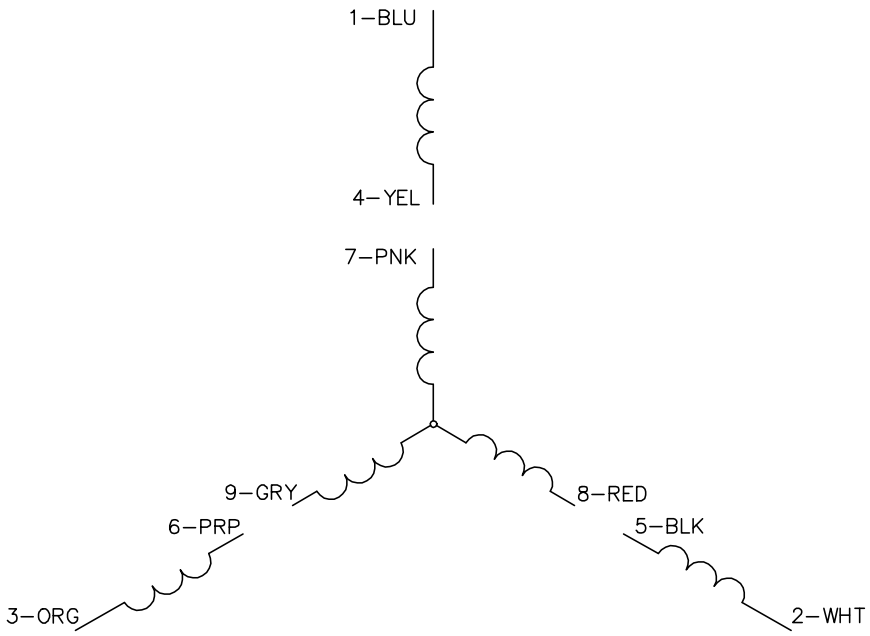
NOTES:

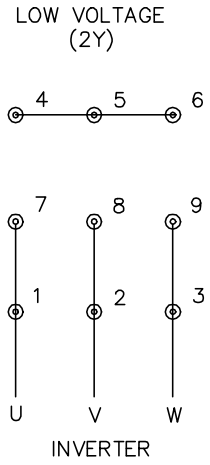
1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

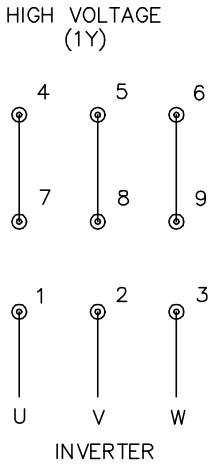
CD0005

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

CD0005A25







NOTES:

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

CD0005A25

REV. DESC: NEW		
REV. LTR: –	VERSION: 00	TDR: 000001135746
FILE: \AAA\00253\082	REVISED: 01:10:57 03/30/2020	BY: ENMARSO
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, ECS

SH 1 of 1