ABB BALDOR RELIANCE

Customer information packet

CEWWDM3714T

10HP, 1770RPM, 3PH, 60HZ, 215TC, 3752M, TEFC, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	215TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
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	UR
	CSA
	CSA EEV
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	24.000 A @ 230.0 V
	12.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	S
Type	AC
Mech. spec.	37M881
Base	
Status	PRD/A
Elec. spec.	37WGS518
Layout	37LYM881
Eff. date	02-14-2024
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	12-14-2012

High Voltage Full Load Amps	12.0 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	4
Overall Length	21.27 IN
Power Factor	85
Product Family	Super White Washdown
Pulley End Bearing Type	Sealed Bearing
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	1770 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

NP1669L									
CAT.NO.	CEWWDM3714T								
SPEC.	37M881S518G1								
HP	10								
VOLTS	230/460								
AMP	24/12								
RPM	1770								
FRAME	215TC	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	K	**DES**	A	**CLASS**	F		
NEMA-NOM-EFF	91.7	**PF**	85						
RATING	40C AMB-CONT								
CC	010A								
DE	6307	**ODE**	6307						
ENCL	TEFC	**SN**							
BLANK									

AC Induction Motor Performance Data
Record # 58673
Typical performance - not guaranteed values

Winding: 37WGS518-R004	**Type:** 3752M	**Enclosure:** TEFC

Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		10	**Full Load Torque**	29.5 LB-FT
Volts		230/460	**Start Configuration**	direct on line
Full Load Amps		24/12	**Breakdown Torque**	134 LB-FT
R.P.M.		1770	**Pull-up Torque**	49.2 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	68.7 LB-FT
NEMA Design Code	A **KVA Code**	K	**Starting Current**	103 A
Service Factor (S.F.)		1.15	**No-load Current**	5.49 A
NEMA Nom. Eff.	91.7 **Power Factor**	85	**Line-line Res. @ 25ºC**	0.937 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	63°C
S.F. Amps			**Temp. Rise @ S.F. Load**	77°C
			Locked-rotor Power Factor	35.5
			Rotor inertia	1.28 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	42	64	76	82	86	88	84
Efficiency	88.6	92.4	92.7	92	90.8	88.9	91.3
Speed	1794	1787	1780	1772	1763	1753	1767
Line amperes	6.14	7.8	9.9	12.3	15	17.9	13.9

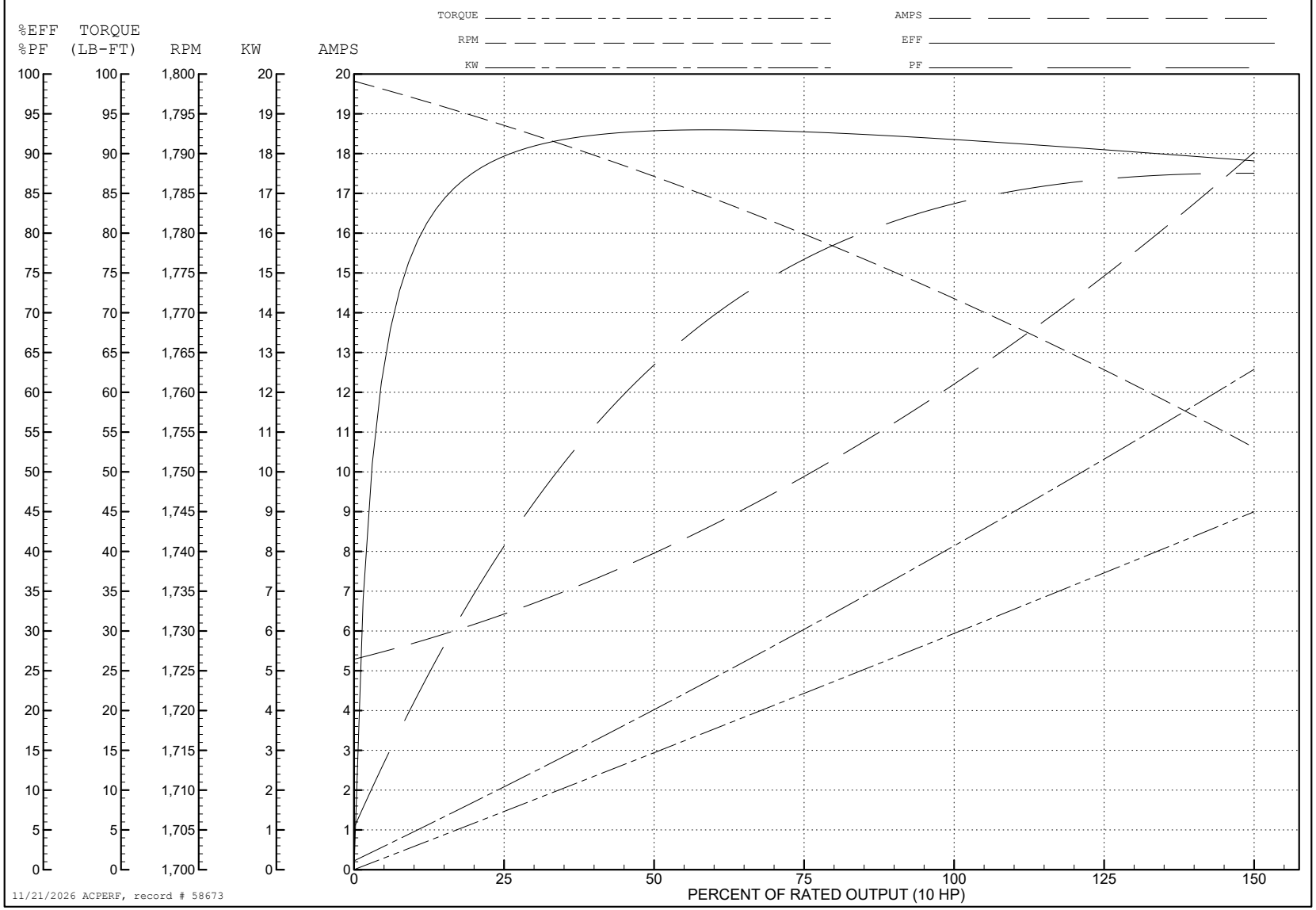
ABB Motors and Mechanical Inc.

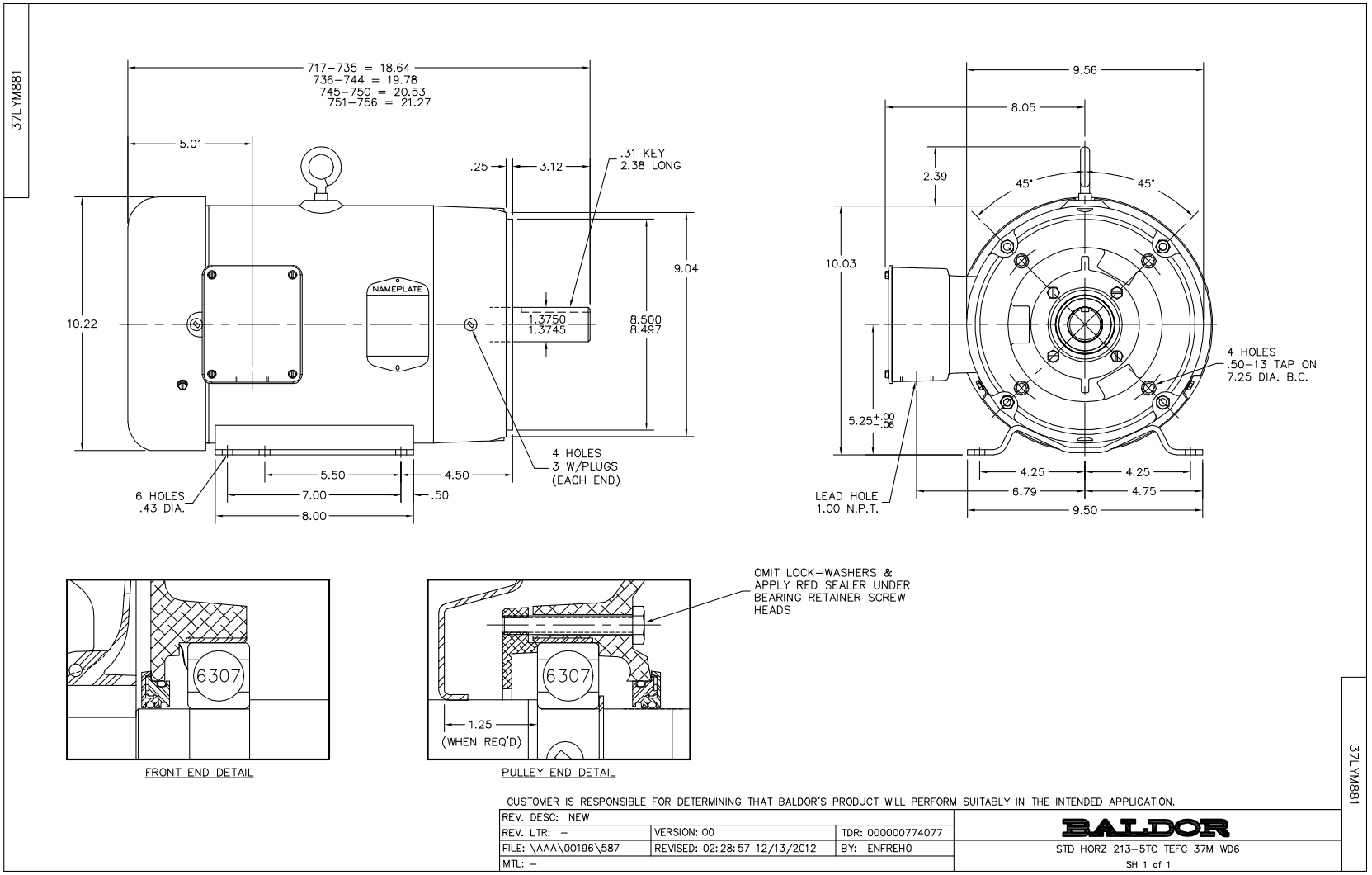
WINDING # 37WGS518

10 HP 3 PH 60 HZ 1770 RPM 460 V 3752M

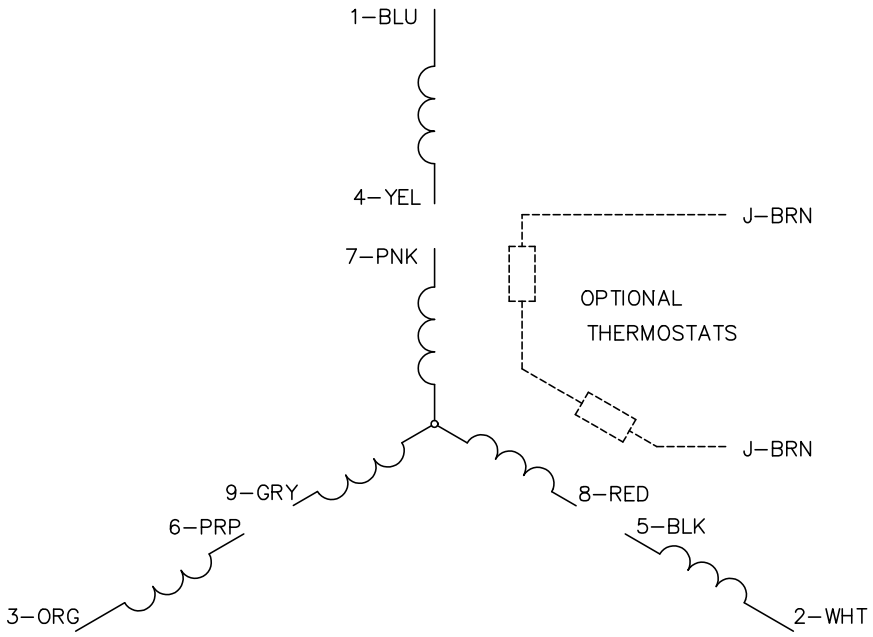
Typical performance - not guaranteed values.

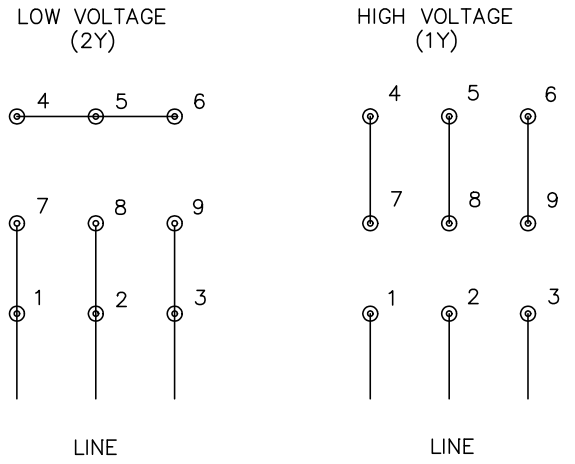
TORQUES(LB-FT): PO=134 PU=49.2 LR=68.7 LRA=103




37LYM881
717–735 = 18.64
736–744 = 19.78
745–750 = 20.53
751–756 = 21.27
5.01
.25
3.12
.31 KEY
2.38 LONG
9.04
10.22
NAMEPLATE
1.3750
1.3745
8.500
8.497
4 HOLES
3 W/PLUGS
(EACH END)
6 HOLES
.43 DIA.
5.50
4.50
7.00
.50
8.00
9.56
8.05
2.39
45°
45°
10.03
4 HOLES
.50–13 TAP ON
7.25 DIA. B.C.
5.25 +.00 –.06
LEAD HOLE
1.00 N.P.T.
4.25
4.25
6.79
4.75
9.50
OMIT LOCK–WASHERS &
APPLY RED SEALER UNDER
BEARING RETAINER SCREW
HEADS
6307
6307
1.25
(WHEN REQ'D)
FRONT END DETAIL
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: NEW
REV. LTR: –
VERSION: 00
TDR: 000000774077
FILE: \AAA\00196\587
REVISED: 02:28:57 12/13/2012
BY: ENFREH0
MTL: –
BALDOR
STD HORZ 213–5TC TEFC 37M WD6
SH 1 of 1
37LYM881

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