BALDOR • RELIANCE

Customer information packet

CSPM3311T-G

7.5HP, 1775RPM, 3PH, 60HZ, 213TC, 3750M, OPSB
Class - None
Division - Not Applicable

12/22/2025 6:00:06 PM

Specifications

Enclosure	OPSB
Frame	213TC
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	7.500 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
	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	10.000 A @ 460.0 V
	20.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	10.0 a

Part detail

Revision	A
Type	AC
Mech. spec.	37T744
Base	
Status	PRD/A
Elec. spec.	37WGZ670
Layout	37LYT744
Eff. date	11-19-2025
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	05-23-2025

Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3750M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.94 IN
Power Factor	78
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1775 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

NP4423A01A01L												
CAT #	CSPM3311T-G			**WGT**	158	**LBS**						
SPEC	37T744Z670			**ENCL**	OPSB							
SER #				**CC**	010A	**IP**	23					
HP	7.5		**MAG CUR**	9.8/4.9								
VOLTS	230/460				**NEMA NOM. EFF**	92.4						
AMPS	20/10			**PF**	78							
RATING	40C AMB-CONT											
RPM	1775			**MAX RPM**	2700							
FRAME	213TC	**HZ**	60	**CODE**	L	**CLASS**	H					
SER.F.	1.25	**SF AMP**	23.8/11.9		**PH**	3	**DES**	A				
DE	6307		**ODE**	6206								
LUBRICATION	POLYREX EM											
ID LOGO	**INVERTER TYPE**		**VPWM**		**CHP**	60	**TO**	90	1.5:1			
ID LOGO	**WK2**	1.18	**CT**	6	**TO**	60	10:1					
ID LOGO	**SL HZ**	0.8	**VT**	3	**TO**	60	20:1					
					QR							
YR												

AC Induction Motor Performance Data
Record # 112297
Typical performance - not guaranteed values

Winding: 37WGZ670-R004	**Type:** 3750M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			7.5	**Full Load Torque**	22.31 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			20/10	**Breakdown Torque**	84.6 LB-FT
R.P.M.			1775	**Pull-up Torque**	42.8 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	54.6 LB-FT
NEMA Design Code	A	**KVA Code**	L	**Starting Current**	88.8 A
Service Factor (S.F.)			1.25	**No-load Current**	4.93 A
NEMA Nom. Eff.	92.4	**Power Factor**	78	**Line-line Res. @ 25ºC**	1.12 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	25°C
S.F. Amps			23.8/11.9	**Temp. Rise @ S.F. Load**	33°C
				Locked-rotor Power Factor	35.9
				Rotor inertia	1.23 lb-ft²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	38	59	72	78	82	84	82
Efficiency	87.4	91.9	92.8	92.7	92.1	91.4	92.1
Speed	1794	1789	1783	1778	1772	1765	1772
Line amperes	5.39	6.48	7.98	9.73	11.7	13.8	11.7

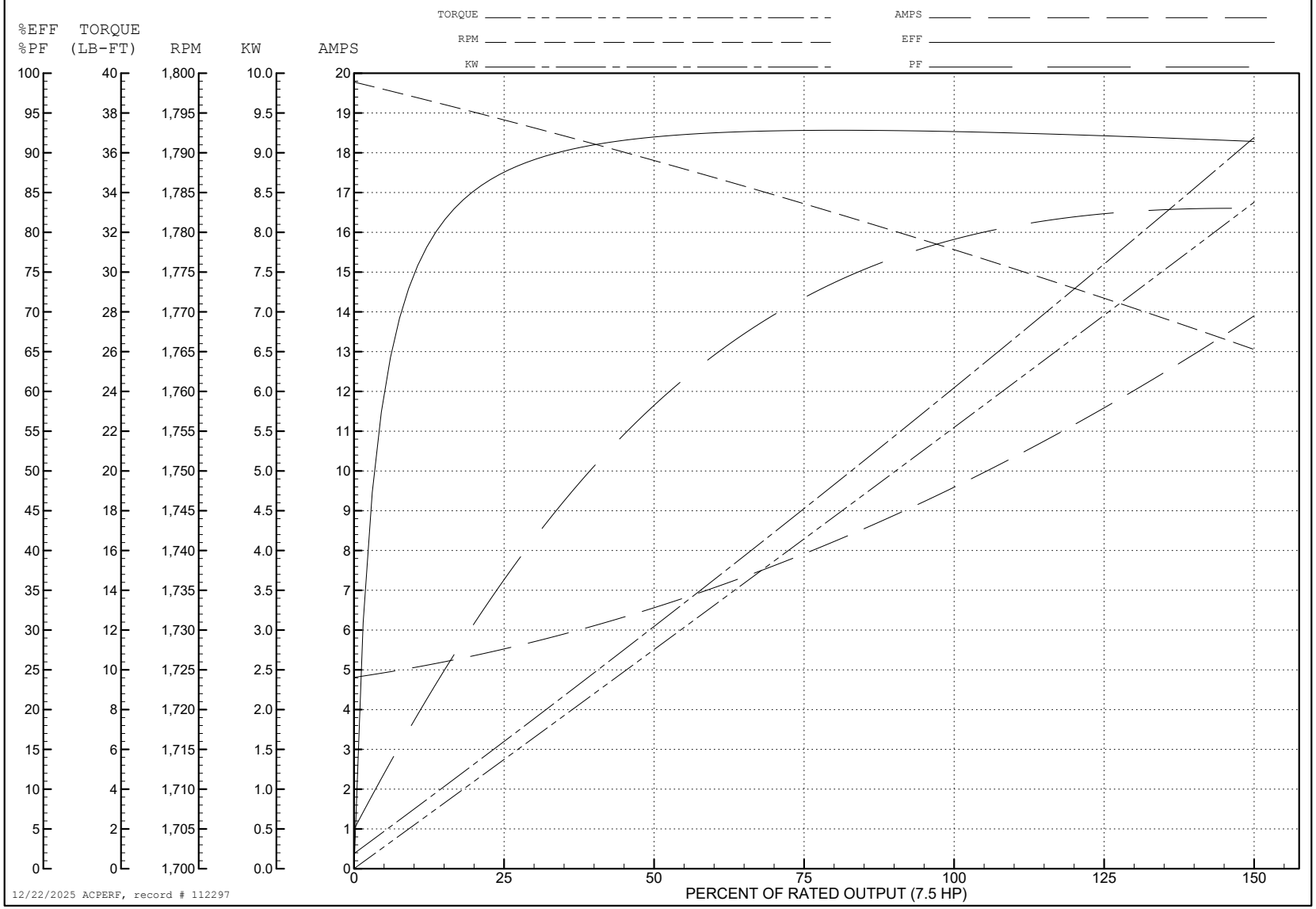
ABB Motors and Mechanical Inc.

WINDING # 37WGZ670

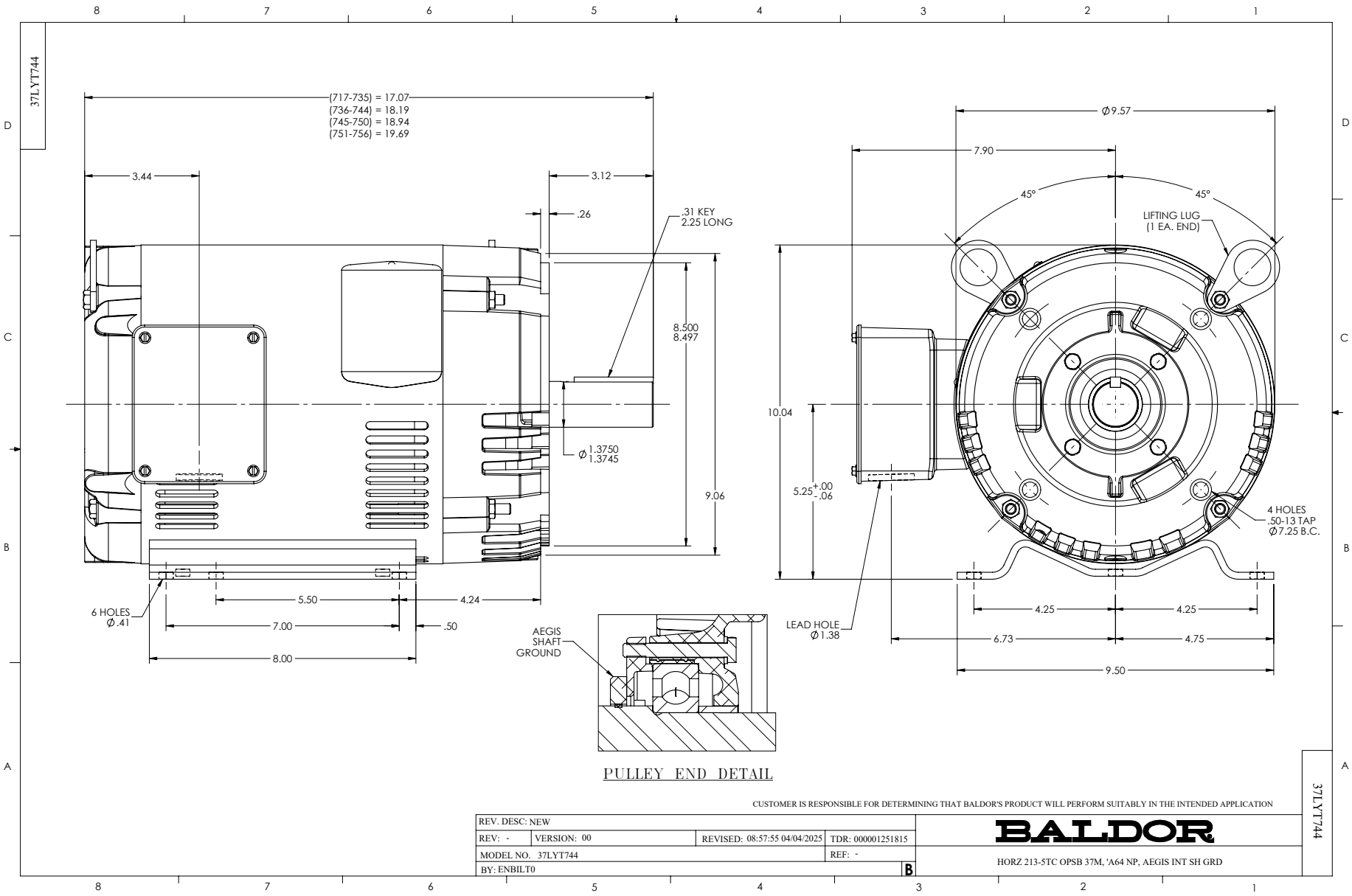
7.5 HP 3 PH 60 HZ 1775 RPM 460 V 3750M

Typical performance - not guaranteed values.

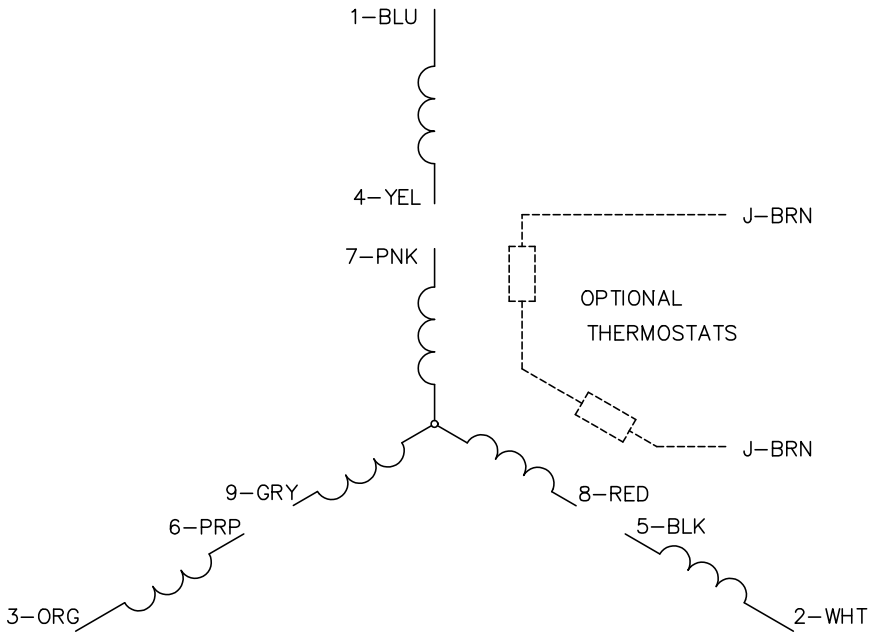
TORQUES(LB-FT): PO=84.6 PU=42.8 LR=54.6 LRA=88.8

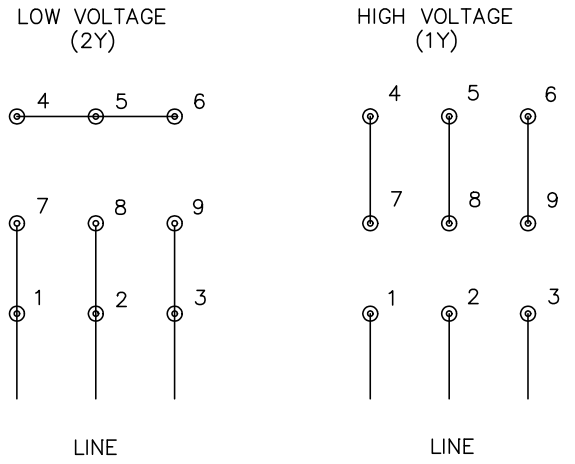


12/22/2025 ACPERF, record # 112297


37LYT744
(717-735) = 17.07
(736-744) = 18.19
(745-750) = 18.94
(751-756) = 19.69
3.44
3.12
.26
.31 KEY
2.25 LONG
8.500
8.497
9.06
Ø1.3750
1.3745
6 HOLES
Ø.41
5.50
4.24
7.00
.50
8.00
Ø9.57
7.90
45°
45°
LIFTING LUG
(1 EA. END)
10.04
5.25 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
4.25
4.25
LEAD HOLE
Ø1.38
6.73
4.75
9.50
AEGIS
SHAFT
GROUND
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NEW
REV: - VERSION: 00 REVISED: 08:57:55 04/04/2025 TDR: 000001251815
MODEL NO. 37LYT744 REF: -
BY: ENBILT0 B
BALDOR
HORZ 213-5TC OPSB 37M, 'A64 NP, AEGIS INT SH GRD
37LYT744

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