

**BALDOR • RELIANCE**

---

# Customer information packet

## SPM3311T-G

7.5HP, 1775RPM, 3PH, 60HZ, 213T, 3750M, OPSB, F

Class - None

Division - Not Applicable

## Specifications

Enclosure	OPSB
Frame	213T
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	WEEE NEMA PREMIUM
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
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	10.0 a
Insulation Class	F

## Part detail

Revision	A
Type	AC
Mech. spec.	37T743
Base	
Status	PRD/A
Elec. spec.	37WGZ670
Layout	37LYT743
Eff. date	11-19-2025
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	04-03-2025

<b>Inverter Code</b>	<b>Inverter Duty</b>
<b>KVA Code</b>	L
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Max Speed</b>	2700 rpm
<b>Motor Lead Quantity/Wire Size</b>	9 @ 14 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3750M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	18.20 IN
<b>Power Factor</b>	78
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>RoHS Status</b>	ROHS COMPLIANT
<b>Service Factor</b>	1.25
<b>Shaft Diameter</b>	1.375 IN
<b>Shaft Ground Indicator</b>	Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1775 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None



**AC Induction Motor Performance Data**

Record # 112297

Typical performance - not guaranteed values

<b>Winding:</b> 37WGZ670-R004		<b>Type:</b> 3750M		<b>Enclosure:</b> OPSB	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	7.5	<b>Full Load Torque</b>	22.31 LB-FT		
<b>Volts</b>	230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	20/10	<b>Breakdown Torque</b>	84.6 LB-FT		
<b>R.P.M.</b>	1775	<b>Pull-up Torque</b>	42.8 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	54.6 LB-FT	
<b>NEMA Design Code</b>	A <b>KVA Code</b>	L	<b>Starting Current</b>	88.8 A	
<b>Service Factor (S.F.)</b>	1.25	<b>No-load Current</b>	4.93 A		
<b>NEMA Nom. Eff.</b>	92.4 <b>Power Factor</b>	78	<b>Line-line Res. @ 25°C</b>	1.12 Ω	
<b>Rating - Duty</b>	40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	25°C		
<b>S.F. Amps</b>	23.8/11.9	<b>Temp. Rise @ S.F. Load</b>	33°C		
		<b>Locked-rotor Power Factor</b>	35.9		
		<b>Rotor inertia</b>	1.23 lb-ft <sup>2</sup>		

**Load Characteristics 460 V, 60 Hz, 7.5 HP**

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

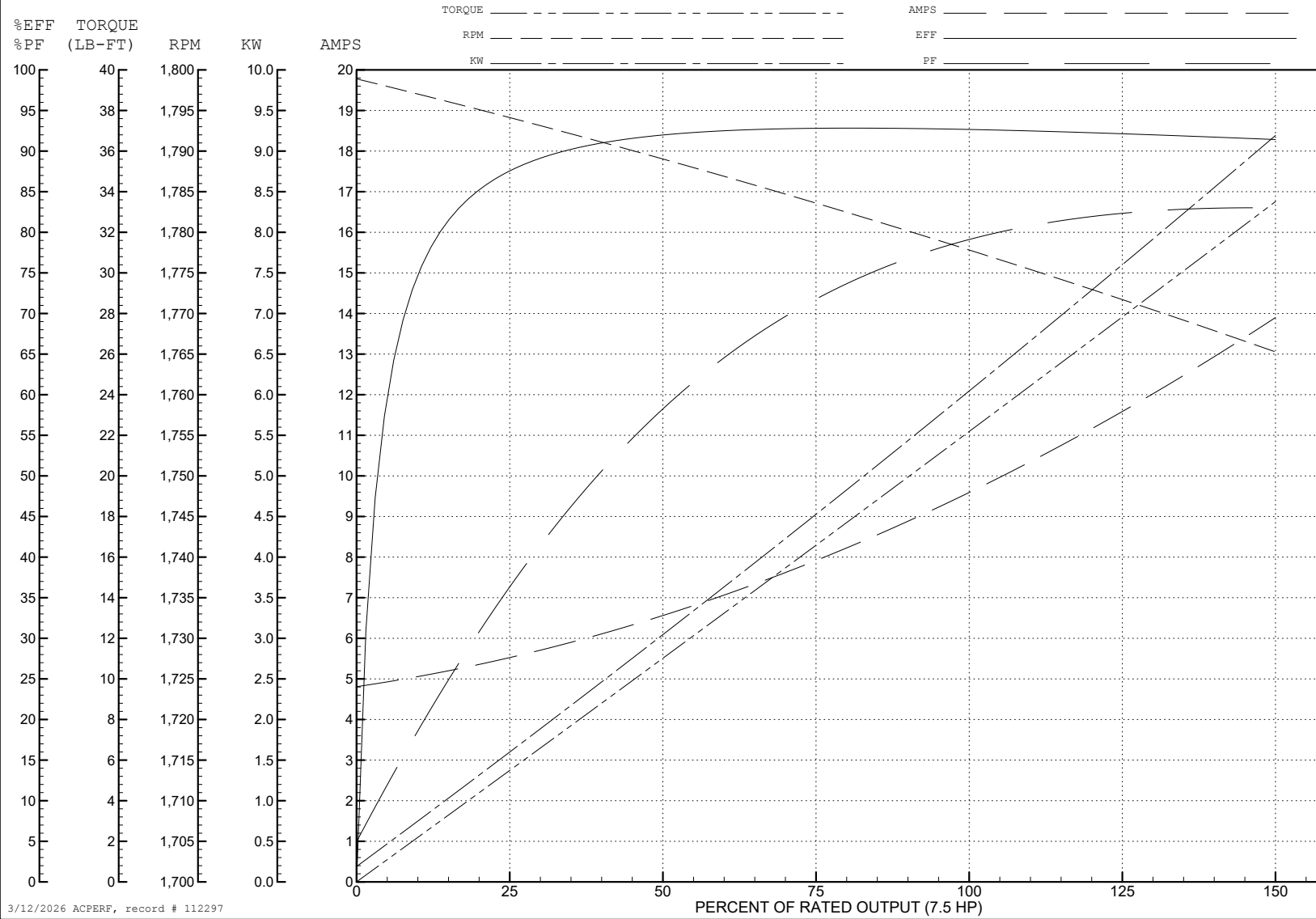
ABB Motors and Mechanical Inc.

WINDING # 37WGZ670

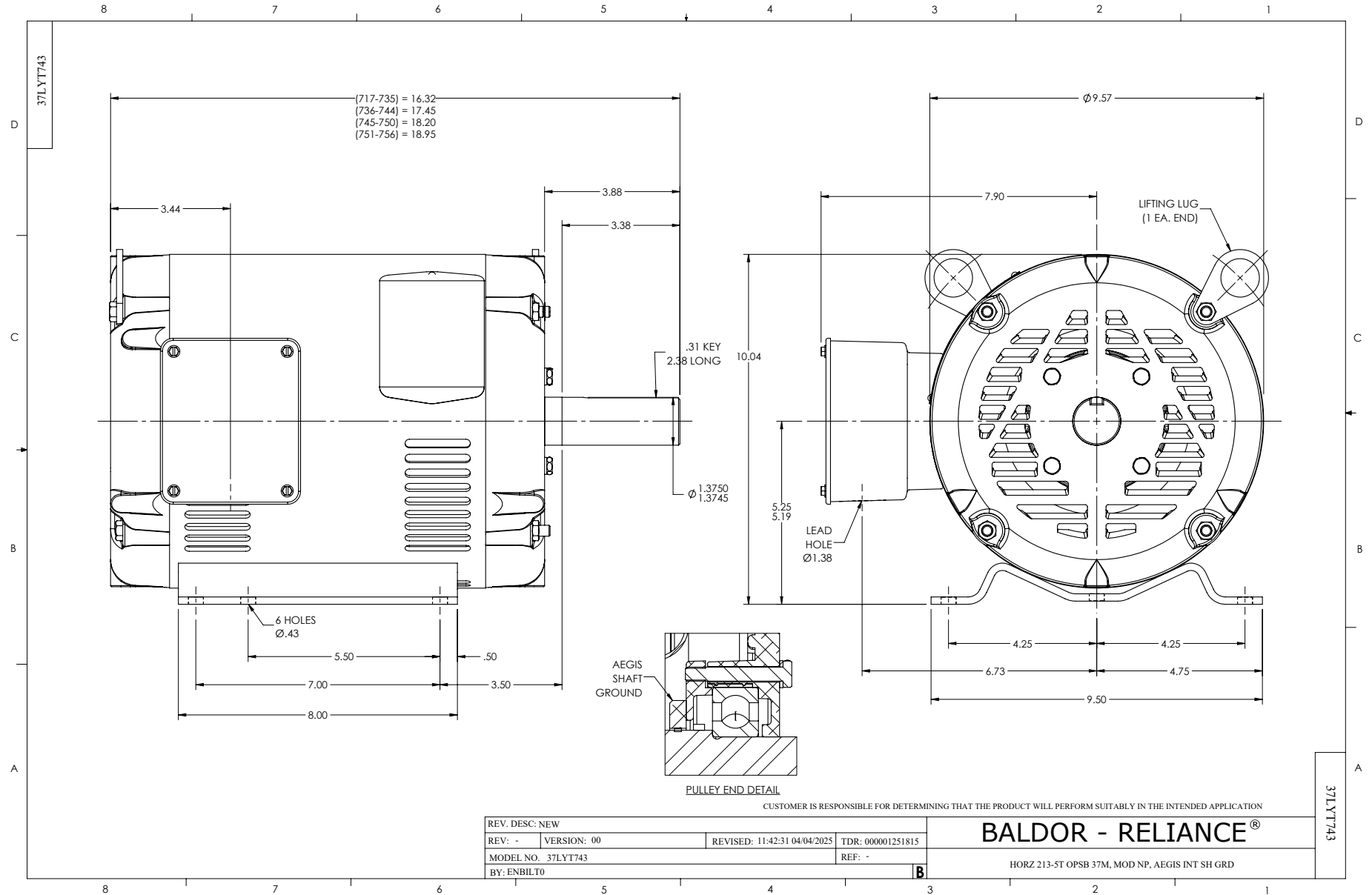
Typical performance - not guaranteed values.

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

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



3/12/2026 ACPERF, record # 112297



CD0005



LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

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			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS