

BALDOR • RELIANCE

Customer information packet

SPM3543T

.75HP, 1175RPM, 3PH, 60HZ, 143T, 3526M, TEFC, F

Class - None

Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	143T
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	.750 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUSEEV NEMA PREMIUM WEEE
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.800 A @ 230.0 V 3.500 A @ 208.0 V 1.400 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	C
Type	AC
Mech. spec.	35E6248
Base	
Status	PRD/A
Elec. spec.	35WGG019
Layout	35LYE6248
Eff. date	06-07-2024
CD Diagram	CD0005
Poles	06
Leads	9#18
Proprietary	False
Created date	09-08-2023

High Voltage Full Load Amps	1.4 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	13.29 IN
Power Factor	60
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1175 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 #	SPM3543T			WGT	41	LBS			
SPEC	35E6248G019			ENCL	TEFC				
SER #				CC	010A	IP	54		
HP	.75	MAG CUR	2/1						
VOLTS	230/460			NEMA NOM. EFF	82.5				
AMPS	2.8/1.4			PF	60				
RATING	40C AMB-CONT								
RPM	1175			MAX RPM	1800				
FRAME	143T	HZ	60	CODE	L	CLASS	F		
SER.F.	1.15	SF AMP	3/1.5		PH	3	DES	B	
DE	6205		ODE	6203					
LUBRICATION	POLYREX EM								
ID LOGO	INVERTER TYPE	VPWM	CHP	60	TO	90	1.5:1		
ID LOGO	WK2	0.189	CT	6	TO	60	10:1		
ID LOGO	SL HZ	1.57	VT	3	TO	60	20:1		
				QR					
YR									

AC Induction Motor Performance Data

Record # 100851

Typical performance - not guaranteed values

Winding: 35WGG019-R017		Type: 3526M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)	.75	Full Load Torque	3.34 LB-FT				
Volts	230/460	Start Configuration	direct on line				
Full Load Amps	2.8/1.4	Breakdown Torque	11.9 LB-FT				
R.P.M.	1175	Pull-up Torque	7.1 LB-FT				
Hz	60 Phase	3	Locked-rotor Torque	8.6 LB-FT			
NEMA Design Code	B	KVA Code	L	Starting Current	9.1 A		
Service Factor (S.F.)	1.15		No-load Current	1.02 A			
NEMA Nom. Eff.	82.5	Power Factor	60	Line-line Res. @ 25°C	21.1 Ω		
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	35°C			
S.F. Amps	3/1.5		Temp. Rise @ S.F. Load	40°C			
			Locked-rotor Power Factor	48.3			
			Rotor inertia	0.189 lb-ft ²			

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	25	39	51	60	66	71	64
Efficiency	68.1	78.7	81.8	82.8	82.2	80.9	82.4
Speed	1194	1189	1183	1176	1169	1161	1172
Line amperes	1.05	1.14	1.26	1.42	1.61	1.84	1.53

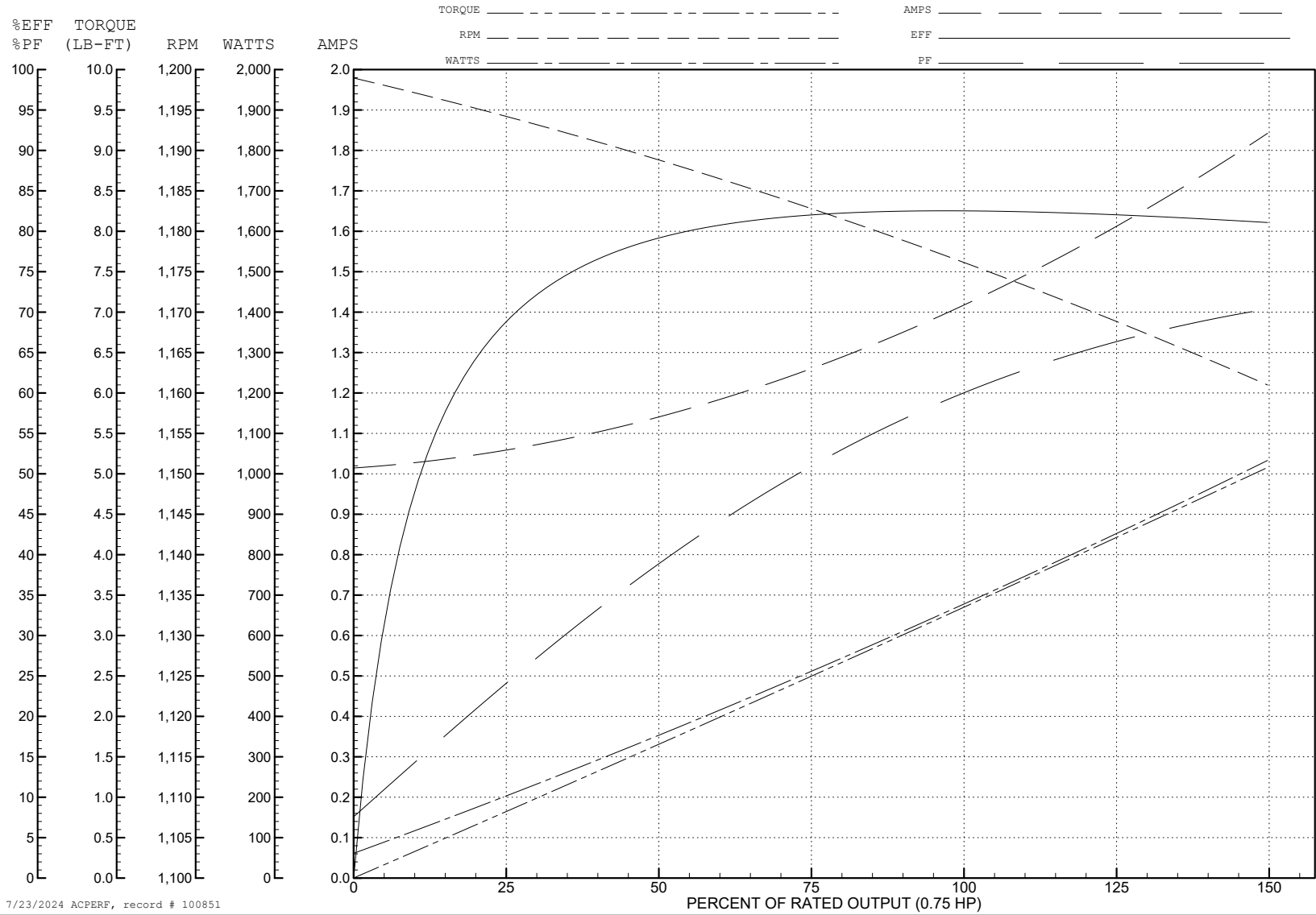
ABB Motors and Mechanical Inc.

WINDING # 35WGG019

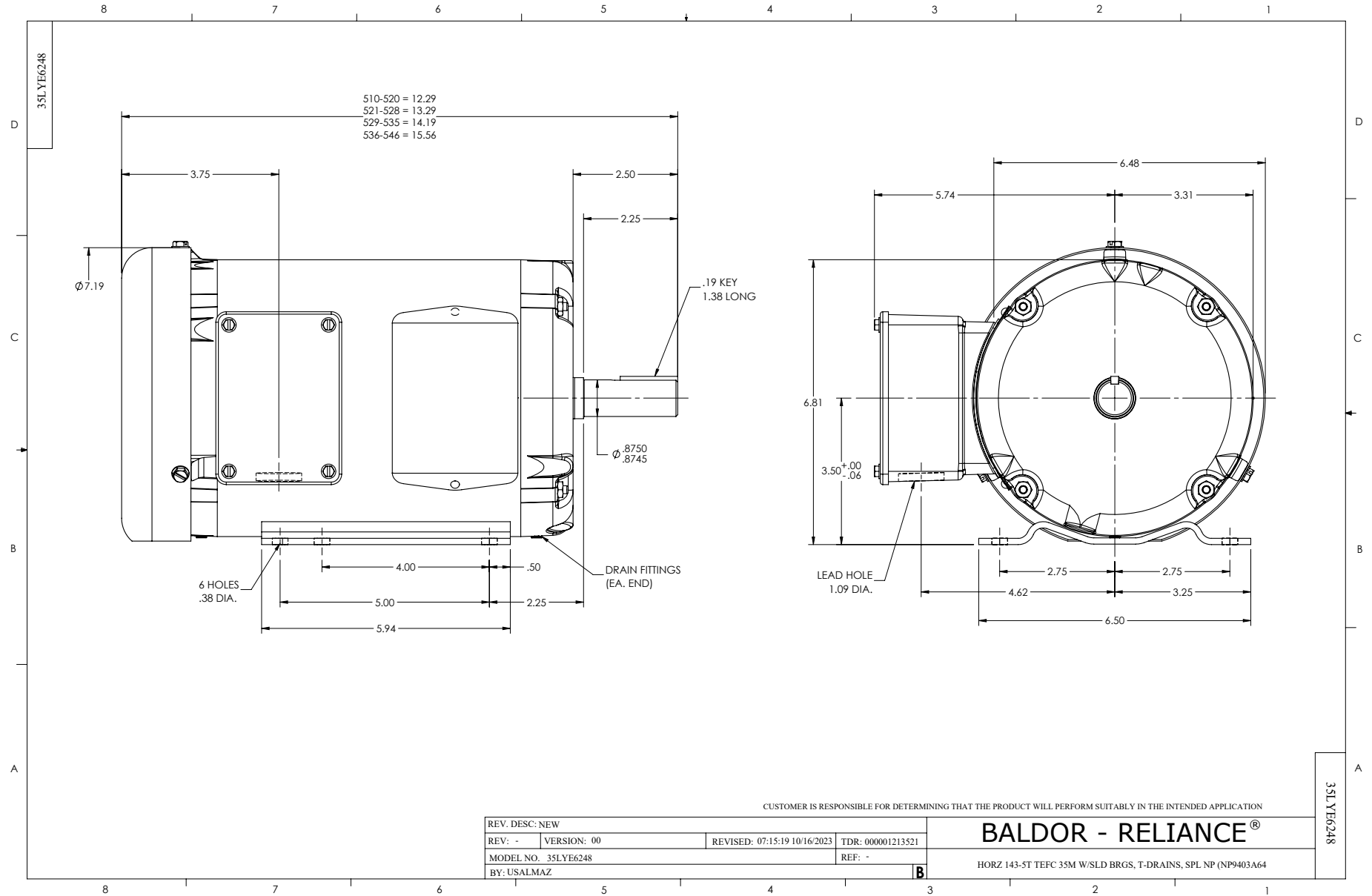
0.75 HP 3 PH 60 HZ 1175 RPM 460 V 3526M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=11.9 PU=7.1 LR=8.6 LRA=9.1



7/23/2024 ACPERF, record # 100851



CD0005

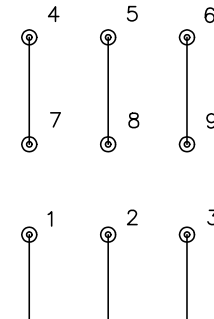


LOW VOLTAGE
(2Y)



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