

BALDOR® • RELIANCE 

Product Information Packet

EM7559T-I

20HP,3530RPM,3PH,60HZ,256T,0950M,XPFC,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	09WZ651	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	09J321	Layout:	09LYJ321	Poles:	02	Created Date:	09-08-2016
Base:	RG	Eff. Date:	09-01-2017	Leads:	9#10		

Specs			
Catalog Number:	EM7559T-I	Insulation Class:	F
Enclosure:	XPFC	Inverter Code:	Not Inverter
Frame:	256T	KVA Code:	H
Frame Material:	Iron	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	20.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 10 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	CLI GP D; CLII GP E,F,G	Motor Type:	0950M
XP Division:	Division I	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	91
	CSA EEV	Product Family:	Hazardous Location Motor
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding

Current @ Voltage:	22.000 A @ 460.0 V	Shaft Rotation:	Reversible
	44.000 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
	48.000 A @ 208.0 V	Speed Code:	Single Speed
Design Code:	A	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	NONE (OLD)
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	Normally Closed Thermostat
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None
Heater Indicator:	No Heater	XP Temp Code:	T3C

Nameplate NP1044XPSLEV										
NO.							CC	010A		
SER.							TEMP CODE	T3C		
SPEC.	09J321Z651G1									
CAT.NO.	EM7559T-I									
HP	20									
VOLTS	230/460									
AMPS	44/22									
RPM	3530						MOTOR WEIGHT	390		
HERTZ	60		PH	3	CL	F	DE BRG	6309		
SER.F.	1.15		DES	A	CODE	H	ODE BRG	6208		
FRAME	256T		GREASE			POLYREX EM				
RATING	40C AMB-CONT									
USABLE AT 208V	48		NEMA-NOM-EFF			91		PF	91	
	55C AMB @ 1.0 SF,60C RISE									

Parts List		
Part Number	Description	Quantity
SA326994	SA 09J321Z651G1	1.000 EA
RA314901	RA 09J321Z651G1	1.000 EA
37FN3002C02	EXFN, PLASTIC, 6.00 OD, 1.503 ID	1.000 EA
MJ5000A01	SEALANT, CHICO A COMPOUND	0.031 LB
09CB1000A57P	CONDUIT BOX, MACH W/EPOXY PRIMER	1.000 EA
10XN3118K16	5/16-18 X 1' GRADE #5, STL, ZINC PLATE	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B25	GND LUG, BURNDY L125HP OR T&B L125HP-BB	1.000 EA
19XW3118G08	.31-18X.50,HEX WSHR HD,TAPTITE 2,GREEN	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
09FH1004A10P	FAN COVER, MACH W/1 HOLE FOR GREASER, EP	1.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
HA2009A39	SLINGER FOR GROUP E MTRS - 208 BRG.	1.000 EA
80XN0632A10	SET SCREW,#6-32 X .62 LG.HEX SOC. HD.	2.000 EA
HW3023E06	.125 X .625 SPIRAL SPRING PIN	1.000 EA
09EP1707A26P	PUEP MACH, NON-XP; EPOXY PRIMER	1.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HA2009A38	SLINGER FOR GROUP E MTRS - 309 BRG.	1.000 EA
80XN0632A10	SET SCREW,#6-32 X .62 LG.HEX SOC. HD.	2.000 EA
HW3023E06	.125 X .625 SPIRAL SPRING PIN	1.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
10XN2520K14	1/4-20 X .88 HEX GRD 5 (20001)	3.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	3.000 EA
09CB1500A01P	CONDUIT BOX LID, MACH W/EPOXY PRIMER	1.000 EA
10XN2520K16	1/4-20 X 1" HX HD SCRW GRADE 5, ZINC P	6.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	6.000 EA
HW2501G26	KEY, 3/8 SQ X 3.000	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1073	ALUM XP CAUTION LABEL	1.000 EA
09EP1700A67PP	ENDPLATE, MACH W/PRIMER & PAINT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA
HA4017A06	/125 X 3.00 GREASER EXT. (F/S)	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HW4505A02	BREATHER/DRAIN-EXP PROOF-.250-18 PTF AIS	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 LB
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HW4505A02	BREATHER/DRAIN-EXP PROOF-.250-18 PTF AIS	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025G05	WILKOFASST, 789.227, MED. GRAY CHAR. MET.	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA

LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP1044XPSLEV	SS XP UL CSA-EEV CC CL-I GP-D	1.000 EA
40PA1005	PACKAGING GROUP, 09 STD	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1100/bx) 11/14	1.000 EA

Performance Graph at 460V, 60Hz, 20.0HP Typical performance - Not guaranteed values

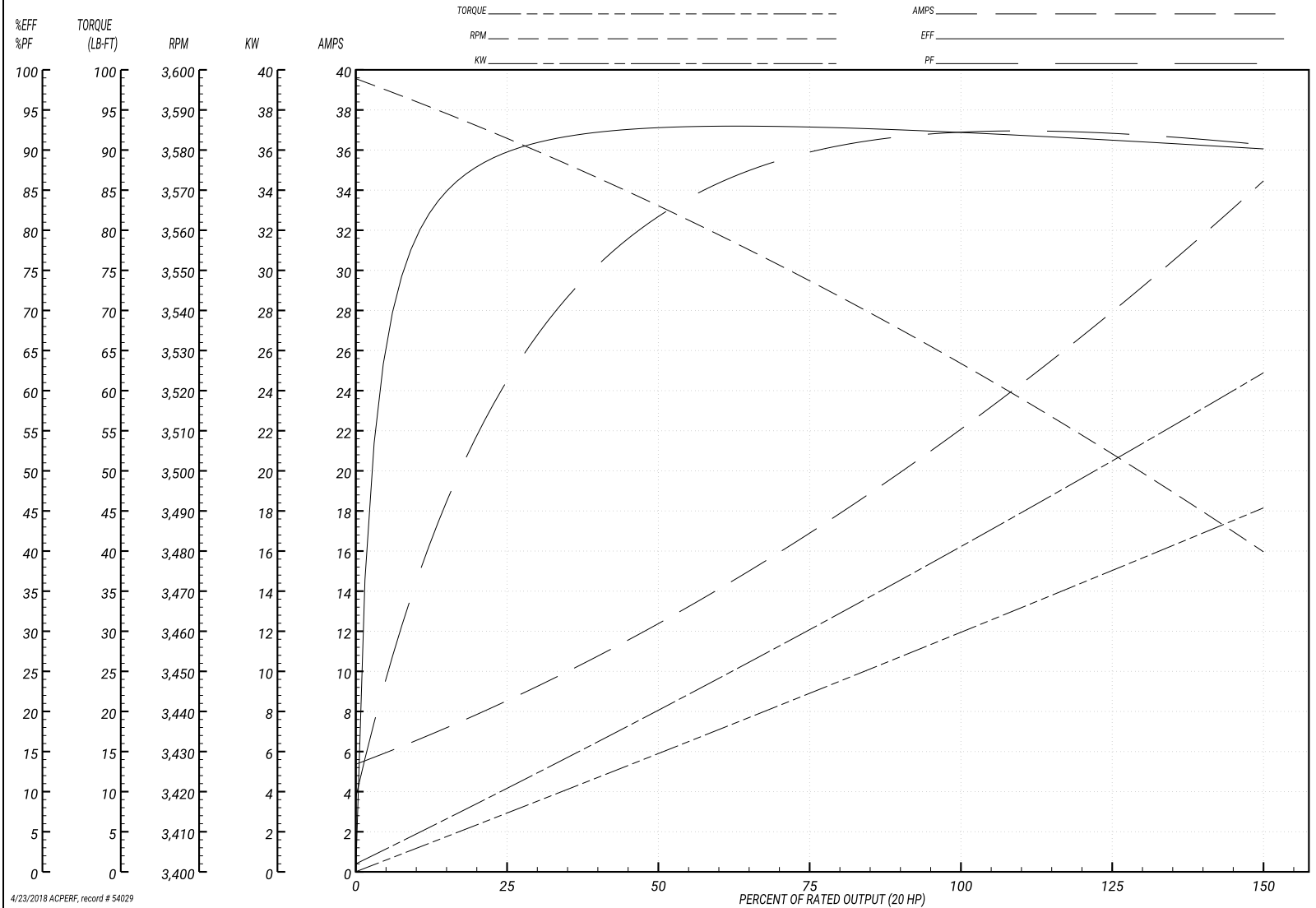
BALDOR ELECTRIC COMPANY

WINDING # 09WGZ651

Typical performance - not guaranteed values.

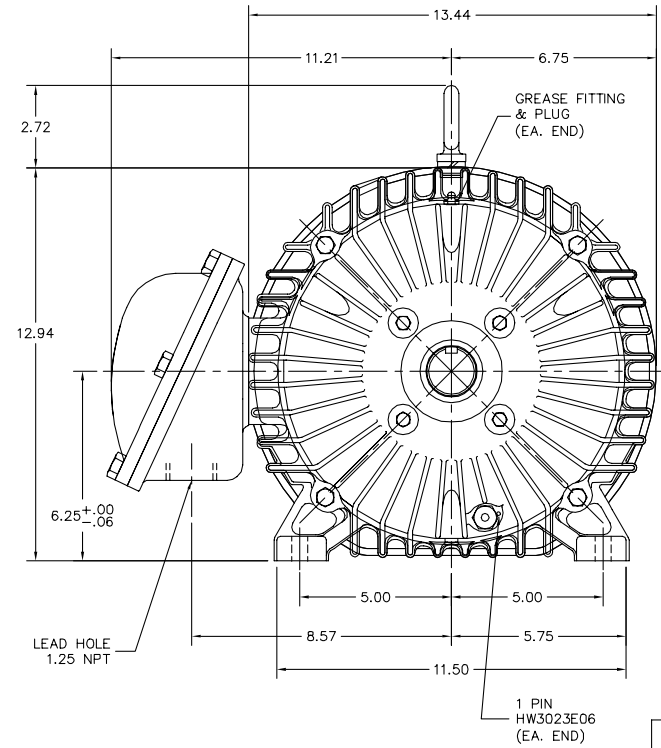
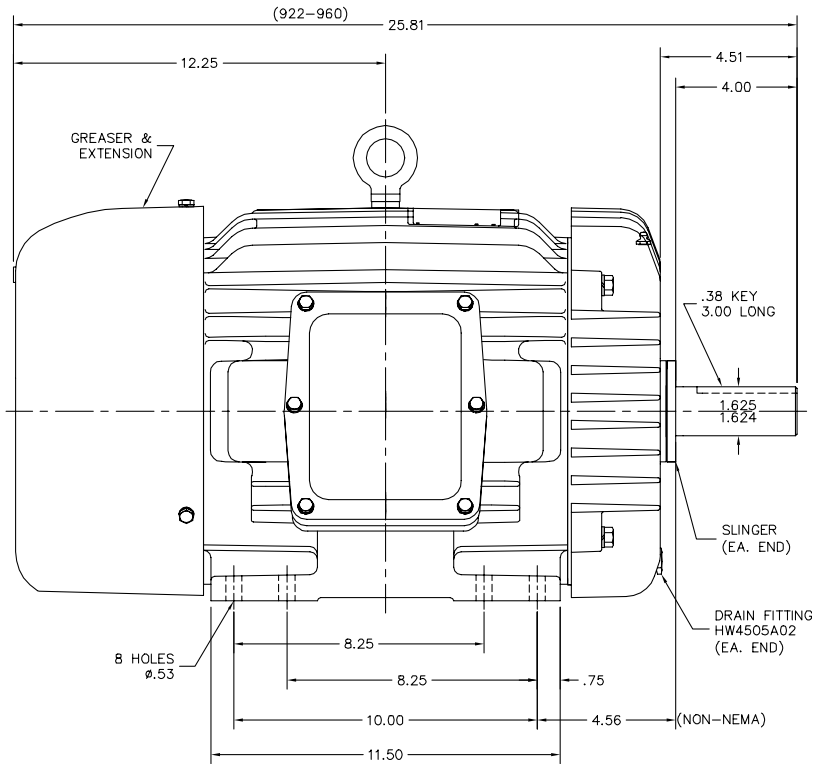
20 HP 3 PH 60 HZ 3530 RPM 460 V 0950M

TORQUES(LB-FT): PO=167 PU=33.7 LR=51 LRA=160



4/23/2018 ACPERF, record # 54029

09LYJ321



09LYJ321

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

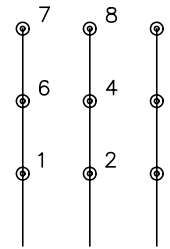
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REV. LTR: D	REVISED: 04:47:06 12/07/2015	BY: ENMARSO
FILE: \AAA\00173\466		
MTL: -		

BALDOR
 HORZ XPFC 254-6T, CP FEAT, CL.1,GP.D,CL.II,GP.E,F,G DRAINS
 SH 1 of 1

CD0180



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)



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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: JLP	REVISED: 01/21/99 2:28	TDR: 0171435
0810D0		FILE: AAA00005148	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS, DELTA CONNECTION

CD0180

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