



Product Information Packet

EM7048T-I

7.5//5HP,1180//980RPM,3PH,60//50HZ,254T

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	09WGT118	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	09F369	Layout:	09LYF369	Poles:	06	Created Date:	10-03-2014
Base:	RG	Eff. Date:	11-20-2017	Leads:	9#12		

Specs			
Catalog Number:	EM7048T-I	Front Face Code:	Standard
Enclosure:	XPFC	Front Shaft Indicator:	None
Frame:	254T	Heater Indicator:	No Heater
Frame Material:	Iron	Insulation Class:	F
Output @ Frequency:	7.500 HP @ 60 HZ	Inverter Code:	Not Inverter
	5.000 HP @ 50 HZ	KVA Code:	J
Synchronous Speed @ Frequency:	1000 RPM @ 50 HZ	Lifting Lugs:	Standard Lifting Lugs
Voltage @ Frequency:	230.0 V @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
	190.0 V @ 50 HZ	Motor Lead Quantity/Wire Size:	9 @ 12 AWG
	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	380.0 V @ 50 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	CLI GP C,D	Motor Type:	0954M
XP Division:	Division I	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	70
	UL	Product Family:	General Purpose
	CSA EEV	Pulley End Bearing Type:	Sealed Bearing
	CSA	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard

Auxiliary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	Rigid	Shaft Extension Location:	Pulley End
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Ground Indicator:	No Shaft Grounding
Blower:	None	Shaft Rotation:	Reversible
Current @ Voltage:	9.600 A @ 380.0 V	Shaft Slinger Indicator:	Shaft Slinger
	22.000 A @ 230.0 V	Speed Code:	Single Speed
	19.200 A @ 190.0 V	Motor Standards:	NEMA
	11.000 A @ 460.0 V	Starting Method:	Direct on line
Design Code:	A	Thermal Device - Bearing:	NONE (OLD)
Drip Cover:	No Drip Cover	Thermal Device - Winding:	Normally Closed Thermostat
Duty Rating:	CONT	Vibration Sensor Indicator:	No Vibration Sensor
Electrically Isolated Bearing:	Not Electrically Isolated	Winding Thermal 1:	None
Feedback Device:	NO FEEDBACK	Winding Thermal 2:	None
		XP Temp Code:	T3C

Nameplate NP0977XPSLEV

NO.				CC	010A		
SER.				TEMP CODE	T3C		
SPEC.	09F369T118G1						
CAT.NO.	EM7048T-I						
HP	7.5//5 NEMA MG-1 PT.5,IP55						
VOLTS	230/460//190/380						
AMPS	22/11//19.2/9.6						
RPM	1180//980			MOTOR WEIGHT	374		
HERTZ	60//50	PH	3	CL	F	DE BRG	6309
SER.F.	1.15	DES	A	CODE	J	ODE BRG	6208
FRAME	254T	GREASE	POLYREX EM				
RATING	40C AMB-CONT						
USABLE AT 208V				NEMA-NOM-EFF	91	PF	70
	55C AMB @ 1.0 SF 60C RISE						

Parts List		
Part Number	Description	Quantity
SA287907	SA 09F369T118G1	1.000 EA
RA274110	RA 09F369T118G1	1.000 EA
MJ5000A01	SEALANT, CHICO A COMPOUND	0.050 LB
09CB1003A01P	CONDUIT BOX MACH. GROUP C MTRS W/PRIME	1.000 EA
10XN3118K24	5/16-18 X 1.50" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
09EP1700A33P	FR ENDPLATE, MACH, XPFC W/DRN HW4505A02	1.000 EA
WD1000B25	GND LUG, BURNDY L125HP OR T&B L125HP-BB	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	1.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	1.000 EA
HW3023E06	.125 X .625 SPIRAL SPRING PIN	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
09FH1004A03P	FAN COVER, MACH PRIMED	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
09EP1707A16P	PU E.P., MACH. W/DRAIN HW4505A02 W/PRIME	1.000 EA
HW3023E06	.125 X .625 SPIRAL SPRING PIN	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
10XN2520K12	1/4-20 X.75 GRD 5	3.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	3.000 EA
HA2066A01	SLINGER, ALUM (AUTO)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
80XN1032A07	SET SCREW, HEX XOCK, ZN	1.000 EA
09CB1502A01P	CONDUIT BOX LID MACH. GROUP C MTRS W/EP	1.000 EA
84XN5013J24	1/2-13 X 1-1/2 HEX SOCKET HD CAP SCREW	6.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,.879 OD, .509 I	6.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1081Z	ALUM XP CAUTION LABEL (ZK PLANT ONLY-	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
HW4505A02	BREATHER/DRAIN-EXP PROOF-.250-18 PTF AIS	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
HW4505A02	BREATHER/DRAIN-EXP PROOF-.250-18 PTF AIS	1.000 EA
09FN3001D01SP	EXTERNAL FAN, PLASTIC	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
LC0145B01	CONNECTION LABEL	1.000 EA
NP0977XPSLEV	SS XP UL CSA-EEV CC CL-I GP-C&D	1.000 EA
40PA1005	PACKAGING GROUP, 09 STD	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 47560 - Typical performance - not guaranteed values

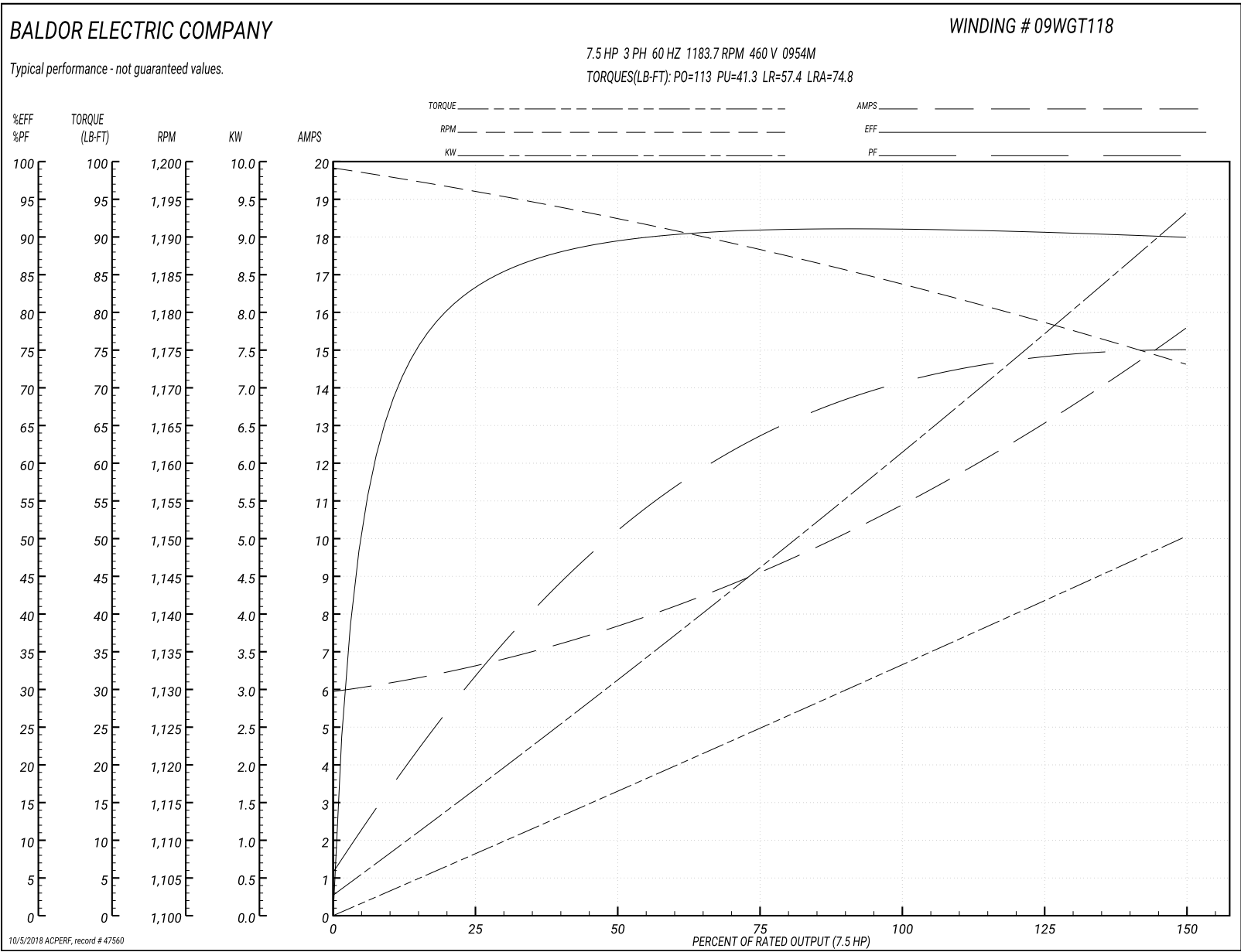
Winding: 09WGT118-R004	Type: 0954M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5//5			Full Load Torque	33.2 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	22/11//19.2/9.6			Breakdown Torque	113 LB-FT
R.P.M.	1180//980			Pull-up Torque	41.3 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	57.4 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	74.8 A
Service Factor (S.F.)	1.15			No-load Current	6.06 A
NEMA Nom. Eff.	91	Power Factor	70	Line-line Res. @ 25°C	0.87037 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	36°C
S.F. Amps				Temp. Rise @ S.F. Load	42°C

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	52	63	70	74	75	72
Efficiency	83.2	89.4	90.9	91.1	90.7	89.9	90.9
Speed	1196.5	1192.4	1188.3	1183.7	1178.7	1173.2	1181
Line amperes	6.49	7.59	9.09	11	13.1	15.5	12.3

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 47561 - Typical performance - not guaranteed values

Winding: 09WGT118-R004	Type: 0954M	Enclosure: XPFC
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Nameplate Data				380 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	7.5//5			Full Load Torque	26.6 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	22/11//19.2/9.6			Breakdown Torque	109 LB-FT
R.P.M.	1180//980			Pull-up Torque	43.5 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	60.5 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	73.4 A
Service Factor (S.F.)	1.15			No-load Current	6 A
NEMA Nom. Eff.	91	Power Factor	70	Line-line Res. @ 25°C	0.895 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	29°C
S.F. Amps				Temp. Rise @ S.F. Load	34°C
				Locked-rotor Power Factor	28.9
				Rotor inertia	4.34 LB-FT ²

Load Characteristics 380 V, 50 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	46	58	66	71	74	73
Efficiency	79.9	87.2	89.7	90.3	90.1	89.3	91.3
Speed	997	994	990	987	983	979	986
Line amperes	6.3	7.07	8.15	9.56	11.1	12.9	9.77

Performance Graph at 380V, 50Hz, 5.0HP Typical performance - Not guaranteed values

