

BALDOR® • RELIANCE

Product Information Packet

EM7067T-I

40//30HP,3540//2950RPM,3PH,60//50HZ,324T

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1252M	Elec. Spec:	12WGY584	CD Diagram:	CD0180
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	12T060	Layout:	12LYT060
Frame:	324TS	Mounting:	F1	Poles:	02	Created Date:	06-04-2012
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-04-2017
Leads:	9#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0977XPSLEV

NO.				CC	010A		
SER.				TEMP CODE	T3C		
SPEC.	12T060Y584G1						
CAT.NO.	EM7067T-I						
HP	40//30 NEMA MG-1 PT.5,IP55						
VOLTS	230/460//190/380						
AMPS	90/45//82/41						
RPM	3540//2950			MOTOR WEIGHT	745		
HERTZ	60//50	PH	3	CL	F	DE BRG	6312
SER.F.	1.15	DES	A	CODE	H	ODE BRG	6311
FRAME	324TS	GREASE	POLYREX EM				
RATING	40C AMB-CONT						
USABLE AT 208V	98	NEMA-NOM-EFF	92.4	PF	88		
	55C AMB @ 1.0 SF 60C RISE						

Parts List		
Part Number	Description	Quantity
SA245987	SA 12T060Y584G1	1.000 EA
RA232874	RA 12T060Y584G1	1.000 EA
37FN3002C04	EXFN, PLASTIC, 6.00 OD, 2.000 ID	1.000 EA
12CB1003A01	CONDUIT BOX MACH. GROUP C MTRS	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
WD1000B19	TERMINAL BURNDY L250HP	1.000 EA
10XN3816K12	3/8-16 X 3/4 HEX HD CAP GRADE 5	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	1.000 EA
12EP1705A12P	EP, MACH. XPFC, 311 BRG. GRP C, HW4505A0	1.000 EA
HW3023E06	.125 X .625 SPIRAL SPRING PIN	1.000 EA
HA3051A03	1/2-13X2.75 BLT GR8 1.75 TO E NC F/S	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,879 OD, .509 I	4.000 EA
HW5100A13	W4627-047 WVY WSHER	1.000 EA
10XN3118K44	5/16-18 X 2.75" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
12EP1706A08P	EP, MACH. XPFC 312 BRG. W/DRAIN HW4505A0	1.000 EA
HW3023E06	.125 X .625 SPIRAL SPRING PIN	1.000 EA
HA3051A03	1/2-13X2.75 BLT GR8 1.75 TO E NC F/S	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,879 OD, .509 I	4.000 EA
HA2067A02	SLINGER ALUM (AUTO)	1.000 EA
80XN1032A07	SET SCREW, HEX XOCK, ZN	2.000 EA
12FH1001A06	FAN HOUSING 312 EXPLOSION PROOF MOTORS	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	3.000 EA
12CB1502A01	CONDUIT BOX LID MACH. GROUP C MTRS	1.000 EA
84XN5013J32	SOCKET HD.CAP SCR,1/2-13 X 2"LG,ALLOY ST	10.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,.879 OD, .509 I	10.000 EA
HW2501H18	KEY, 1/2 SQ X 2.000	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	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)	0.200 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 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.	0.125 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
LB1081	ALUM XP CAUTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP0977XPSLEV	SS XP UL CSA-EEV CC CL-I GP-C&D	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA

AC Induction Motor Performance Data

Record # 38693 - Typical performance - not guaranteed values

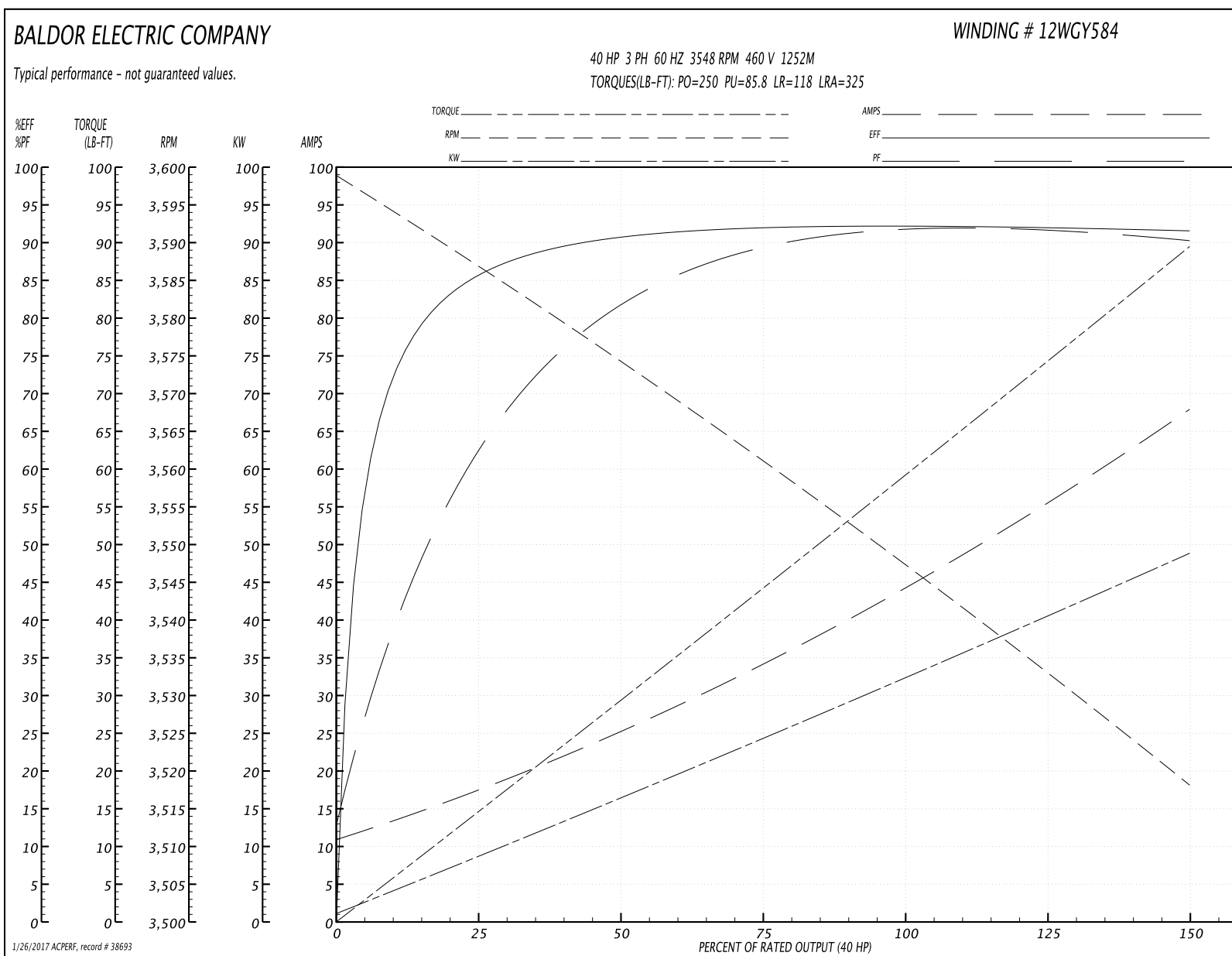
Winding: 12WGY584-R001	Type: 1252M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	40//30			Full Load Torque	59.2 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	90/45//82/41			Breakdown Torque	250 LB-FT
R.P.M.	3540//2950			Pull-up Torque	85.8 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	118 LB-FT
NEMA Design Code	A	KVA Code	H	Starting Current	325 A
Service Factor (S.F.)	1.15			No-load Current	11.7 A
NEMA Nom. Eff.	92.4	Power Factor	88	Line-line Res. @ 25°C	0.12 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
S.F. Amps				Temp. Rise @ S.F. Load	71°C
				Locked-rotor Power Factor	21
				Rotor inertia	4.07 LB-FT ²

Load Characteristics 460 V, 60 Hz, 40 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	67	83	89	90	91	91	91
Efficiency	84.6	90.4	91.9	92.6	92	91.5	92.2
Speed	3587	3574	3561	3548	3533	3518	3539
Line amperes	16.4	24.7	34.4	44.7	55.9	67.4	51.4

Performance Graph at 460V, 60Hz, 40.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 38694 - Typical performance - not guaranteed values

Winding: 12WGY584-R001	Type: 1252M	Enclosure: TEFC
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Nameplate Data				380 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	40//30			Full Load Torque	53.3 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	90/45//82/41			Breakdown Torque	242 LB-FT
R.P.M.	3540//2950			Pull-up Torque	91.4 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	126 LB-FT
NEMA Design Code	A	KVA Code	H	Starting Current	319 A
Service Factor (S.F.)	1.15			No-load Current	11.6 A
NEMA Nom. Eff.	92.4	Power Factor	88	Line-line Res. @ 25°C	0.12 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	52°C
S.F. Amps				Temp. Rise @ S.F. Load	62°C
				Locked-rotor Power Factor	24
				Rotor inertia	4.07 LB-FT ²

Load Characteristics 380 V, 50 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	66	82	88	90	91	91	91
Efficiency	81.3	88.2	90.2	91.3	90.9	90.4	91.1
Speed	2988	2976	2965	2953	2940	2927	2945
Line amperes	15.9	23.3	32.1	41.3	51.5	61.8	47.4

Performance Graph at 380V, 50Hz, 30.0HP Typical performance - Not guaranteed values

