

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	
SER.F.	1.15	DES	A	CODE	H	
FRAME	324TS	GREASE	POLYREX EM			
RATING	40C AMB-CONT			DE BRG	6312	
USABLE AT 208V	98	ODE BRG	6311			
	55C AMB @ 1.0 SF 60C RISE			NEMA-NOM-EFF	92.4	
				PF	88	

AC Induction Motor Performance Data

Record # 38693 - Typical performance - not guaranteed values

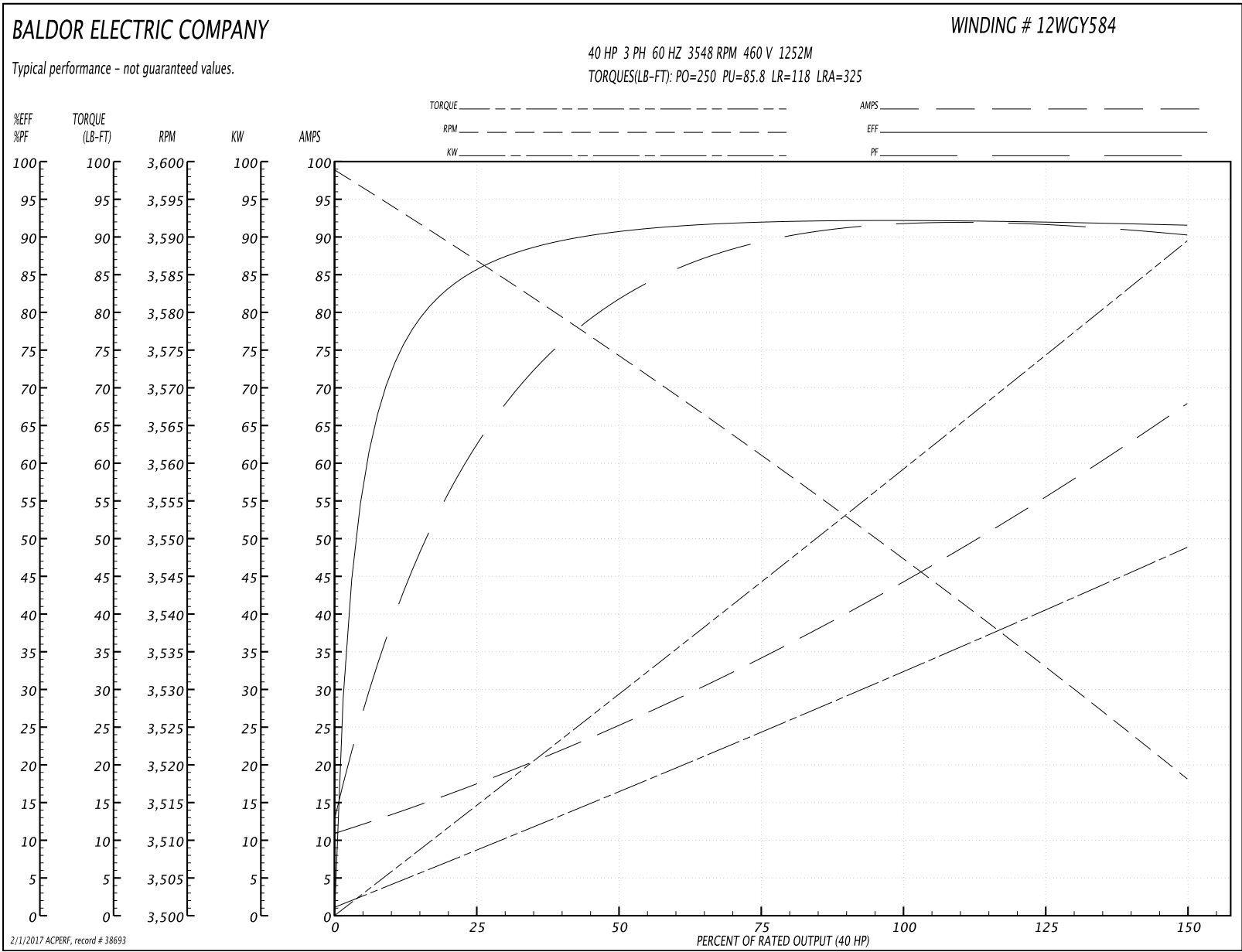
Winding: 12WGY584-R001	Type: 1252M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	40//30			Full Load Torque	59.2 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	90/45//82/41			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

