

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **M1723T**

**3/1.3HP, 1725/1140RPM, 3PH, 60HZ, 184T, 3634M**

Part Detail							
Revision:	W	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGY048	CD Diagram:	CD0013	Mfg Plant:	
Mech. Spec:	36A001	Layout:	36LYA001	Poles:	04/06	Created Date:	
Base:	RG	Eff. Date:	06-26-2015	Leads:	6#16		

Specs			
Catalog Number:	M1723T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	184T	KVA Code:	G
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
	1.300 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 16 AWG
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3634M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Product Family:	General Purpose
	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:	4.000 A @ 460.0 V	Shaft Rotation:	Reversible

<b>Design Code:</b>	B	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Drip Cover:</b>	No Drip Cover	<b>Speed Code:</b>	2S-2W-VT
<b>Duty Rating:</b>	CONT	<b>Motor Standards:</b>	NEMA
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Starting Method:</b>	Direct on line
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Bearing:</b>	None
<b>Front Face Code:</b>	Standard	<b>Thermal Device - Winding:</b>	None
<b>Front Shaft Indicator:</b>	None	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 1:</b>	None
		<b>Winding Thermal 2:</b>	None

<b>Nameplate NP1256L</b>										
<b>CAT.NO.</b>	M1723T									
<b>SPEC.</b>	36A01Y48									
<b>HP</b>	3/1.3									
<b>VOLTS</b>	460									
<b>AMP</b>	4/2.6									
<b>RPM</b>	1725/1140									
<b>FRAME</b>	184T				<b>HZ</b>	60			<b>PH</b>	3
<b>SER.F.</b>	1.15			<b>CODE</b>	G	<b>DES</b>	B		<b>CLASS</b>	F
<b>NEMA-NOM-EFF</b>				<b>PF</b>						
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>									<b>USABLE AT 208V</b>	
<b>DE</b>	6206				<b>ODE</b>	6205				
<b>ENCL</b>	TEFC			<b>SN</b>						

**AC Induction Motor Performance Data**

Record # 15218 - Typical performance - not guaranteed values

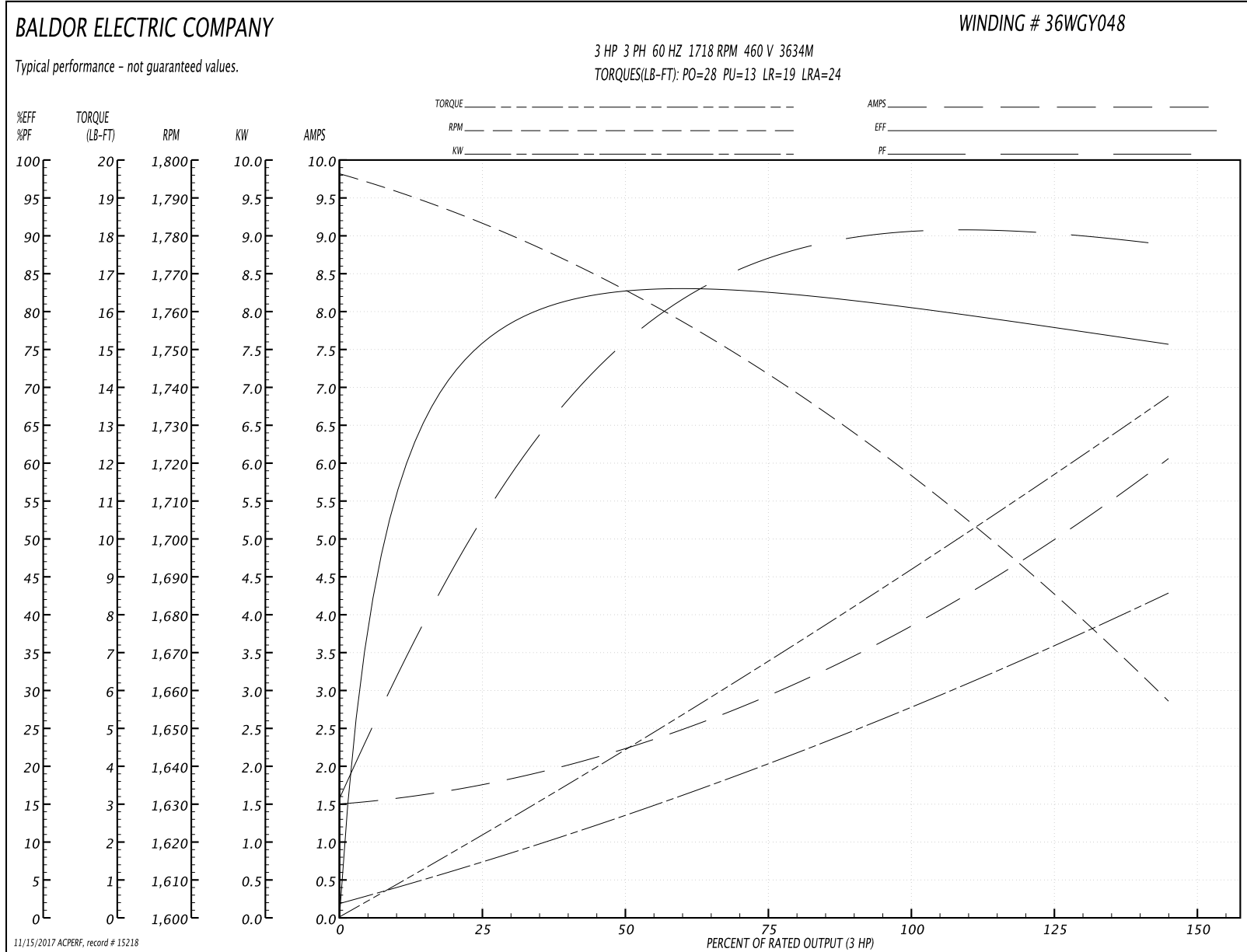
<b>Winding:</b> 36WGY048-R002	<b>Type:</b> 3634M	<b>Enclosure:</b> TEFC
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Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	3/1.3			Full Load Torque	9.2 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	4/2.6			Breakdown Torque	28 LB-FT
R.P.M.	1725/1140			Pull-up Torque	13 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	24 A
Service Factor (S.F.)	1.15			No-load Current	1.5 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	9.85 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	54	75	85	90	92	92	91
Efficiency	74.3	81.5	82.4	81.2	78.7	75.2	79.7
Speed	1781	1763	1742	1718	1690	1655	1701
Line amperes	1.75	2.3	3	3.85	4.85	6.1	4.45

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values



**AC Induction Motor Performance Data**

Record # 15219 - Typical performance - not guaranteed values

<b>Winding:</b> 36WGY048-R002	<b>Type:</b> 3634M	<b>Enclosure:</b> TEFC
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Nameplate Data				460 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	3/1.3			Full Load Torque	5.9 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	4/2.6			Breakdown Torque	17 LB-FT
R.P.M.	1725/1140			Pull-up Torque	9.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	10.3 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	12 A
Service Factor (S.F.)	1.15			No-load Current	1.95 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	17.7 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 460 V, 60 Hz, 1.3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	43	55	65	72	78	69
Efficiency	52.3	66.9	72.7	75	75.5	74.9	75.3
Speed	1190	1181	1172	1161	1150	1137	1154
Line amperes	2	2.1	2.25	2.5	2.8	3.1	2.7

Performance Graph at 460V, 60Hz, 1.3HP Typical performance - Not guaranteed values

