

# **BALDOR**® • **RELIANCE**

## **Product Information Packet**

# **M1020T**

**1/.44HP,1725/1140RPM,3PH,60HZ,145T,3528M**

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528M	Elec. Spec:	35WGY040	CD Diagram:	CD0013
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	35BB001	Layout:	35LYBB001
Frame:	145T	Mounting:	F1	Poles:	04/06	Created Date:	12-22-2009
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	05-17-2016
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M1020T									
SPEC.	35BB001Y040									
HP	1/.44									
VOLTS	230									
AMP	3/2.1									
RPM	1725/1140									
FRAME	145T				HZ	60			PH	3
SER.F.	1.15		CODE	H	DES	B		CLASS	B	
NEMA-NOM-EFF			PF							
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6205				ODE	6203				
ENCL	OPEN		SN							

Parts List		
Part Number	Description	Quantity
SA189009	SA 35BB001Y040	1.000 EA
RA176728	RA 35BB001Y040	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35FE3201A01	FREP ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35PE3200A01	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0013	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

<b>Accessories</b>		
<b>Part Number</b>	<b>Description</b>	<b>Multiplier</b>
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	A8

**AC Induction Motor Performance Data**

Record # 10131 - Typical performance - not guaranteed values

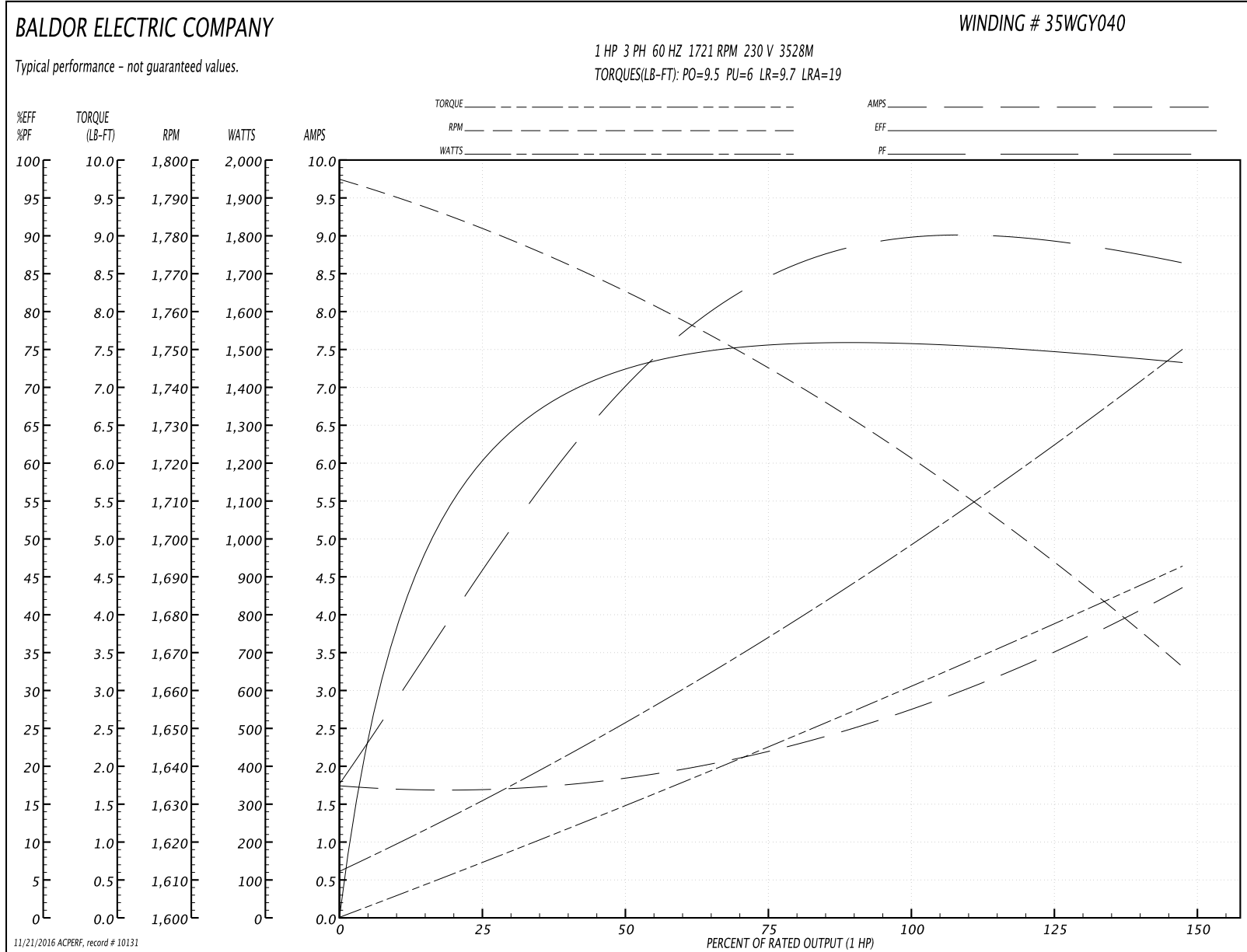
<b>Winding:</b> 35WGY040-R001	<b>Type:</b> 3528M	<b>Enclosure:</b> TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				230 V, 60 Hz: High Speed Connection	
Rated Output (HP)	1/.44			Full Load Torque	3.1 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	3.7/2.7			Breakdown Torque	9.5 LB-FT
R.P.M.	1725/1140			Pull-up Torque	6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	9.7 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	19 A
Service Factor (S.F.)	1.15			No-load Current	1.8 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	7.52 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	61°C
S.F. Amps				Temp. Rise @ S.F. Load	75°C

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	60	74	82	87	91	85
Efficiency	59.8	72	75.7	76.3	75.2	72.9	75.6
Speed	1780	1763	1743	1721	1695	1665	1705
Line amperes	1.9	1.2	2.5	3	3.6	4.2	3.36

Performance Graph at 230V, 60Hz, 1.0HP Typical performance - Not guaranteed values



**AC Induction Motor Performance Data**

Record # 10132 - Typical performance - not guaranteed values

<b>Winding:</b> 35WGY040-R001	<b>Type:</b> 3528M	<b>Enclosure:</b> TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				230 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	1/.44			Full Load Torque	2 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	3.7/2.7			Breakdown Torque	6.5 LB-FT
R.P.M.	1725/1140			Pull-up Torque	4.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	4.8 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	10 A
Service Factor (S.F.)	1.15			No-load Current	1.8 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	14.2 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
S.F. Amps				Temp. Rise @ S.F. Load	58°C

Load Characteristics 230 V, 60 Hz, 0.44 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	41	51	60	68	75	65
Efficiency	38.3	54.3	62.2	66.3	68.3	68.7	67.5
Speed	1190	1181	1172	1161	1150	1137	1154
Line amperes	1.8	1.9	1.95	2.05	2.2	2.4	2.14

Performance Graph at 230V, 60Hz, 0.44HP Typical performance - Not guaranteed values

