

BALDOR® • RELIANCE

Product Information Packet

M1006T

2/.5HP,1725/850RPM,3PH,60HZ,145T,3528M,O

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528M	Elec. Spec:	35WGX475	CD Diagram:	CD0032
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	35BB001	Layout:	35LYBB001
Frame:	145T	Mounting:	F1	Poles:	04/08	Created Date:	12-22-2009
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	10-27-2011
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	M1006T								
SPEC.	35BB001X475G1								
HP	2/.5								
VOLTS	230								
AMP	6.1/2.6								
RPM	1725/850								
FRAME	145T	HZ			60	PH	3		
SER.F.	1.15	CODE			K	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
SA189005	SA 35BB001X475G1	1.000 EA
RA176724	RA 35BB001X475G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB CASTING 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
35EP3201A01	STD FR ENDPLATE-OPEN-203 BRG W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3200A01	STD PU ENDPLATE-OPEN-205 BRG W/GREASER	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
HW2501D13SP	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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0032	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
PA1000	PACKING GROUP 3500 SHORT	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 10009 - Typical performance - not guaranteed values

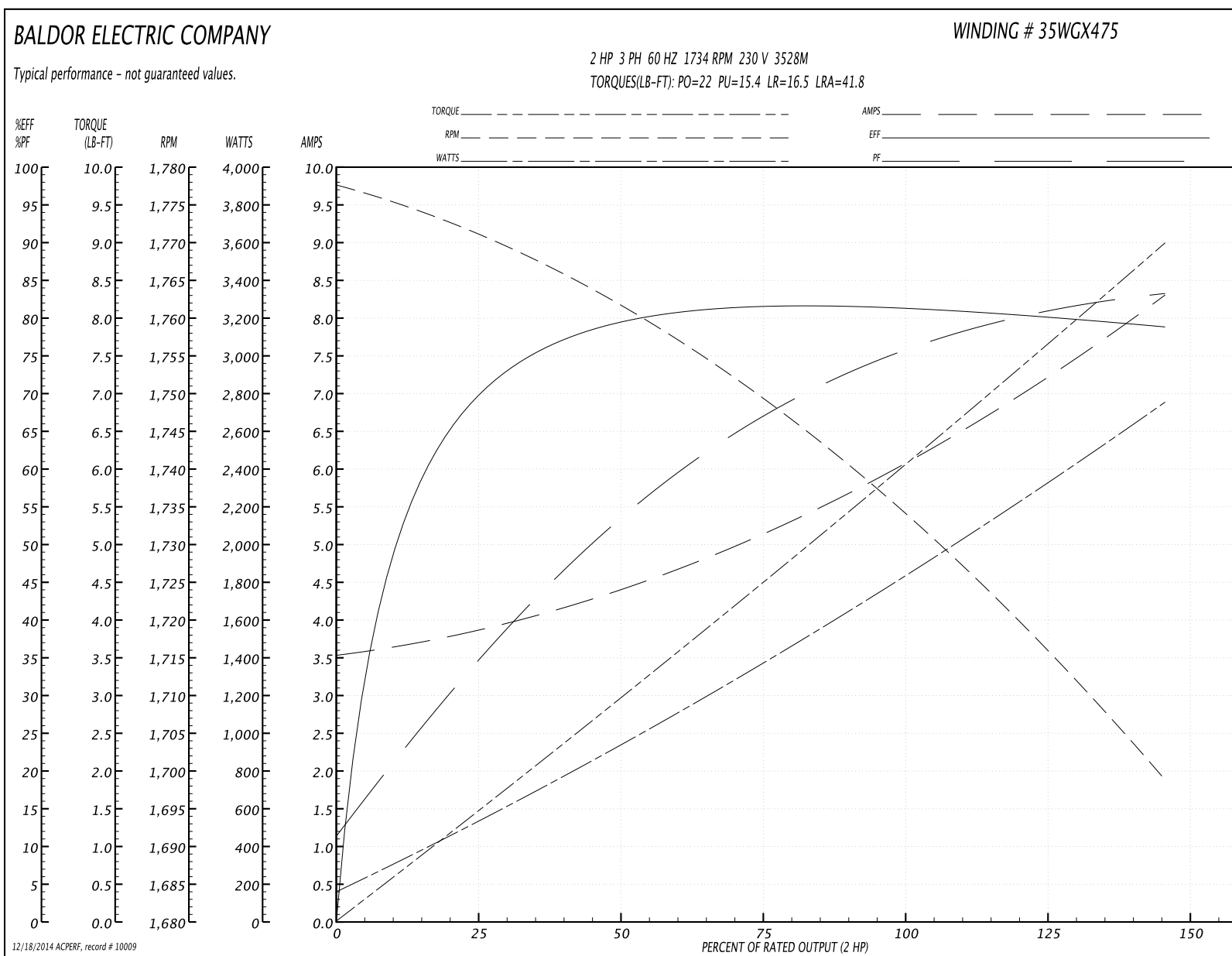
Winding: 35WGX475-R002	Type: 3528M	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: High Speed Connection	
Rated Output (HP)	2/5			Full Load Torque	6 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	6.1/2.6			Breakdown Torque	22 LB-FT
R.P.M.	1725/850			Pull-up Torque	15.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	16.5 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	41.8 A
Service Factor (S.F.)	1.15			No-load Current	3.6 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	2.61 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	51°C

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	36	55	69	76	81	83
Efficiency	69.5	79.4	81.8	81.3	80.3	78.8
Speed	1754	1770	1753	1734	1716	1699
Line amperes	3.8	4.4	5	6.2	7.2	8.2

Performance Graph at 230V, 60Hz, 2.0HP Typical performance - Not guaranteed values



12/18/2014 ACPERF, record # 10009

AC Induction Motor Performance Data

Record # 10010 - Typical performance - not guaranteed values

Winding: 35WGX475-R002	Type: 3528M	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	2/5			Full Load Torque	3 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	6.1/2.6			Breakdown Torque	8.9 LB-FT
R.P.M.	1725/850			Pull-up Torque	5.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	6.1 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	9.2 A
Service Factor (S.F.)	1.15			No-load Current	2.1 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	10.7 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	46°C

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	26	37	46	55	60	65
Efficiency	45.9	59.6	65.1	67.3	67	65.6
Speed	889	881	873	861	850	836
Line amperes	2.2	2.3	2.4	2.6	2.9	3.2

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values

