

BALDOR® • RELIANCE

Product Information Packet

CWDM3537

.5HP,3450RPM,3PH,60HZ,56C,3513M,TENV,F1

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Part Detail									
Revision:	W	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3513M	Elec. Spec:	35WG1706	CD Diagram:			
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35T964	Layout:			
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	06-22-2007		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-03-2012		
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1496L									
CAT.NO.	CWDM3537								
SPEC.	35T964-1706G1								
HP	.5								
VOLTS	208-230/460								
AMP	1.9-1.8/.9								
RPM	3450								
FRAME	56C	HZ			60	PH	3		
SER.F.	1.25	CODE			L	DES	B	CLASS	F
NEMA-NOM-EFF	70	PF			76				
RATING	40C AMB-CONT								
CC				USABLE AT 208V		2.1			
DE	6205	ODE			6203				
ENCL	TENV	SN							
	SFA 2.1-2/1								

Parts List		
Part Number	Description	Quantity
SA111052	SA 35T964-1706G1	1.000 EA
RA102431	RA 35T964-1706G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3008A01W	35 CB .50 NPT @ 6, MACH WHITE EPOXY	1.000 EA
35GS1039	05 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	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
35EP3100M71MW	SPL FR ENDPLATE -TENV- SP.#9 (WHITE EPOX	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A48MW	SPL FACE MTD EP - 205 BRG - W/SEAL FOR W	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49SP	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
35CB4522	35 LIPPED CB LID AUTOPHORETIC	1.000 EA
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW4600B46SP	SEAL 0.875 X 1.420 X 0.240 FACE SEALING	1.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MJ5001A01	46-665 RED SEALER	0.001 QT

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
MG1025W11	PAINT- 781-101 WILKOFAS WHITE EPOXY	0.017 GA
HA3100S08	THRUBOLT 7.375LG SS	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA
PA1000	PACKING GROUP 3500 SHORT	1.000 EA

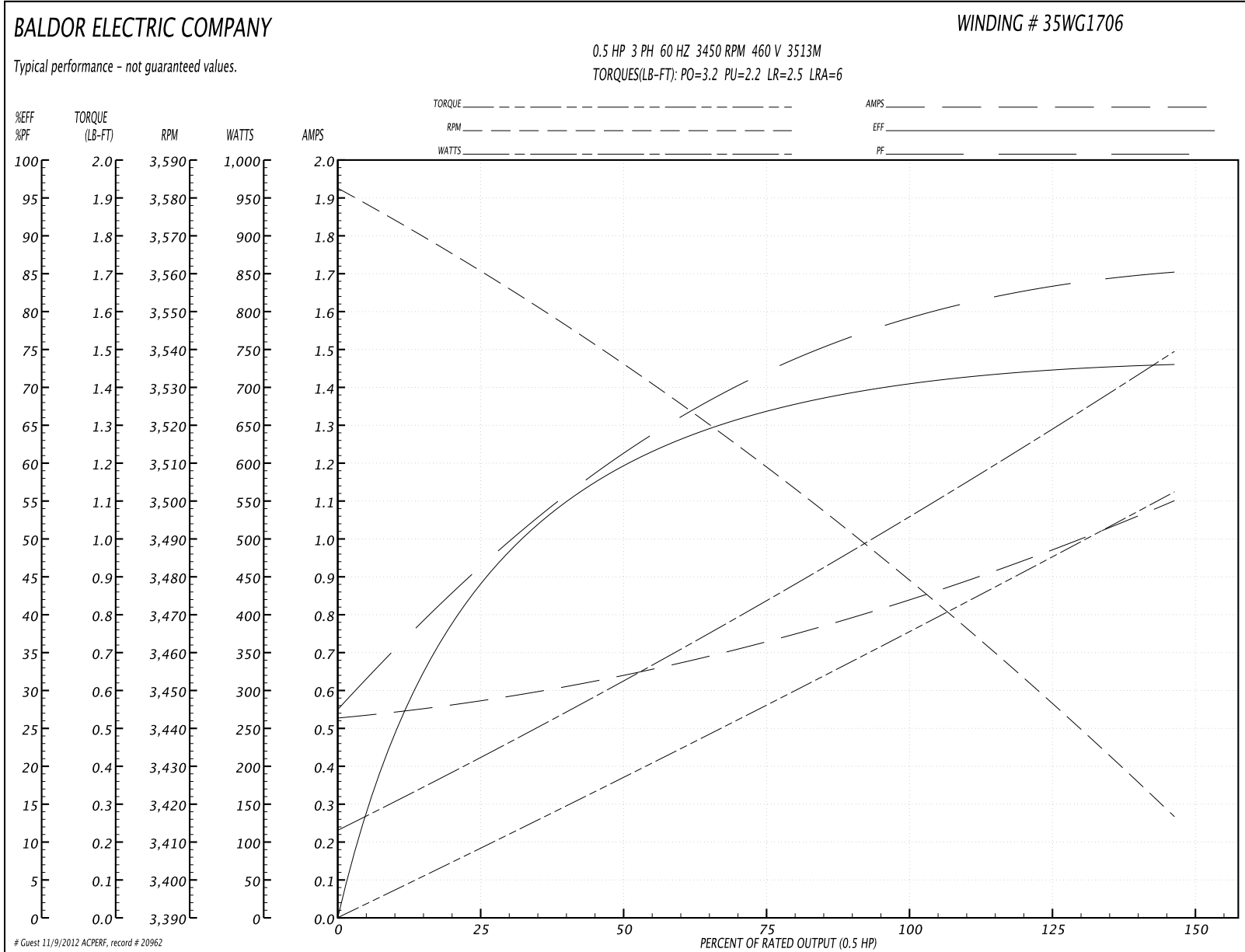
Performance Data at 460V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)**General Characteristics**

Full Load Torque:	0.75 LB-FT	Start Configuration:	DOL
No-Load Current:	0.53 Amps	Break-Down Torque:	3.2 LB-FT
Line-line Res. @ 25°C.:	36.1 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	2.2 LB-FT
Temp. Rise @ Rated Load:	62 C	Locked-Rotor Torque:	2.5 LB-FT
Temp. Rise @ S.F. Load:		Starting Current:	6.0 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	47.0	62.0	72.0	79.0	84.0	87.0	0.0
Efficiency:	44.1	59.6	66.9	70.6	72.3	72.9	0.0
Speed:	3560.0	3535.0	3509.0	3480.0	3450.0	3416.0	0.0
Line Amperes:	0.57	0.64	0.73	0.84	0.96	1.1	0.0

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values



Performance Data at 208V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		0.754 LB-FT		Start Configuration:		DOL	
No-Load Current:		0.933 Amps		Break-Down Torque:		2.6 LB-FT	
Line-line Res. @ 25°C.:		9.11 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		1.78 LB-FT	
Temp. Rise @ Rated Load:		59 C		Locked-Rotor Torque:		2.03 LB-FT	
Temp. Rise @ S.F. Load:				Starting Current:		10.8 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	54.0	69.0	78.0	84.0	87.0	88.0	0.0
Efficiency:	46.7	62.1	68.9	71.5	72.6	72.4	0.0
Speed:	3553.0	3523.0	3491.0	3455.0	3417.0	3373.0	0.0
Line Amperes:	1.04	1.22	1.45	1.72	2.02	2.37	0.0

Performance Graph at 208V, 60Hz, 0.5HP Typical performance - Not guaranteed values

