

BALDOR® • RELIANCE

Product Information Packet

VSSWDM3546

1HP,1745RPM,3PH,60HZ,56C,3524M,TENV,F1,N

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WGP560	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35W897	Layout:	35LYW897
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	08-04-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-14-2014
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1953A01									
CAT.NO.	VSSWDM3546								
SPEC.	35W897P560G1								
HP	1								
VOLTS	208-230/460								
AMP	3-2.9/1.45								
RPM	1745								
FRAME	56C	HZ			60	PH	3		
SER.F.	1.15	CODE			M	DES	B	CLASS	F
NEMA-NOM-EFF	85.5	PF			76				
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6205	ODE			6203				
ENCL	TENV	SN							

Parts List		
Part Number	Description	Quantity
SA201190	SA 35W897P560G1	1.000 EA
RA188494	RA 35W897P560G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB5001A08	CONDUIT BOX KIT, S/P 9-2 (ALL STAINLESS)	1.000 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
35FE1913A01	FR ENDPLATE ASSY	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35PE1914A02	PU EP ASSY. FOR LOCKED BRG	1.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 EA
12XN1032S22	10-32 X 1 3/8 SLOT HEX, STAINLESS STEEL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	2.000 EA
HA3100S45	THRU BOLT HEX-HEAD 7.95 10-32	4.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	4.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
35PA1066	PACKING GROUP COMBINED PRINT	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 30280 - Typical performance - not guaranteed values

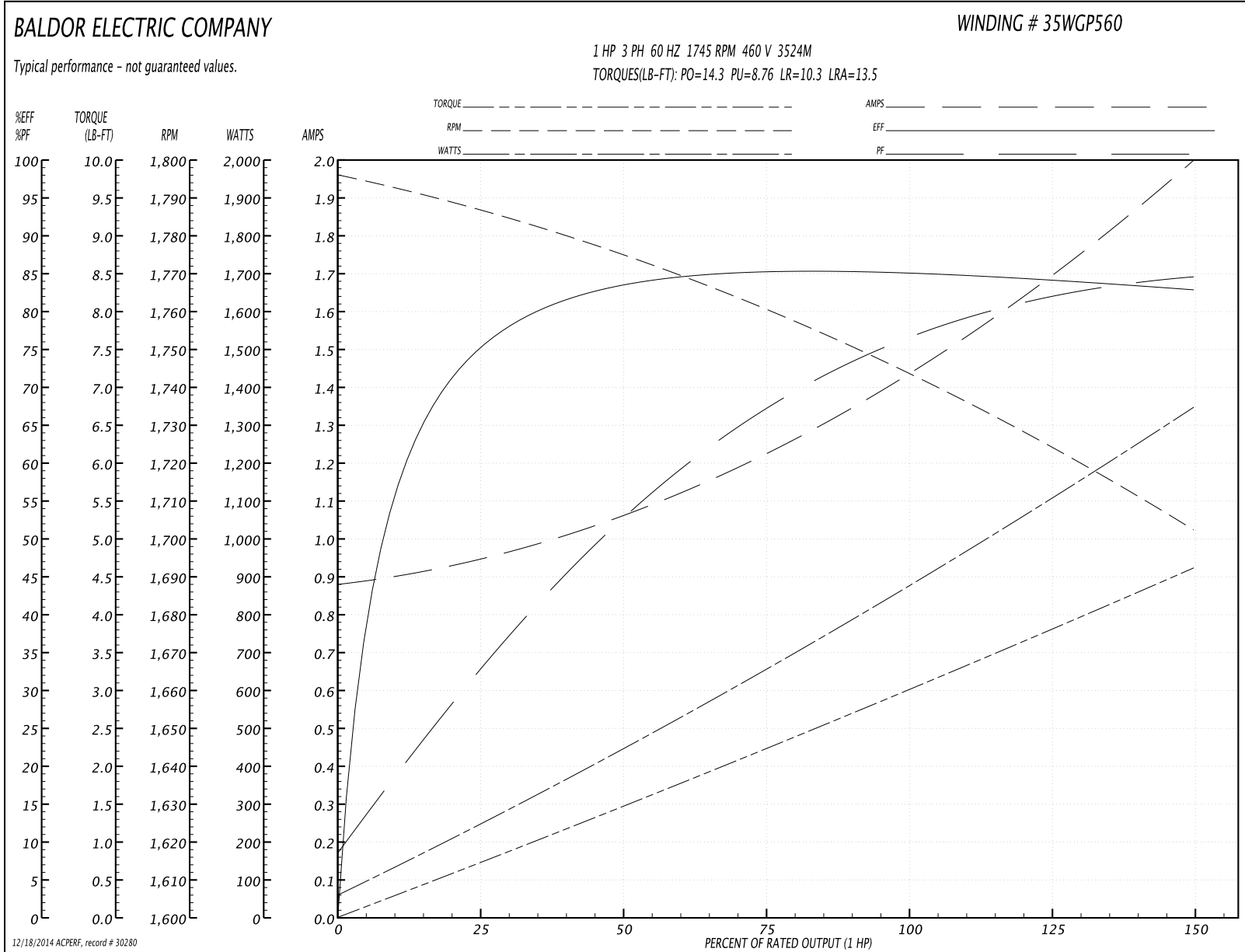
Winding: 35WGP560-R001	Type: 3524M	Enclosure: TENV
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	3.02 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3-2.9/1.45			Breakdown Torque	14.3 LB-FT
R.P.M.	1745			Pull-up Torque	8.76 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	10.3 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	13.5 A
Service Factor (S.F.)	1.15			No-load Current	0.89 A
NEMA Nom. Eff.	85.5	Power Factor	76	Line-line Res. @ 25°C	15.922 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	85°C
S.F. Amps				Temp. Rise @ S.F. Load	101°C
				Rotor inertia	0.142 LF ²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	67	76	81	85	79
Efficiency	74.6	83.4	85.4	85.5	84.7	82.6	85
Speed	1783.9	1773.9	1759.9	1743.9	1730.8	1698.3	1736
Line amperes	0.935	1.05	1.22	1.45	1.7	1.99	1.6

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values



12/18/2014 ACPERF, record # 30280

