

BALDOR® • ***RELIANCE***

Product Information Packet

M1218

.5/.22HP,1725/1140RPM,3PH,60HZ,56,3520M

Part Detail							
Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520M	Elec. Spec:	35WGY623	CD Diagram:	CD0013
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	35B011	Layout:	35LYB011
Frame:	56	Mounting:	F1	Poles:	04/06	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	02-01-2016
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M1218									
SPEC.	35B11Y623G1									
HP	.5/.22									
VOLTS	460									
AMP	.9/.6									
RPM	1725/1140									
FRAME	56				HZ	60			PH	3
SER.F.	1.15			CODE	H	DES	B		CLASS	B
NEMA-NOM-EFF	78			PF	72					
RATING	40C AMB-CONT									
CC	USABLE AT 208V									
DE	6205				ODE	6203				
ENCL	OPEN			SN						

Parts List		
Part Number	Description	Quantity
SA023498	SA 35B11Y623G1	1.000 EA
RA019548	RA 35B11Y623G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. 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
35EP3201A03	STD FR EP OPEN-203BRG-35L OR M FRAME--LE	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3200A02	PUEP OPEN 205 BRG	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
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	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
HA3100A15	THRUBOLT 10-32 X 8.375	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
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	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 # 10280 - Typical performance - not guaranteed values

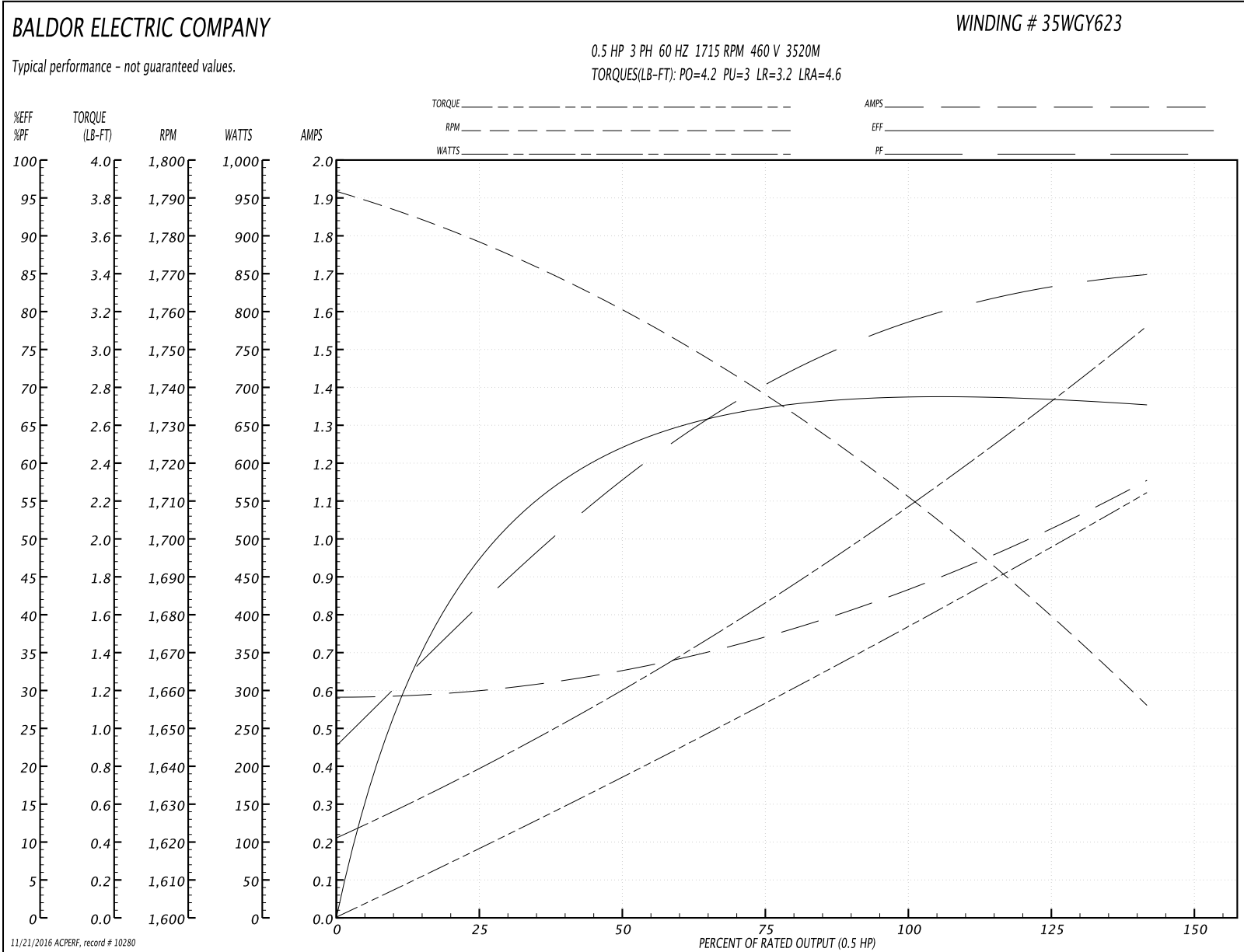
Winding: 35WGY623-R001	Type: 3520M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	.5/.22			Full Load Torque	1.5 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	.9/.6			Breakdown Torque	4.2 LB-FT
R.P.M.	1725/1140			Pull-up Torque	3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	3.2 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	4.6 A
Service Factor (S.F.)	1			No-load Current	0.58 A
NEMA Nom. Eff.	78	Power Factor	72	Line-line Res. @ 25°C	62.3 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	41	58	71	80	86	90
Efficiency	46.8	61.4	67.2	69.2	69	67.3
Speed	1777	1759	1738	1715	1688	1654
Line amperes	0.6	0.66	0.74	0.85	0.99	1.16

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



AC Induction Motor Performance Data

Record # 10281 - Typical performance - not guaranteed values

Winding: 35WGY623-R001	Type: 3520M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	.5/.22			Full Load Torque	1 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	.9/.6			Breakdown Torque	3.1 LB-FT
R.P.M.	1725/1140			Pull-up Torque	1.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	2.2 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	2.4 A
Service Factor (S.F.)	1			No-load Current	0.52 A
NEMA Nom. Eff.	78	Power Factor	72	Line-line Res. @ 25°C	120 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 460 V, 60 Hz, 0.22 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	34	44	53	62	69	75
Efficiency	29.3	44.6	53.2	58.2	60.8	61.9
Speed	1187	1178	1168	1156	1144	1129
Line amperes	0.52	0.53	0.55	0.58	0.61	0.66

Performance Graph at 460V, 60Hz, 0.22HP Typical performance - Not guaranteed values

