

BALDOR® • **RELIANCE**

Product Information Packet

M1719

.75/.33HP, 1735/1160RPM, 3PH, 60HZ, 56, 3517M

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3517M	Elec. Spec:	35WGP584	CD Diagram:	CD0013
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35A011	Layout:	35LYA011
Frame:	56	Mounting:	F1	Poles:	04/06	Created Date:	05-01-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-28-2016
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M1719									
SPEC.	35A011P584									
HP	.75/.33									
VOLTS	460									
AMP	1.39/.84									
RPM	1740/1165									
FRAME	56				HZ	60			PH	3
SER.F.	1.25		CODE	L	DES	-		CLASS	F	
NEMA-NOM-EFF			PF							
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6205				ODE	6203				
ENCL	TEFC		SN							
	SFA 1.55/.9									

Parts List		
Part Number	Description	Quantity
SA156935	SA 35A011P584	1.000 EA
RA145637	RA 35A011P584	1.000 EA
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	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
35EP3100M02	FREP TEFC 203 BRG W/O GR SR (RAISED FH MT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3101A02SP	STD PU ENDPLATE-ENCL-205 BRG LESS GREASE	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32SP	IEC FH NO GR SR W/3 HOLES - PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT	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

Parts List (continued)		
Part Number	Description	Quantity
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
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 27979 - Typical performance - not guaranteed values

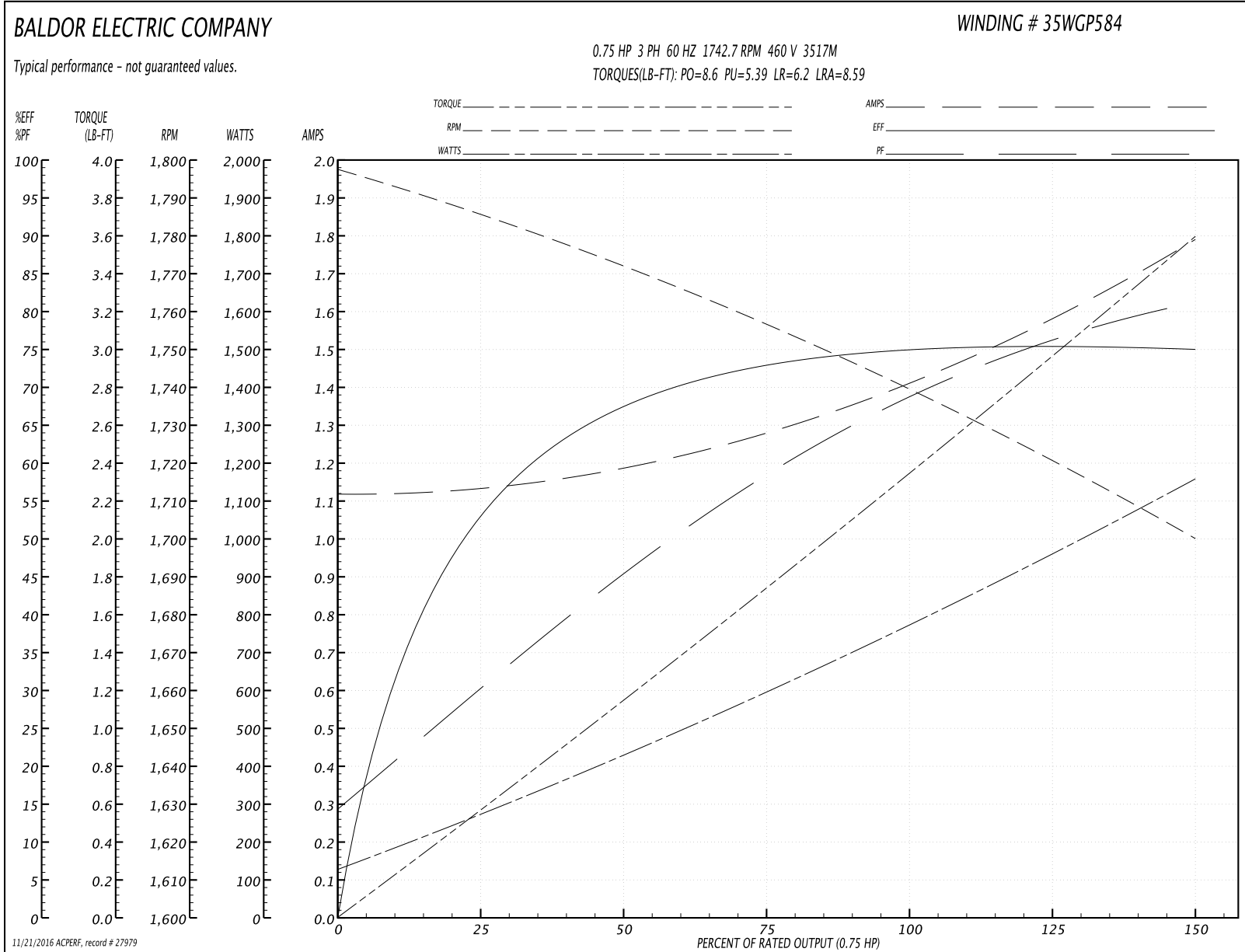
Winding: 35WGP584-R001	Type: 3517M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	.75/.33			Full Load Torque	2.25 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	1.39/.84			Breakdown Torque	8.6 LB-FT
R.P.M.	1740/1165			Pull-up Torque	5.39 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	6.2 LB-FT
NEMA Design Code	-	KVA Code	L	Starting Current	8.59 A
Service Factor (S.F.)	1.25			No-load Current	1.12 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	30.8 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	55°C
S.F. Amps				Temp. Rise @ S.F. Load	67°C

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	45	57	67	75	82	75
Efficiency	51.6	67	72.7	75	75.7	74.8	75.7
Speed	1786.2	1772.3	1758	1742.7	1724.6	1699.6	1725
Line amperes	1.13	1.18	1.27	1.39	1.55	1.79	1.55

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 27980 - Typical performance - not guaranteed values

Winding: 35WGP584-R001	Type: 3517M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	.75/.33			Full Load Torque	1.48 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	1.39/.84			Breakdown Torque	5.09 LB-FT
R.P.M.	1740/1165			Pull-up Torque	3.05 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	3.3 LB-FT
NEMA Design Code	-	KVA Code	K	Starting Current	3.65 A
Service Factor (S.F.)	1.25			No-load Current	0.758 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	86.4 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	50°C
S.F. Amps				Temp. Rise @ S.F. Load	58°C

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	39	49	58	66	74	66
Efficiency	35.8	51	59.2	63.2	65.2	65.4	65.2
Speed	1191.5	1183.3	1174.5	1164.5	1152.4	1136.5	1152
Line amperes	0.756	0.769	0.795	0.839	0.895	0.986	0.895

Performance Graph at 460V, 60Hz, 0.33HP Typical performance - Not guaranteed values

