

BALDOR® • RELIANCE

Product Information Packet

VEL11307

.75HP,1750RPM,1PH,60HZ,56C,3524LC,OPEN,F

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524LC	Elec. Spec:	35WGS679	CD Diagram:	CD0055
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	35E4016	Layout:	35LYE4016
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	03-05-2015
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	07-28-2016
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3155L

CAT.NO.	VEL11307											
SPEC.	35E4016S679G1											
HP	.75											
VOLTS	115/230											
AMP	7/3.5											
RPM	1750											
FRAME	56C				HZ		60			PH		1
SER.F.	1.25		CODE		M	DES		N	CL		B	
F.L. AVG. EFF.	81.8			PF		90						
RATING	40C AMB-CONT											
CC				USABLE AT 208V								
DE	6205				ODE		6203					
ENCL	OPEN		SN									
	SFA 8.4/4.2											

Parts List		
Part Number	Description	Quantity
SA294858	SA 35E4016S679G1	1.000 EA
RA280934	RA 35E4016S679G1	1.000 EA
OC3035F09SP	CYL OIL CAP 35MFD/370V	1.000 EA
EC1540A04	ELEC CAP, 540-648 MFD, 125V, 1.81D X 4.	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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB3801	CAPACITOR COVER, CAST	1.000 EA
HA7010	CAPACITOR RETENTION CLAMP	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
35EP3201A16	FR ENDPLATE, MACH	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35EP3400A13	STD FACE MTD END PLATE OPEN NEMA 56C 05	1.000 EA
35AD2000	AIR BAFFLE	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
35FH4006A01SP	DRIP COVER,STAMPED,W/ PRIMER	1.000 EA
51XN0832A07	08-32 #10 & SMALLER HEX. WASHER HEAD, SL	3.000 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

Parts List (continued)		
Part Number	Description	Quantity
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
NP3155L	ALUM SUPER-E UL CSA CC "SEMS"	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA

AC Induction Motor Performance Data

Record # 49400 - Typical performance - not guaranteed values

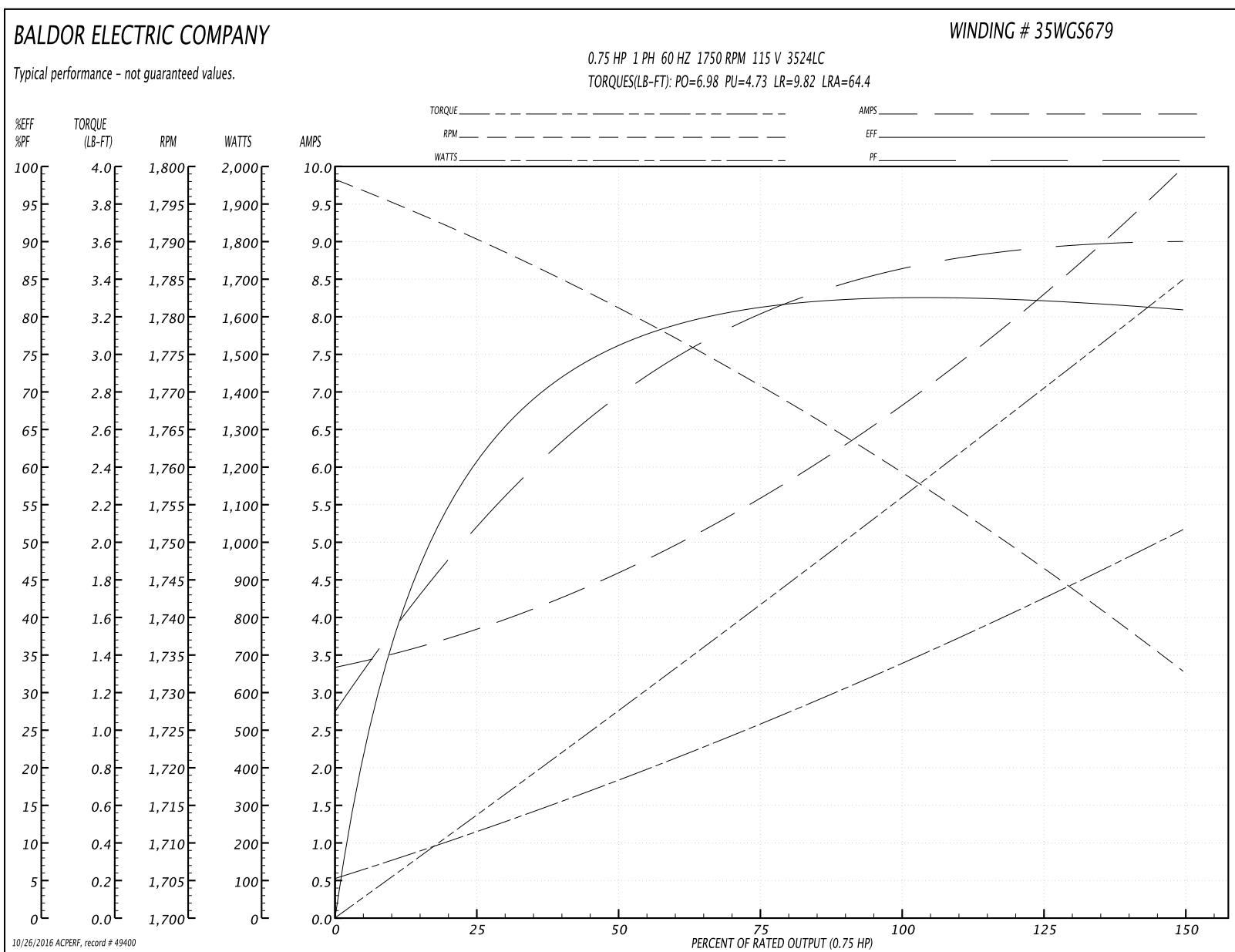
Winding: 35WGS679-R007	Type: 3524LC	Enclosure: OPEN
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.24 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	7/3.5			Breakdown Torque	6.98 LB-FT
R.P.M.	1750			Pull-up Torque	4.73 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	9.82 LB-FT
NEMA Design Code	N	KVA Code	M	Starting Current	64.4 A
Service Factor (S.F.)	1.25			No-load Current	3.41 A
NEMA Nom. Eff.	81.8	Power Factor	90	Line-line Res. @ 25°C	0.75721 Ω A Ph 2.4218 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	20°C
S.F. Amps	8.4/4.2			Temp. Rise @ S.F. Load	25°C

Load Characteristics 115 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	71	80	85	89	91	89
Efficiency	61.6	75.9	81.3	82.5	82.6	80.9	82.6
Speed	1791	1781	1770.4	1759.3	1747.4	1732.5	1747
Line amperes	3.76	4.52	5.6	6.91	8.28	9.95	8.28

Performance Graph at 115V, 60Hz, 0.75HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 49401 - Typical performance - not guaranteed values

Winding: 35WGS679-R007	Type: 3524LC	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.24 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	7/3.5			Breakdown Torque	6.98 LB-FT
R.P.M.	1750			Pull-up Torque	3.87 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	8.02 LB-FT
NEMA Design Code	N	KVA Code	M	Starting Current	31.02 A
Service Factor (S.F.)	1.25			No-load Current	1.72 A
NEMA Nom. Eff.	81.8	Power Factor	90	Line-line Res. @ 25°C	3.12 Ω A Ph 2.3 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	21°C
S.F. Amps	8.4/4.2			Temp. Rise @ S.F. Load	26°C
				Rotor inertia	0.142 LB-FT ²

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	54	71	80	85	89	90	89
Efficiency	60.5	74.6	80.3	81.9	82.1	80.5	82.1
Speed	1791	1781	1770	1759	1747	1733	1747
Line amperes	1.9	2.28	2.82	3.48	4.16	5	4.16

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values

