

BALDOR® • RELIANCE

Product Information Packet

VEL11304

.5HP,1725RPM,1PH,60HZ,56C,3424LC,OPEN,F1

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3424LC	Elec. Spec:	34WGR141	CD Diagram:	CD0055
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34F534	Layout:	34LYF534
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	10-08-2014
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	01-19-2015
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3155L

CAT.NO.	VEL11304									
SPEC.	34F534R141G1									
HP	.5									
VOLTS	115/230									
AMP	4.7/2.35									
RPM	1725									
FRAME	56C				HZ	60			PH	1
SER.F.	1.25		CODE	K	DES	N	CL	B		
F.L. AVG. EFF.	76.2		PF	98						
RATING	40C AMB-CONT									
CC			USABLE AT 208V							3.2
DE	6203			ODE	6203					
ENCL	OPEN		SN							
	SFA 5.9/2.95									

Parts List		
Part Number	Description	Quantity
SA288192	SA 34F534R141G1	1.000 EA
RA274390	RA 34F534R141G1	1.000 EA
OC3030F11SP	CYL OIL CAP 30MFD/370V	1.000 EA
EC1324A02	ELEC CAP, 324-389 MFD, 125V, 1.48D X 3.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA 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
34EP3210A03SP	FR ENDPLATE, MACH	1.000 EA
SP1006A01	TERM. BOARD, MODE 35 SW X H-23655	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
34CB3801	CAPACITOR BOX, DIE CAST	1.000 EA
34GS5003A01	FOAM SLEEVE, ID = 2 1/16" X 4 3/8"	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
51XB1214A08	12-14 X 1/2HX WS SL SR TYBX	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3401A01SP	PU ENDPLATE, MACH	1.000 EA
34AD2000	BAFFLE PLATE, STAMPED	1.000 EA
51XT0632A06	6-32X3/8 TY23 HXWS SLDSR	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34FH4000A11	DRIP COVER, STAMPED,PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
SP5051A03	MODEL 35 TORQ STATIONARY SWITCH LEAD ASS	1.000 EA
HA3100A17	THRUBOLT 10-32 X 9.000	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP3155L	ALUM SUPER-E UL CSA CC "SEMS"	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

AC Induction Motor Performance Data

Record # 47421 - Typical performance - not guaranteed values

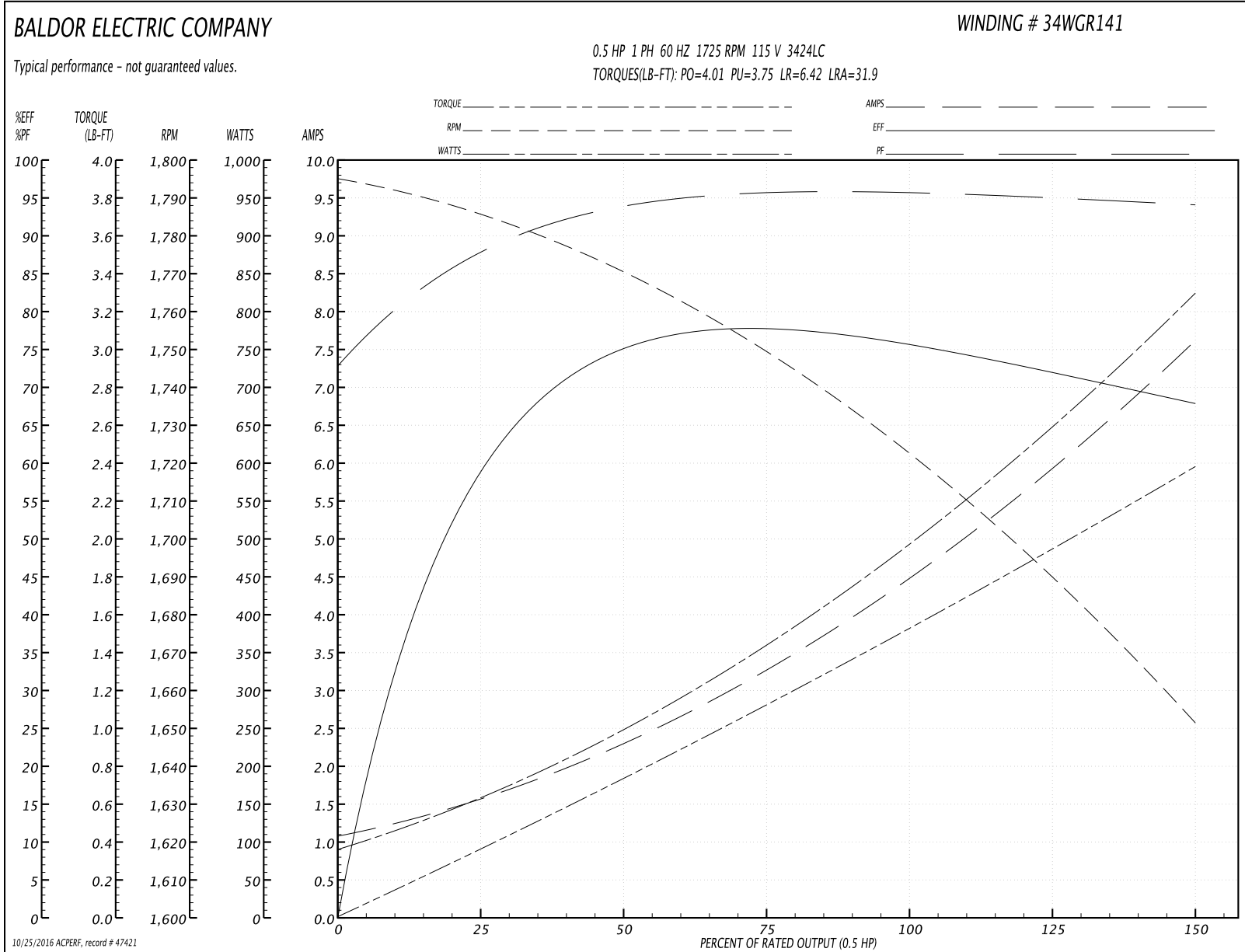
Winding: 34WGR141-R002	Type: 3424LC	Enclosure: OPEN
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.51 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	4.7/2.35			Breakdown Torque	4.01 LB-FT
R.P.M.	1725			Pull-up Torque	3.75 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	6.42 LB-FT
NEMA Design Code	N	KVA Code	K	Starting Current	31.9 A
Service Factor (S.F.)	1.25			No-load Current	1.06 A
NEMA Nom. Eff.	76.2	Power Factor	98	Line-line Res. @ 25°C	1.6786 Ω A Ph 2.0496 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	37°C
S.F. Amps	5.9/2.95			Temp. Rise @ S.F. Load	55°C

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	89	94	95	95	95	94	95
Efficiency	59.9	73	76.8	76.6	73.3	67.1	73.3
Speed	1782.8	1767.7	1748.6	1726.8	1694.2	1648.1	1694
Line amperes	1.56	2.34	3.34	4.39	5.8	7.69	5.8

Performance Graph at 115V, 60Hz, 0.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 49328 - Typical performance - not guaranteed values

Winding: 34WGR141-R002	Type: 3424LC	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.51 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	4.7/2.35			Breakdown Torque	4.01 LB-FT
R.P.M.	1725			Pull-up Torque	2.84 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	4.87 LB-FT
NEMA Design Code	N	KVA Code	K	Starting Current	14.97 A
Service Factor (S.F.)	1.25			No-load Current	0.571 A
NEMA Nom. Eff.	76.2	Power Factor	98	Line-line Res. @ 25°C	6.38 Ω A Ph 2.09 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	40°C
S.F. Amps	5.9/2.95			Temp. Rise @ S.F. Load	53°C
				Rotor inertia	0.057 LB-FT ²

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	89	93	95	96	95	94	95
Efficiency	57.8	71.3	75.5	75.6	72.6	66.9	72.6
Speed	1783	1768	1749	1727	1694	1648	1694
Line amperes	0.809	1.2	1.7	2.22	2.93	3.87	2.93

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values

