

BALDOR® • RELIANCE

Product Information Packet

CDPWD3440

.75HP,1750RPM,DC,56C,3428P,TEFC,F1

Part Detail							
Revision:	AE	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	34WG3662	CD Diagram:	CD0194
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34-6418	Layout:	34LY6418
Frame:	56C	Mounting:	F1	Poles:	///	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-03-2014
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1509				
CAT.NO.	CDPWD3440			
SPEC.	34-6418-3662			
HP	.75	ENCL	TEFC	
RPM	1750			
FRAME	56C	TYPE	3428P	
ARM V	90	ARM A	7.6	
FLD V		FLD A		
INSUL	F	AMB.	40	
DUTY	CONT	SUPPLY	1.5	
BRG/DE	6203	BRG/ODE	6203	
BRUSHES	2/BP5000BK08			
		BLANK		
SER.				
BLANK				
APRV-CSA		APRV-UL		APRV-CE

Parts List		
Part Number	Description	Quantity
SA005384	SA 34-6418-3662	1.000 EA
AA003033	AA 34-6418-3662	1.000 EA
BP5000BK08SP	CARBON BRUSH - GRADE SA-35	1.000 EA
HA3210B66	.125 DIA X .281 (AUTO)	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
34EP3103B50W	FR EP MACH 34PM TEFC W/NPT LH, SPL DRN L	1.000 EA
51XB1016A06	10-16X3/8 HXWSSLD SERTYB	3.000 EA
WD4100A17	PLUG STIMPSON D4036	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3300A41W	PU ENDPLATE 56C 34-ENCL FOR WASHDOWN DC	1.000 EA
19XA1016S06	10-16X 3/8" TYPE AB SS X	3.000 EA
11XN1032S22	10-32 X 1-3/8 HEX WASHER HEAD, SLOTTED	2.000 EA
BP5201A17	BRUSH HOLDER - WITHOUT CAP & CONN.	2.000 EA
80XN1032A03	10-32 X 3/16 SET SCREW	2.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH5002A01SP	FAN COVER ASSY W/SHAFT COVER	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
34CB4504W	CON.BOX LID W/WHITE POWDER COAT	1.000 EA
34GS1011A03	GASKET, CONDUIT BOX LID (.062 WHITE)	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	2.000 EA
HW4600B39SP	SEAL 0.550 X .790 X .180 FACE SEALING	1.000 EA
HW4600B39SP	SEAL 0.550 X .790 X .180 FACE SEALING	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HW2502D13	SS 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
BP4543A01	BRUSH HOLDER CAP, AE-74-SO W/O'RING	2.000 EA
BP3000A02SP	AMP LEAD CLIP #60812-2 SPL	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
HW4600A54	SEAL 0.668 X 1.064 X 0.250 DOUBLE SHIELD	1.000 EA
HW4600A54	SEAL 0.668 X 1.064 X 0.250 DOUBLE SHIELD	1.000 EA
WD4102A01	SR-6L-1 HEYCO STRN RELIEF OR 23MPO6L10 M	1.000 EA
MG1025W01	RAL9003, SIGNAL WHITE, GLOSS 85	0.014 GA
MJ5001A27	32220KN GRAY SEALER	0.001 QT
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.001 EA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
ML14A1B14	14 AWG,A1,BLACK	8.500 IN
ML14A2B14	14 AWG,A2,BLACK	8.500 IN
HA3100S12	THRUBOLT 7.625 LENGTH 1.250 TH LENGTH SS	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0194	CONNECTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
NP1509	DC, WD, UL CE CSA, W/O THERMAL	1.000 EA
27PA1001	PACKAGING GROUP	1.000 EA

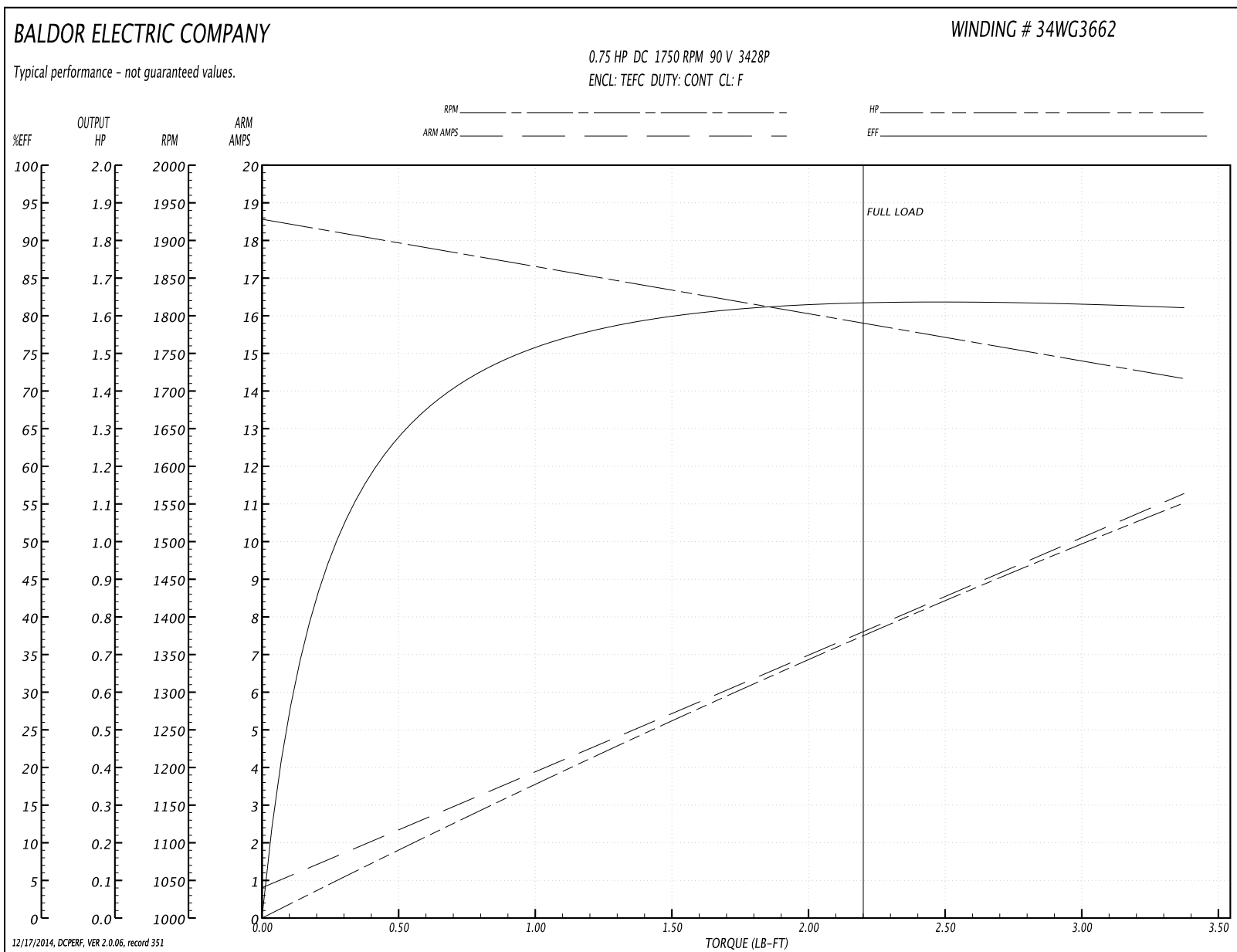
Performance Data at 90.0 Arm V, 0.75HP (Typical performance - Not guaranteed values)**General Characteristics**

Armature Resistance:	0.746 ohms	Commutating Winding Resistance:	
Series Winding Resistance:		Shunt Winding Resistance:	
Armature Inductance:	7.098 mH	Armature Inertia:	
Maximum Rated RPM With Field Weakening:		Maximum Allowable Inrush Amps:	

Load Characteristics

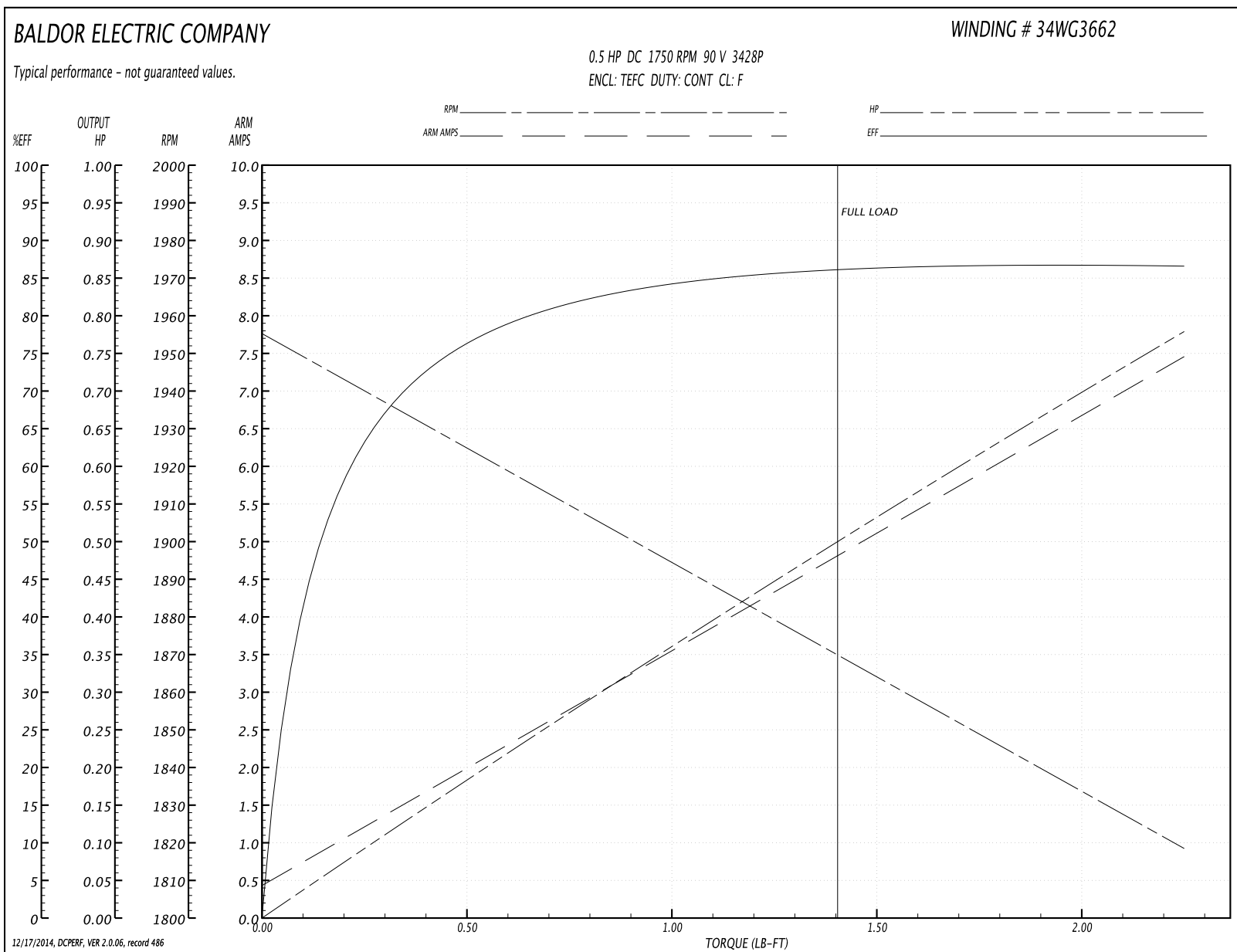
Load Point	1	2	3	4	5	6	7
Armature Amps:	0.9	2.1	4.5	5.8	7.7	9.7	11.3
RPM:	1935.0	1909.0	1847.0	1810.0	1777.0	1758.0	1724.0
Torque (LB-FT):	0.0	0.5	1.125	1.625	2.25	2.875	3.375

Performance Graph at 90.0 Arm V, 0.75HP Typical performance - Not guaranteed values



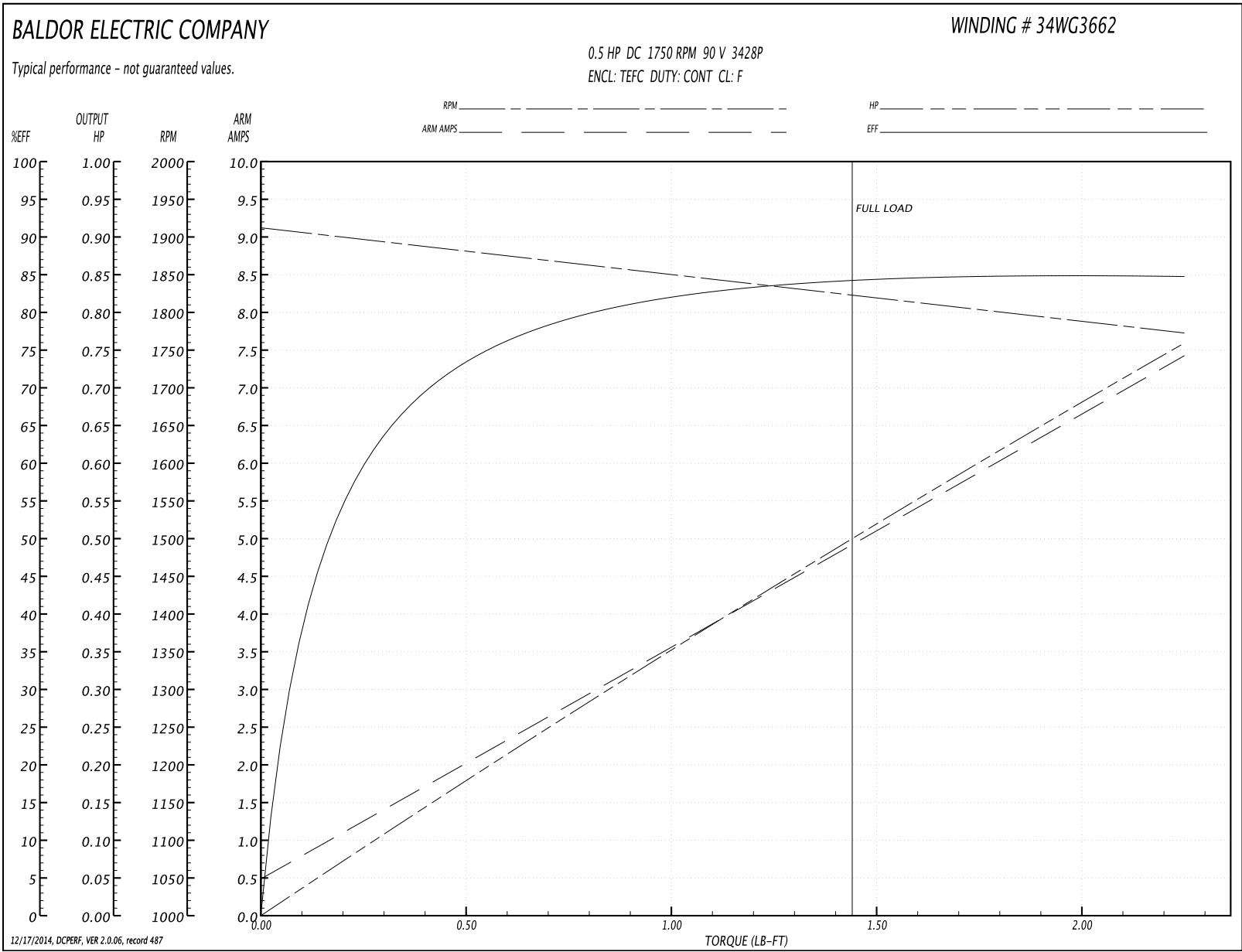
Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:	0.7544 ohms			Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
Armature Inductance:				Armature Inertia:			
Maximum Rated RPM With Field Weakening:				Maximum Allowable Inrush Amps:			
Load Characteristics							
Load Point	1	2	3	4	5	6	7
Armature Amps:	0.48	1.57	2.7	3.94	5.19	6.3	7.42
RPM:	1947.0	1940.0	1920.0	1880.0	1862.0	1836.0	1823.0
Torque (LB-FT):	0.0	0.375	0.75	1.125	1.5	1.875	2.25

Performance Graph at 90.0 Arm V, 0.5HP Typical performance - Not guaranteed values



Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:	0.7568 ohms			Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
Armature Inductance:				Armature Inertia:			
Maximum Rated RPM With Field Weakening:				Maximum Allowable Inrush Amps:			
Load Characteristics							
Load Point	1	2	3	4	5	6	7
Armature Amps:	0.5	1.64	2.77	3.92	5.16	6.25	7.42
RPM:	1914.0	1890.0	1869.0	1830.0	1822.0	1798.0	1774.0
Torque (LB-FT):	0.0	0.375	0.75	1.125	1.5	1.875	2.25

Performance Graph at 90.0 Arm V, 0.5HP Typical performance - Not guaranteed values



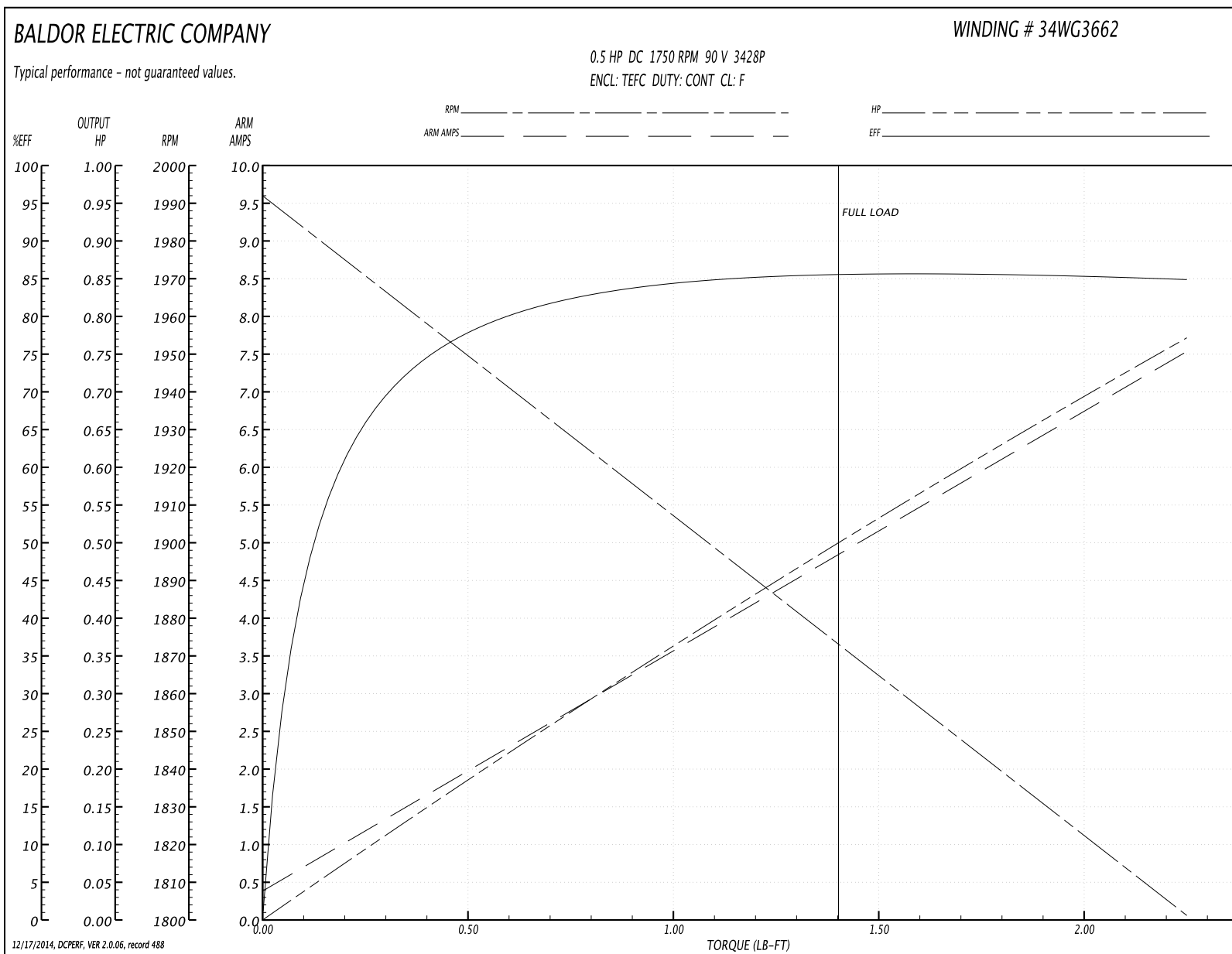
Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)**General Characteristics**

Armature Resistance:	0.7554 ohms	Commutating Winding Resistance:	
Series Winding Resistance:		Shunt Winding Resistance:	
Armature Inductance:		Armature Inertia:	
Maximum Rated RPM With Field Weakening:		Maximum Allowable Inrush Amps:	

Load Characteristics

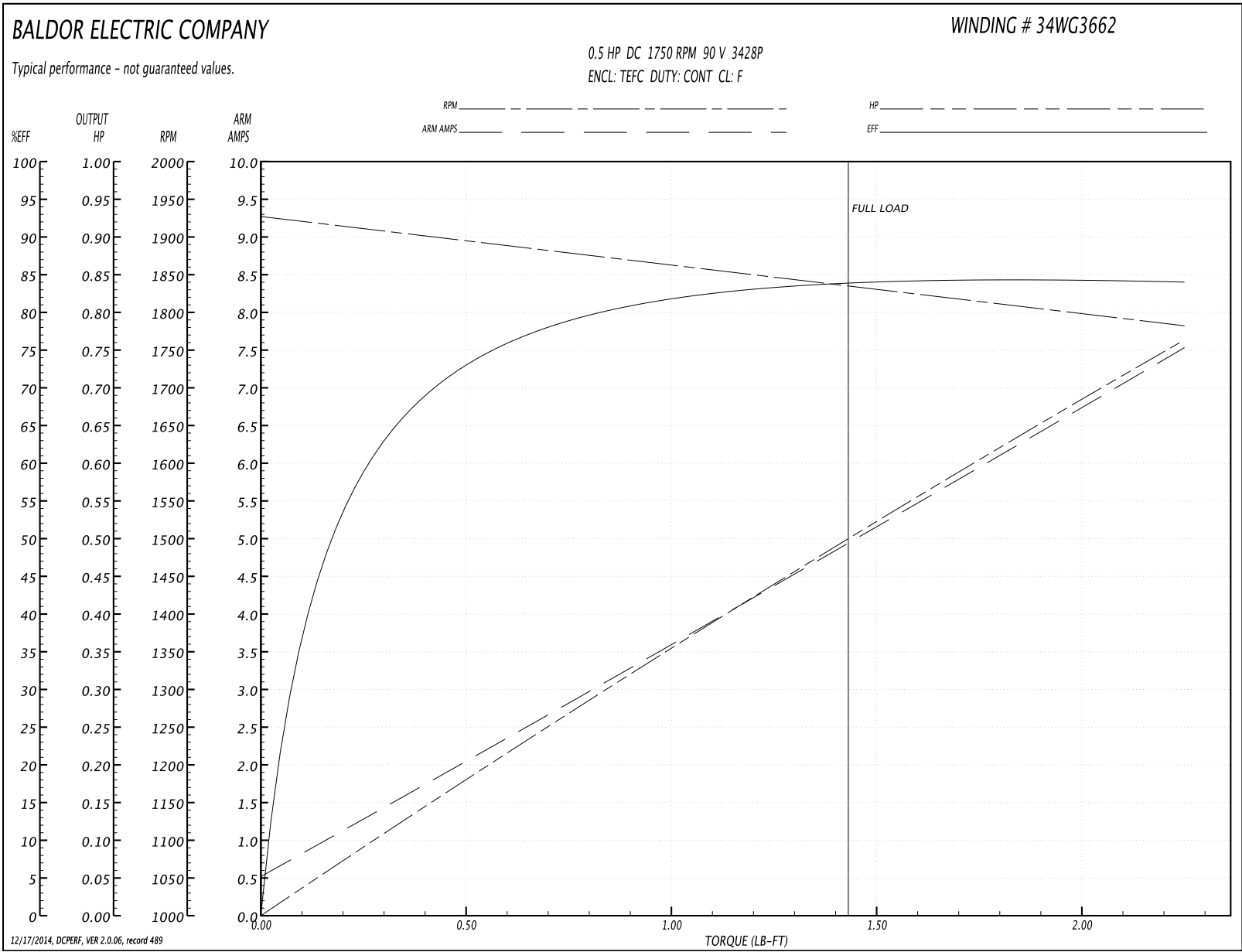
Load Point	1	2	3	4	5	6	7
Armature Amps:	0.42	1.52	2.77	4.01	5.14	6.35	7.53
RPM:	1998.0	1955.0	1926.0	1902.0	1855.0	1835.0	1805.0
Torque (LB-FT):	0.0	0.375	0.75	1.125	1.5	1.875	2.25

Performance Graph at 90.0 Arm V, 0.5HP Typical performance - Not guaranteed values



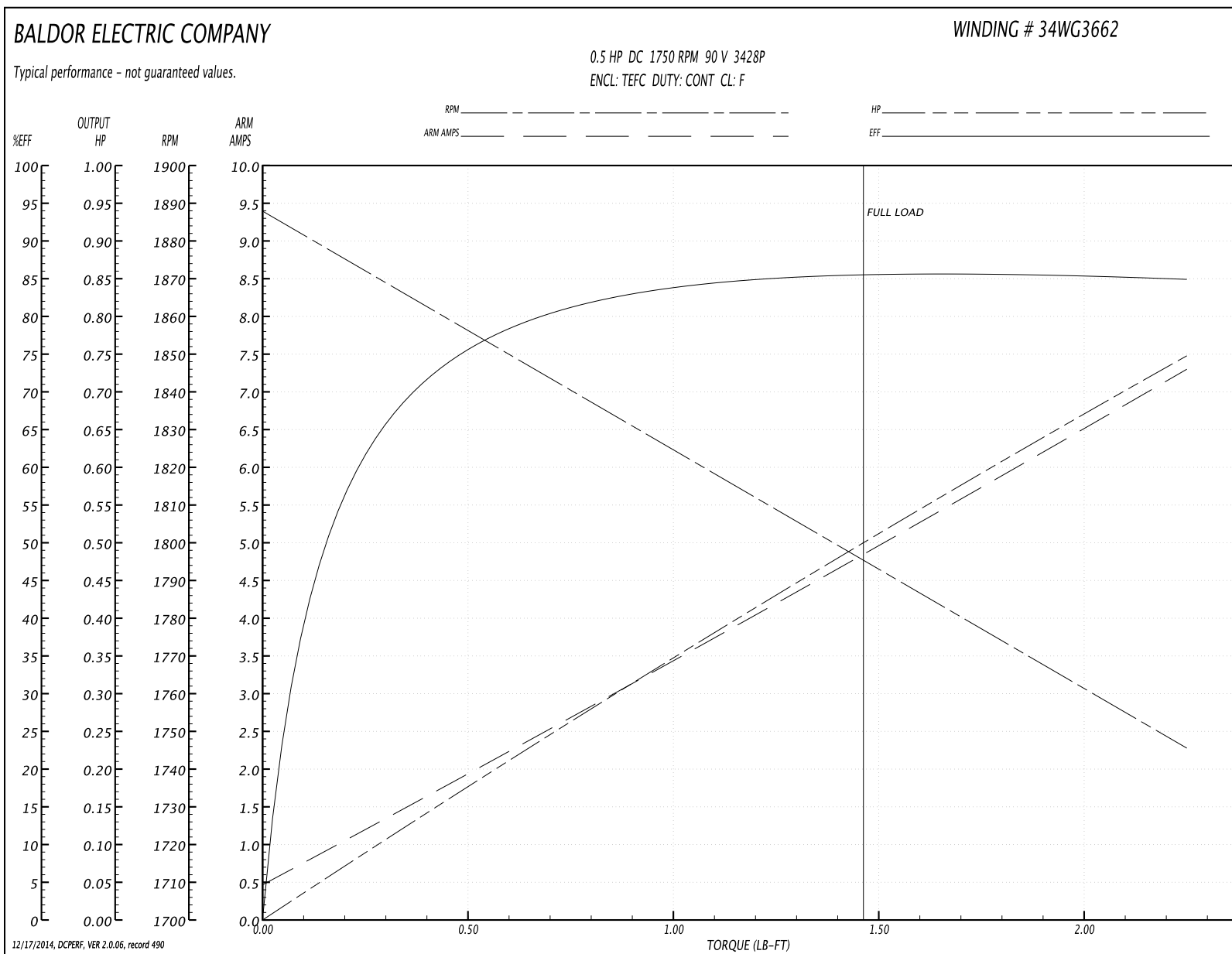
Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:		0.7525 ohms		Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
Armature Inductance:				Armature Inertia:			
Maximum Rated RPM With Field Weakening:				Maximum Allowable Inrush Amps:			
Load Characteristics							
Load Point	1	2	3	4	5	6	7
Armature Amps:	0.53	1.64	2.83	3.99	5.21	6.25	7.57
RPM:	1926.0	1909.0	1876.0	1847.0	1832.0	1815.0	1778.0
Torque (LB-FT):	0.0	0.375	0.75	1.125	1.5	1.875	2.25

Performance Graph at 90.0 Arm V, 0.5HP Typical performance - Not guaranteed values



Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:		0.7545 ohms		Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
Armature Inductance:				Armature Inertia:			
Maximum Rated RPM With Field Weakening:				Maximum Allowable Inrush Amps:			
Load Characteristics							
Load Point	1	2	3	4	5	6	7
Armature Amps:	0.48	1.53	2.71	3.85	4.92	6.12	7.31
RPM:	1881.0	1872.0	1838.0	1818.0	1795.0	1773.0	1740.0
Torque (LB-FT):	0.0	0.375	0.75	1.125	1.5	1.875	2.25

Performance Graph at 90.0 Arm V, 0.5HP Typical performance - Not guaranteed values



Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:		0.7601 ohms		Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
Armature Inductance:				Armature Inertia:			
Maximum Rated RPM With Field Weakening:				Maximum Allowable Inrush Amps:			
Load Characteristics							
Load Point	1	2	3	4	5	6	7
Armature Amps:	0.45	1.65	2.79	4.33	5.12	6.28	7.45
RPM:	1907.0	1902.0	1847.0	1829.0	1814.0	1783.0	1745.0
Torque (LB-FT):	0.0	0.375	0.75	1.125	1.5	1.875	2.25

Performance Graph at 90.0 Arm V, 0.5HP Typical performance - Not guaranteed values

