

BALDOR® • RELIANCE

Product Information Packet

CDP3440

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

Part Detail							
Revision:	AC	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	34WG3662	CD Diagram:	CD0194
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34-5990	Layout:	34LY5990
Frame:	56C	Mounting:	F1	Poles:	///	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-23-2013
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP0891L						
CAT.NO.	CDP3440					
SPEC.	34-5990-3662					
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		IP44		
SER.						
BLANK						
APRV-CE	Y	APRV-CSA		Y	APRV-UL	Y

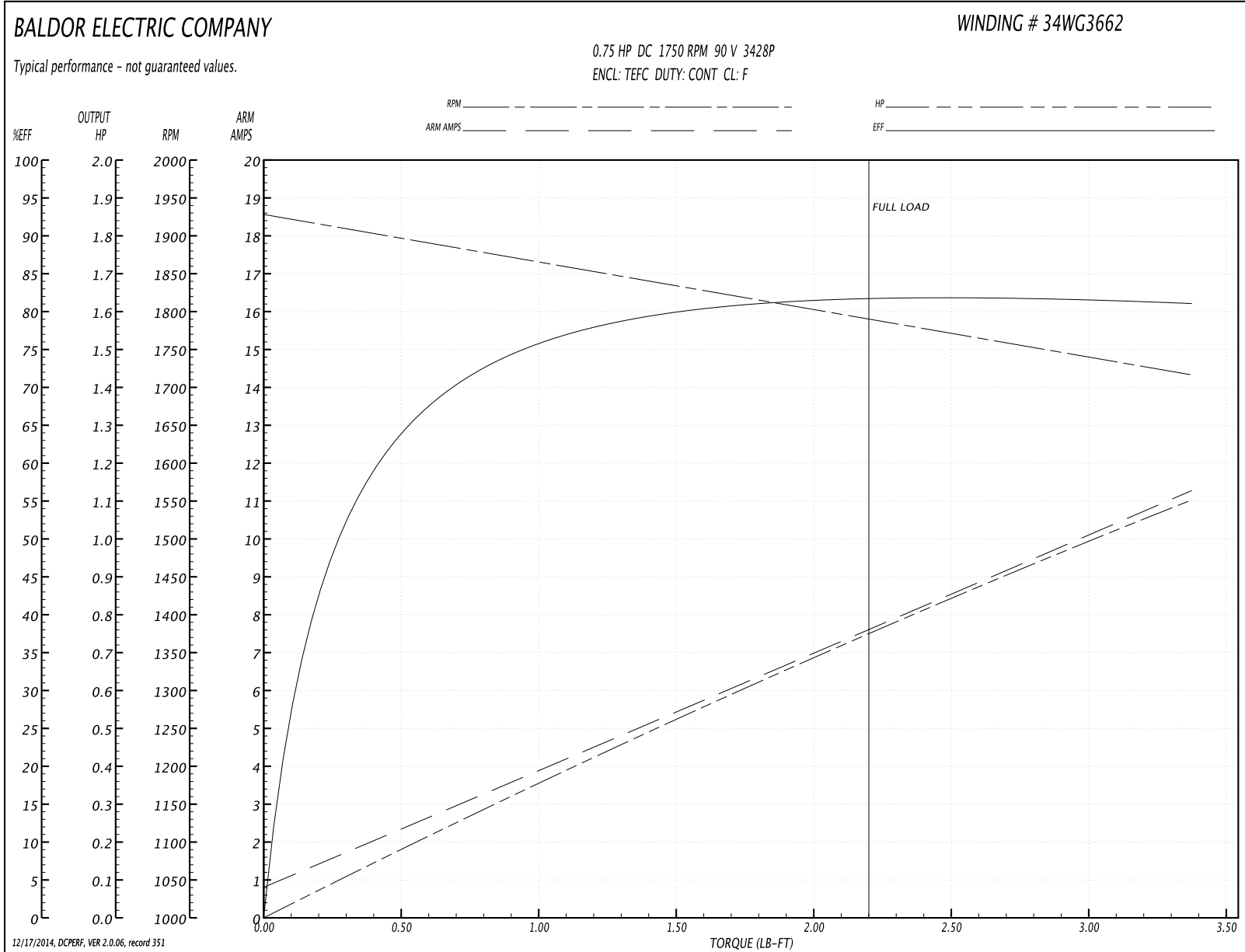
Parts List		
Part Number	Description	Quantity
SA005231	SA 34-5990-3662	1.000 EA
AA002880	AA 34-5990-3662	1.000 EA
BP5000BK08SP	CARBON BRUSH - GRADE SA-35	1.000 EA
HA3210B66	.125 DIA X .281 (AUTO)	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
34EP3103B01	FR ENDPLATE, MACH	1.000 EA
WD4100A17	PLUG STIMPSON D4036	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3300A29	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
BP5201A11SP	BRUSH HOLDER ASSY W/BP4511A01 & BP3000A0	1.000 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
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4102A01	SR-6L-1 HEYCO STRN RELIEF OR 23MPO6L10 M	1.000 EA
34CB4504SP	CONDUIT BOX LID, STAMPED	1.000 EA
34GS1011SP	GASKET, CONDUIT BOX LID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.014 GA
MJ5004A70	603 LOCTITE LOCC	0.001 EA

Parts List (continued)		
Part Number	Description	Quantity
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
HA3100A47	THRUBOLT 10-32 X 7.625	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0194	CONNECTION LABEL	1.000 EA
NP0891L	NP STD LASER ENGRAVED DC MTRS, UL CSA CE	1.000 EA
27PA1001	PACKAGING GROUP	1.000 EA

Accessories		
Part Number	Description	Multiplier
TK3400	TACHO MOUNTING KIT FOR TK3400	A8
TK3400-HPU	HPU10 MOUNTING KIT 34P/35P TEFC	

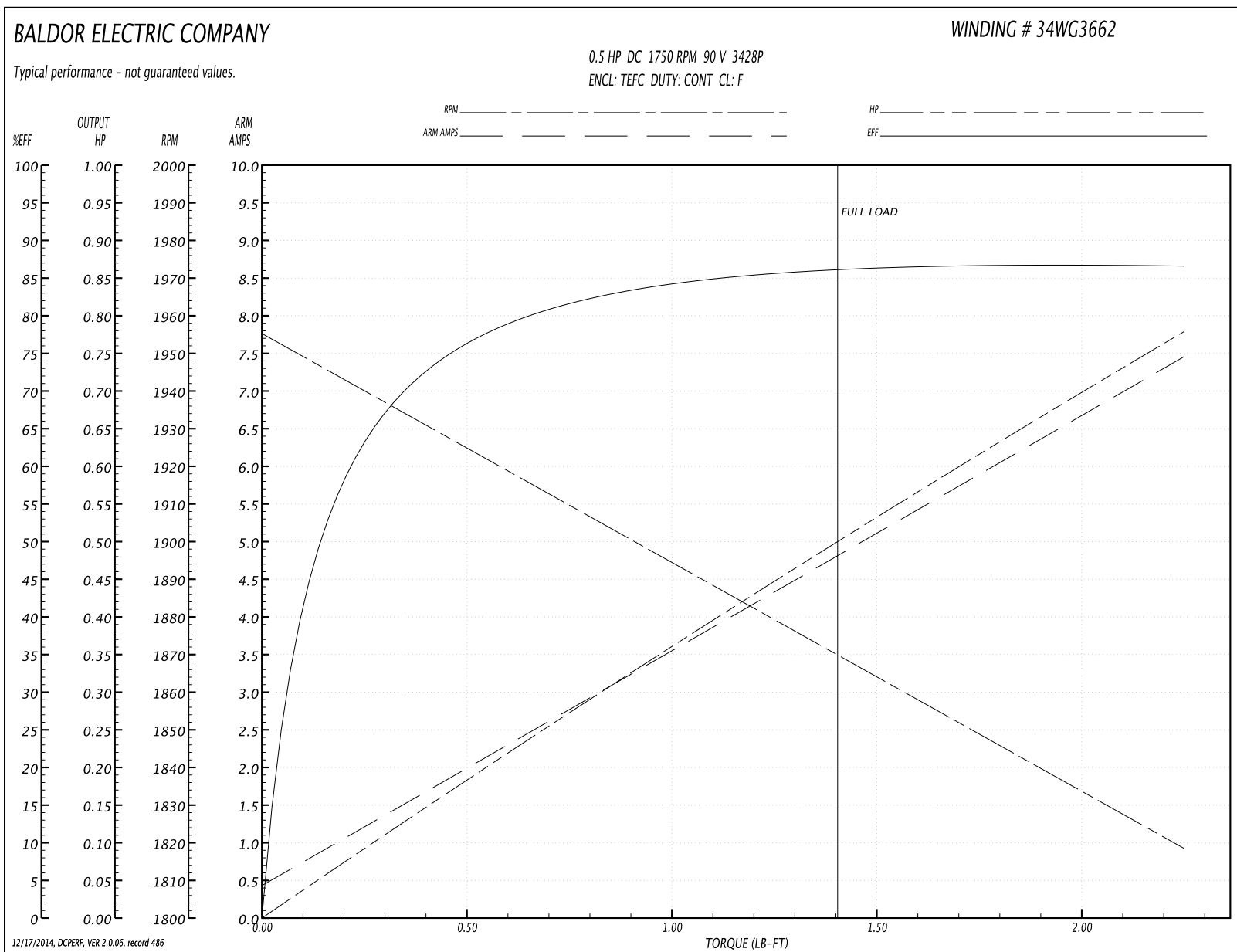
Performance Data at 90.0 Arm V, 0.75HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:		0.746 ohms		Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
Armature Inductance:		7.098 mH		Armature Inertia:			
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



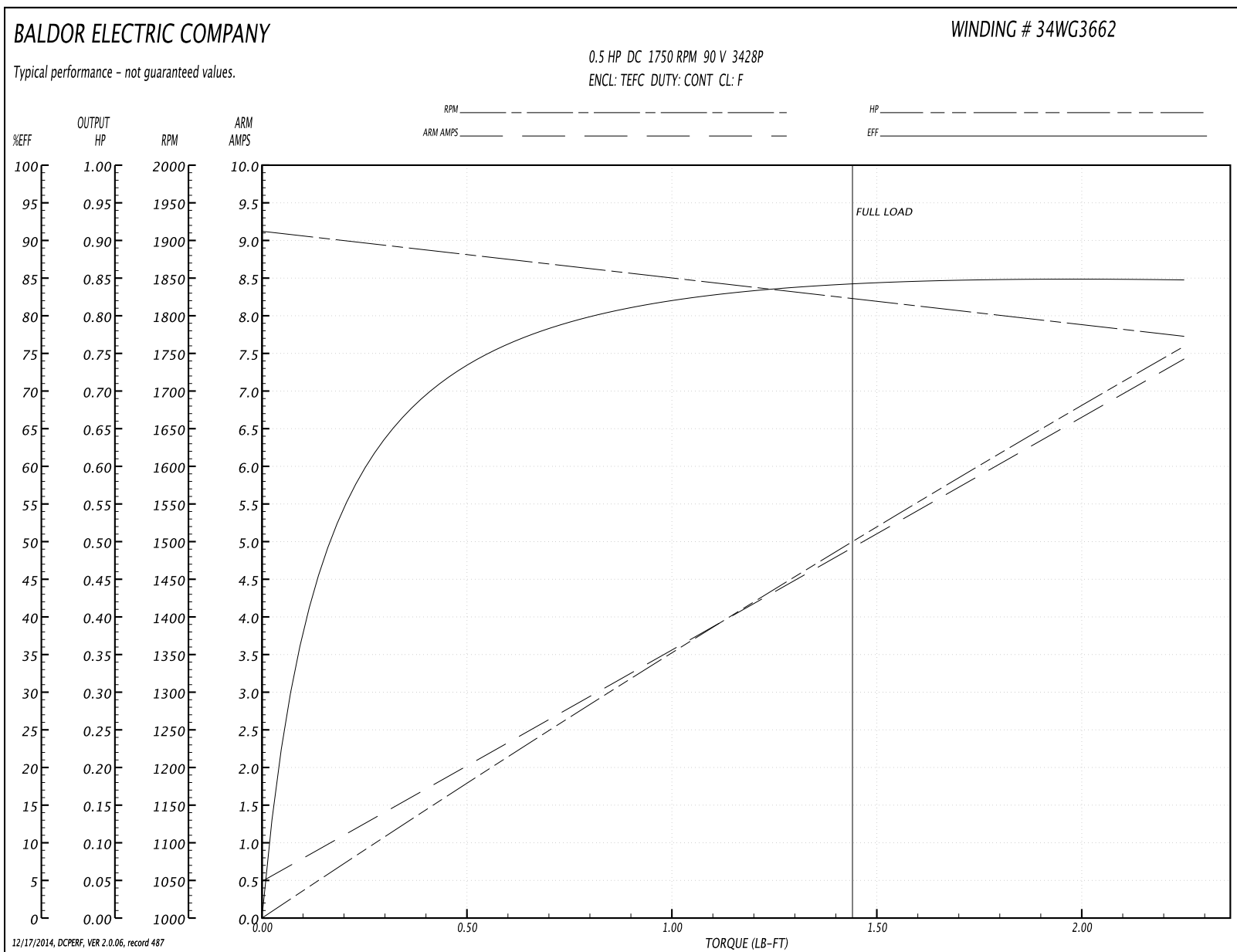
Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:	0.7544 ohms			Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
Armature Inductance:				Armature Inertia:			
Maximum 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



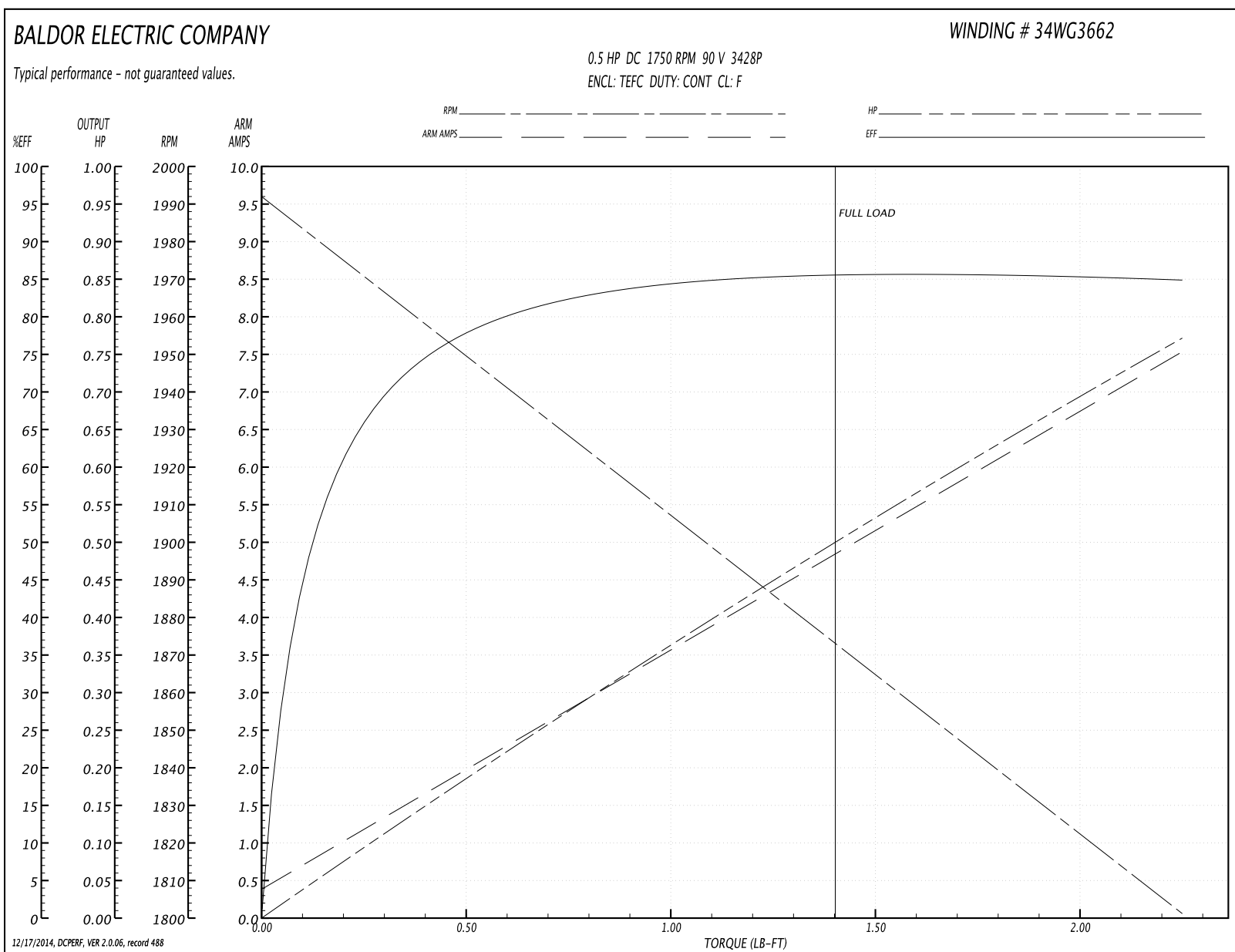
Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:	0.7568 ohms			Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
Armature Inductance:				Armature Inertia:			
Maximum 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



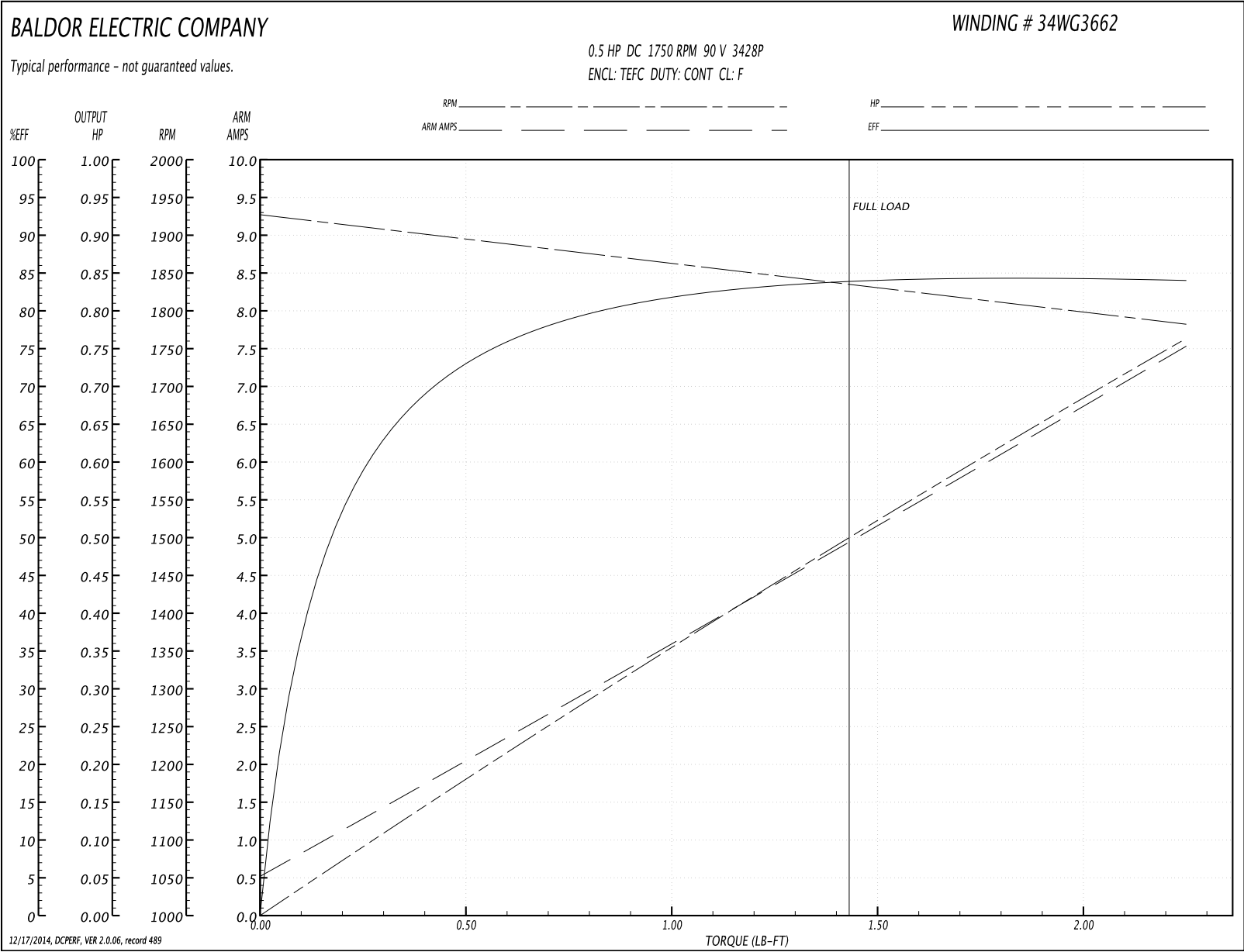
Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:	0.7554 ohms			Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
Armature Inductance:				Armature Inertia:			
Maximum 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



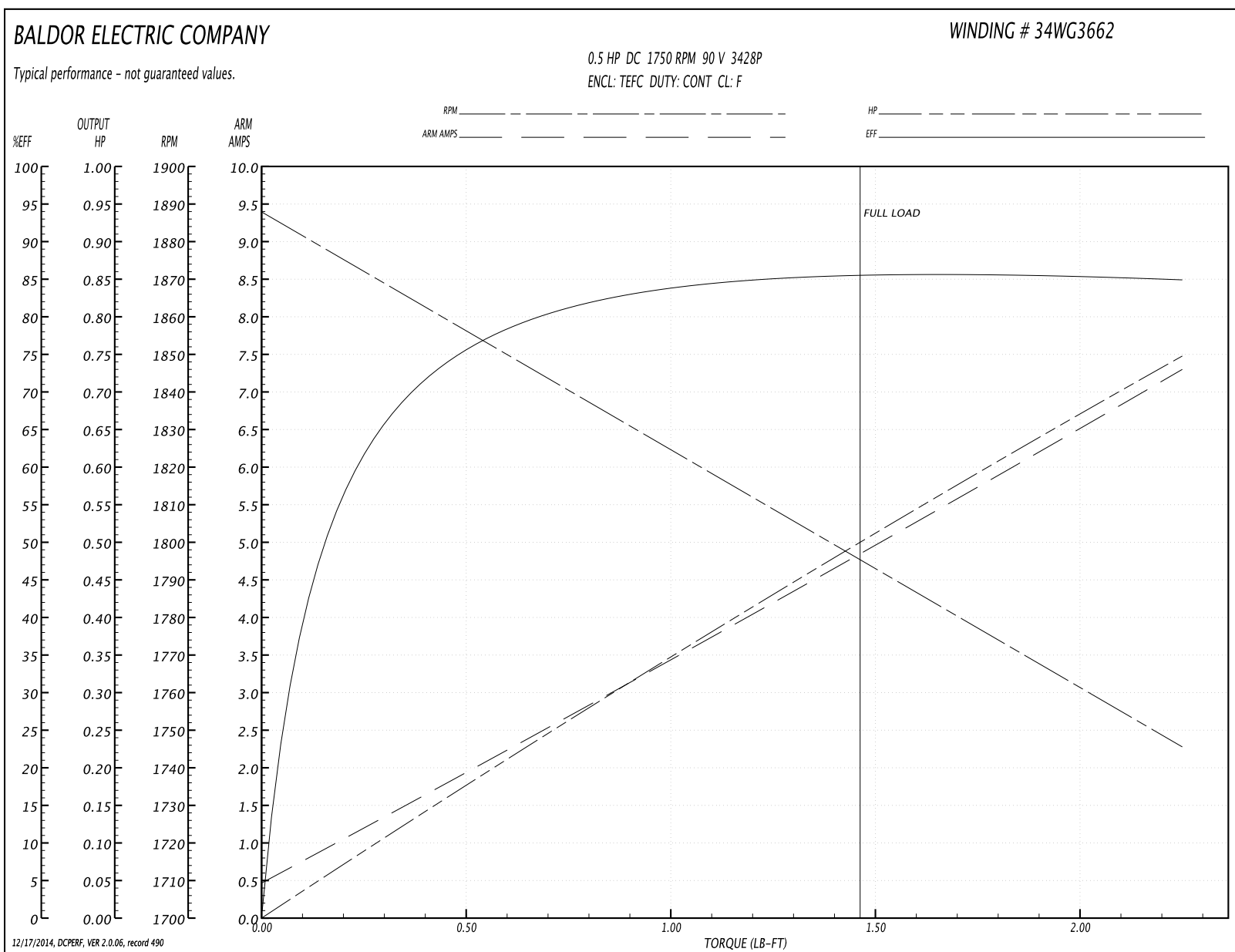
Performance Data at 90.0 Arm V, 0.5HP (Typical performance - Not guaranteed values)							
General Characteristics							
Armature Resistance:		0.7525 ohms		Commutating Winding Resistance:			
Series Winding Resistance:				Shunt Winding Resistance:			
Armature Inductance:				Armature Inertia:			
Maximum 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

