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Product Information Packet

10C162Y916G1

30HP, 1760//1475RPM, 3PH, 60//50HZ, 286TC, 10

Part Detail							
Revision:	F	Status:	INA/A	Change #:		Proprietary:	Yes
Type:	AC	Prod. Type:	1072M	Elec. Spec:	10WGY916	CD Diagram:	CD0382
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	10C162	Layout:	10LYC162
Frame:	286TC	Mounting:	F1	Poles:	04	Created Date:	05-17-2011
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-05-2013
Leads:	6#6					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2159L										
CAT.NO.				P/N	A25294-02		ENCLOSURE	TEFC		
SPEC.	10C162Y916G1	CC	010A	FRAME	286TC		S/N			
HP	30			CLASS	F	HZ	60//50			
RPM	1760//1475			PH	3	DES	A			
VOLT	200			KVA-CODE	G		ODE BRG	6309	DE BRG	6311
AMP	78//87			USABLE AT 208V						
RATING	40C AMB-CONT			GREASE	POLYREX EM					
NEMA-NOM-EFF	93.6	PF	88	SER.F.	1.15					
	NEMA MG-1 PT.5,IP54									
HTR-VOLTS				HTR-AMPS						

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AC Induction Motor Performance Data

Record # 34227 - Typical performance - not guaranteed values

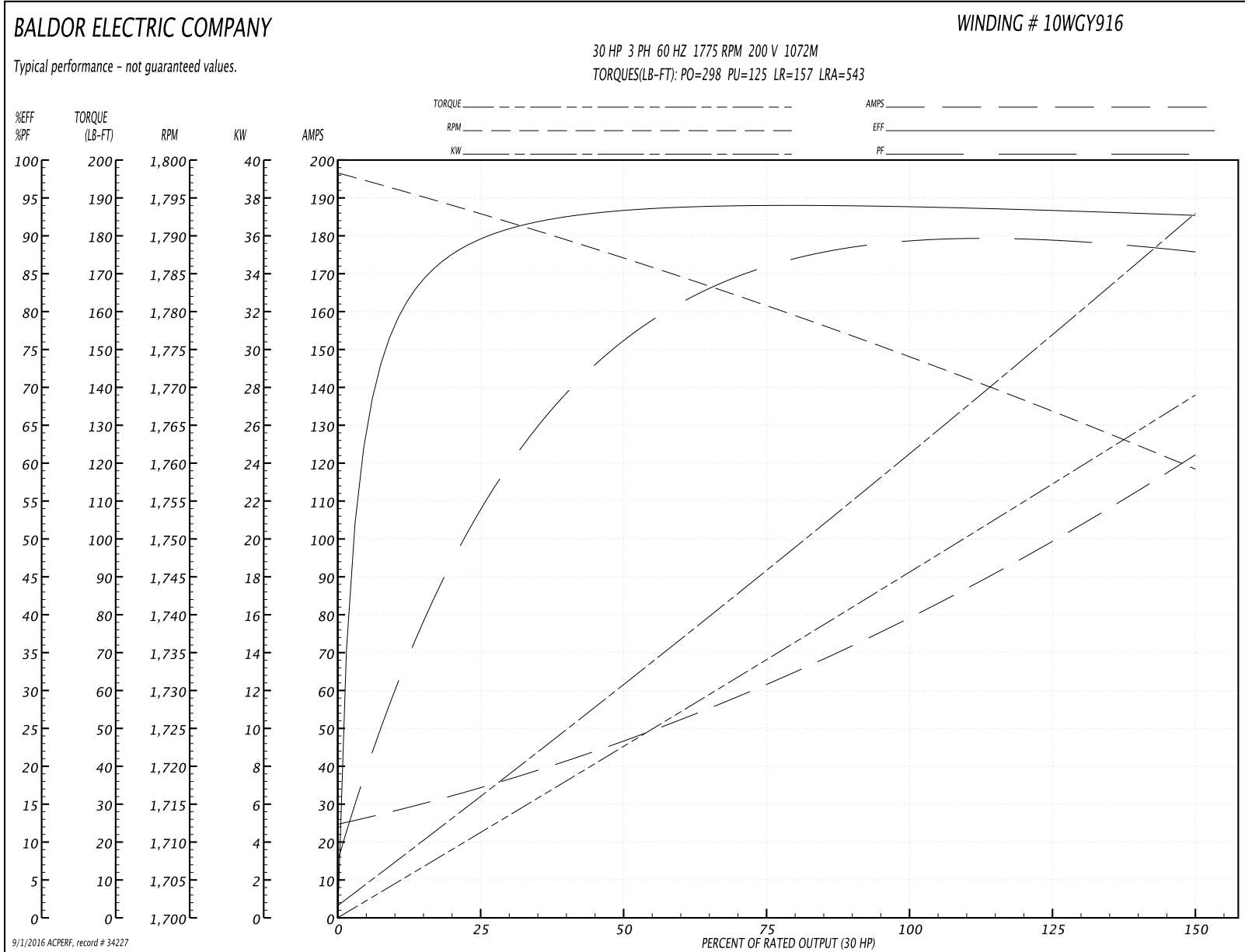
Winding: 10WGY916-R001	Type: 1072M	Enclosure: TEFC
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Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	30			Full Load Torque	88.8 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	78//87			Breakdown Torque	298 LB-FT
R.P.M.	1760//1475			Pull-up Torque	125 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	157 LB-FT
NEMA Design Code	A	KVA Code	G	Starting Current	543 A
Service Factor (S.F.)	1.15			No-load Current	26.4 A
NEMA Nom. Eff.	93.6	Power Factor	88	Line-line Res. @ 25°C	0.0362 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
S.F. Amps				Temp. Rise @ S.F. Load	72°C
				Rotor inertia	5.74 LB-FT ²

Load Characteristics 200 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	57	78	85	88	88	89	88
Efficiency	89.4	92.8	93.9	94	93.5	92.6	93.7
Speed	1792	1787	1782	1775	1768	1759	1771
Line amperes	32.1	44.6	60.9	78.1	97.5	121	89.7

Performance Graph at 200V, 60Hz, 30.0HP Typical performance - Not guaranteed values



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AC Induction Motor Performance Data

Record # 34228 - Typical performance - not guaranteed values

Winding: 10WGY916-R001	Type: 1072M	Enclosure: TEFC
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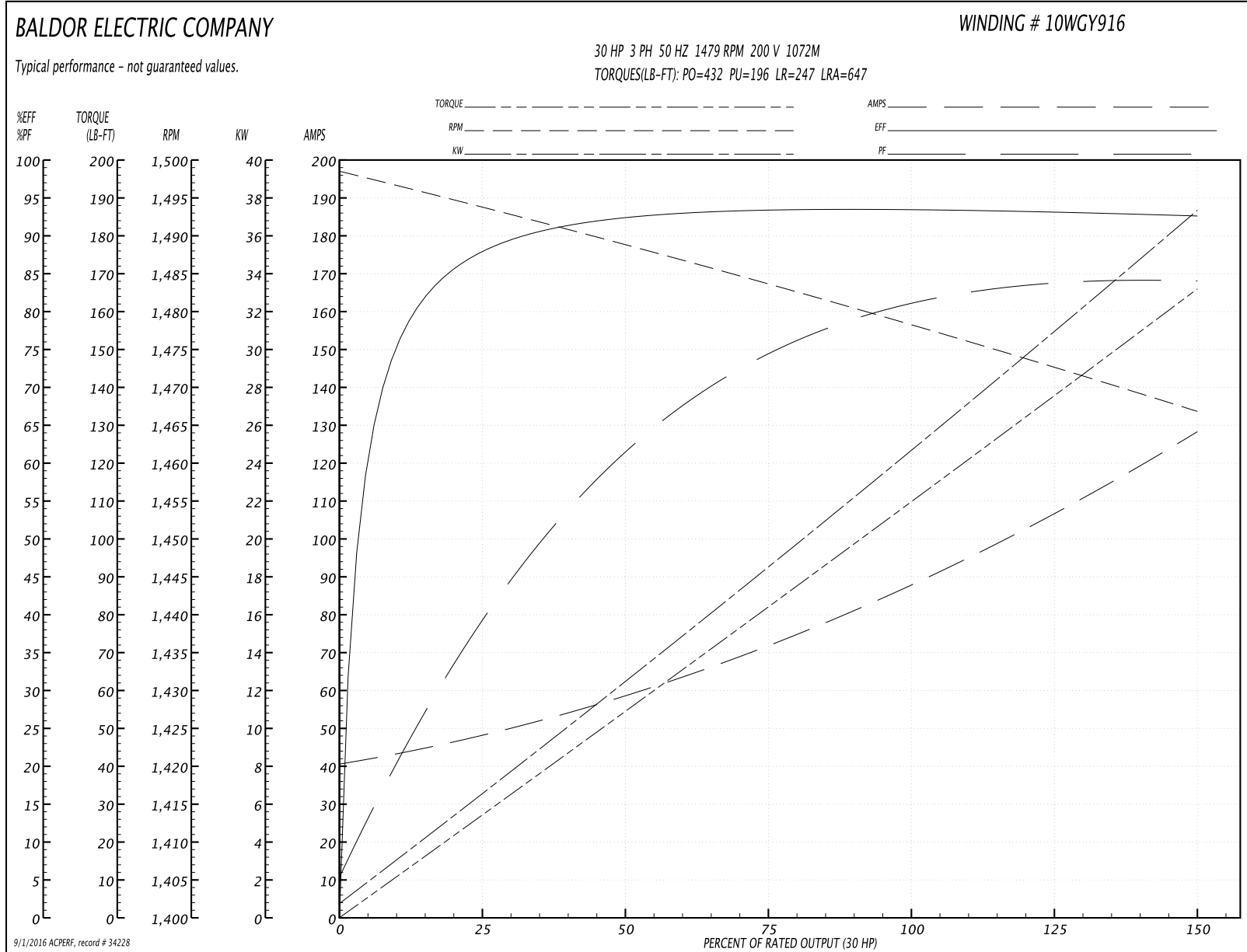
Nameplate Data				200 V, 50 Hz: Single Voltage Motor	
Rated Output (HP)	30			Full Load Torque	107 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	78//87			Breakdown Torque	432 LB-FT
R.P.M.	1760//1475			Pull-up Torque	196 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	247 LB-FT
NEMA Design Code	A	KVA Code	G	Starting Current	647 A
Service Factor (S.F.)	1.15			No-load Current	42.1 A
NEMA Nom. Eff.	93.6	Power Factor	88	Line-line Res. @ 25°C	0.0362 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	71°C
S.F. Amps				Temp. Rise @ S.F. Load	85°C
				Rotor inertia	5.74 LB-FT ²

Load Characteristics 200 V, 50 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	62	73	80	82	85	81
Efficiency	87.6	91.9	93.3	93.9	92.9	92.6	93.3
Speed	1493	1489	1485	1479	1473	1467	1475
Line amperes	46.3	56.5	71	86.6	105	127	97.6

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Performance Graph at 200V, 50Hz, 30.0HP Typical performance - Not guaranteed values



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