

BALDOR® • RELIANCE

Product Information Packet

M1212T

20/5HP,1760/880RPM,3PH,60HZ,256T,3936M,O

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Part Detail									
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3936M	Elec. Spec:	39WGW485	CD Diagram:			
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	39D101	Layout:			
Frame:	256T	Mounting:	F1	Poles:	04/08	Created Date:	05-08-2006		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	03-21-2012		
Leads:	6#12	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1256L									
CAT.NO.	M1212T								
SPEC.	39D101W485								
HP	20/5								
VOLTS	460								
AMP	26/11.5								
RPM	1760/880								
FRAME	256T	HZ	60	PH	3				
SER.F.	1.15	CODE	H	DES	B	CLASS	F		
NEMA-NOM-EFF		PF							
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6309	ODE	6208						
ENCL	OPSB	SN							

Parts List		
Part Number	Description	Quantity
SA142415	SA 39D101W485	1.000 EA
RA131715	RA 39D101W485	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
HA6016	ADAPTER, CAST CONDUIT BOX	1.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B17	KPA-8C BURNDY TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
39EP3200A01SP	FR/PU ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
39EP3201A13	PU ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.030 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA

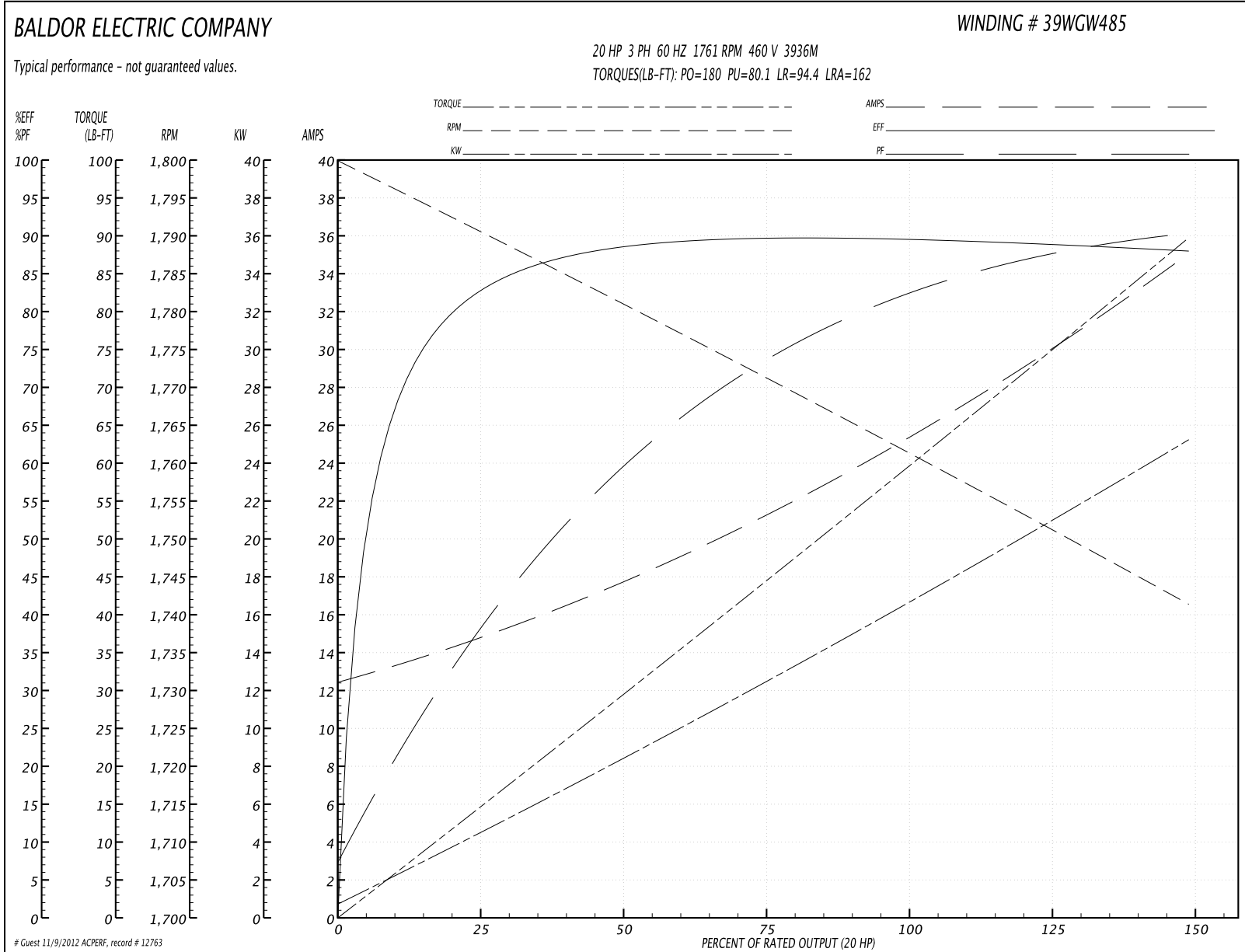
Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.050 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
HA3154A09	TB STUD 3/8-16 X 16.25	4.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125A01	STOCK MTR CARTON LABEL LASER PRINTER	4.000 EA
LC0032	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
39PA1000	PACKAGING GROUP 39 PRINT	1.000 EA

Accessories		
Part Number	Description	Multiplier
39-3400	C FACE KIT	A8

Performance Data at 460V, 60Hz, 20.0HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		59.8 LB-FT		Start Configuration:		DOL	
No-Load Current:		13.1 Amps		Break-Down Torque:		180.0 LB-FT	
Line-line Res. @ 25°C.:		0.635 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		80.1 LB-FT	
Temp. Rise @ Rated Load:		64 C		Locked-Rotor Torque:		94.4 LB-FT	
Temp. Rise @ S.F. Load:		78 C		Starting Current:		162.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	40.0	62.0	74.0	81.0	84.0	85.0	83.0
Efficiency:	83.0	88.7	89.8	89.6	88.6	88.1	89.0
Speed:	1791.0	1782.0	1771.0	1761.0	1749.0	1743.0	1754.0
Line Amperes:	14.3	17.1	21.1	25.9	31.4	34.0	29.2

Performance Graph at 460V, 60Hz, 20.0HP Typical performance - Not guaranteed values



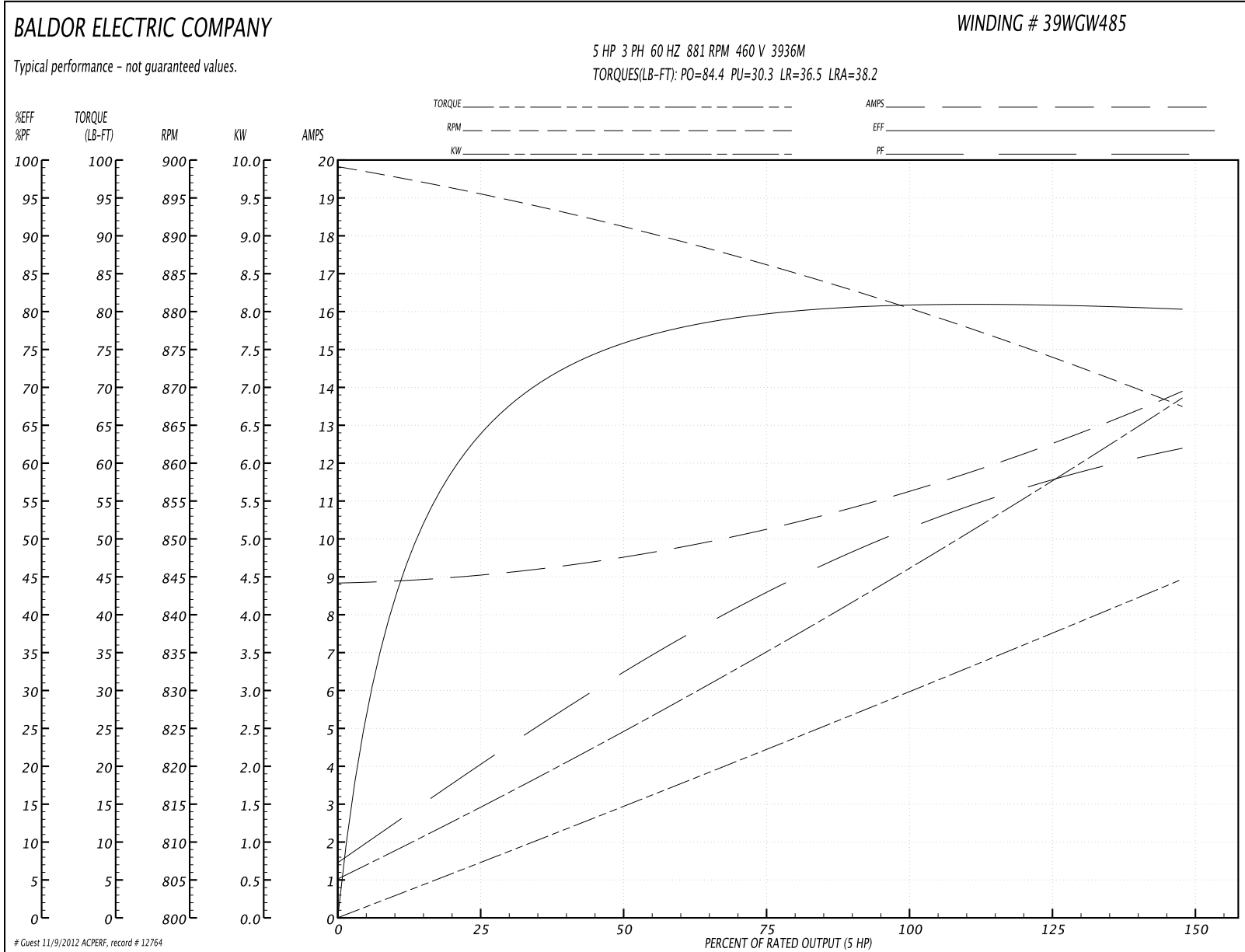
Performance Data at 460V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)**General Characteristics**

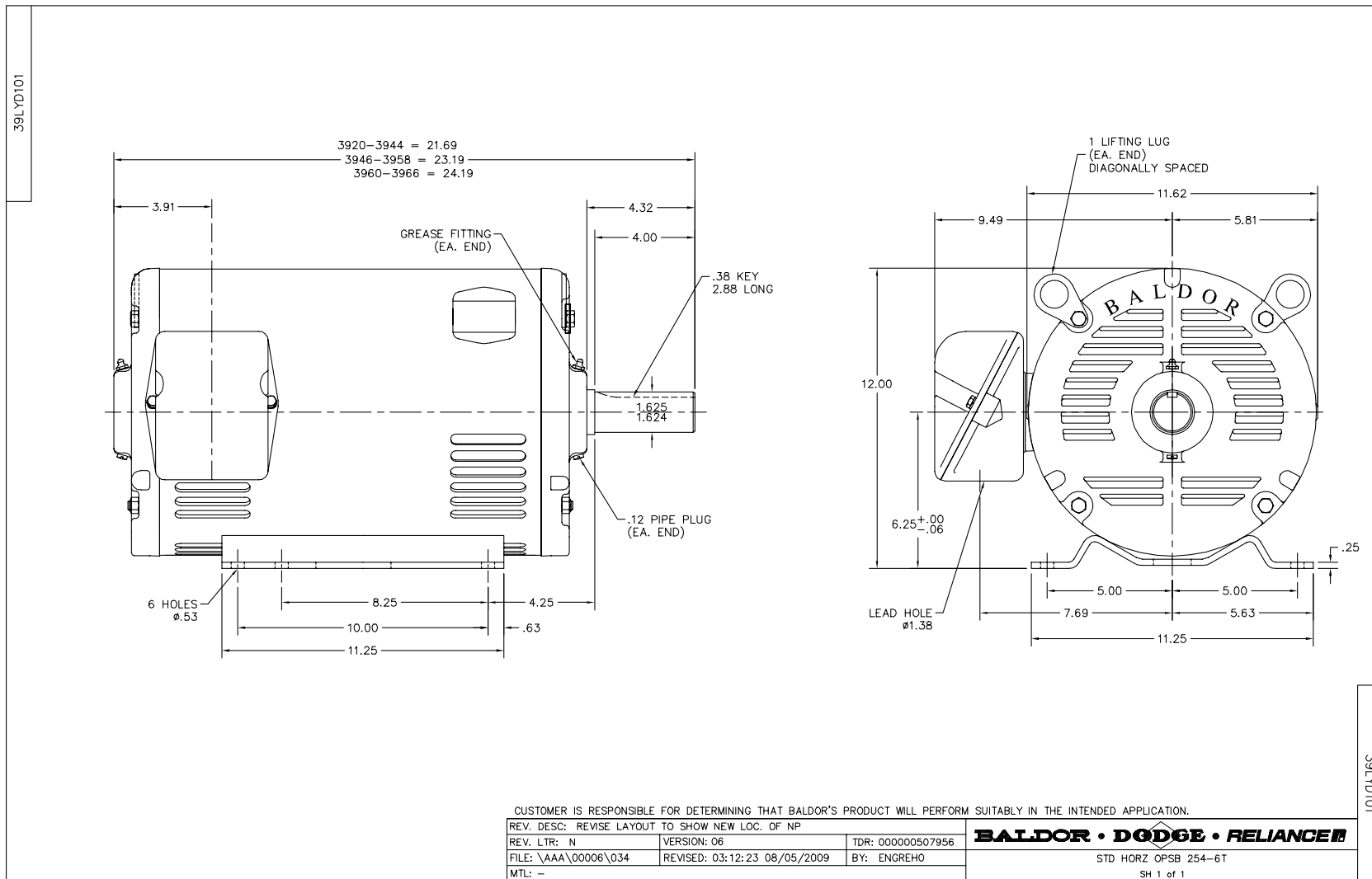
Full Load Torque:	29.8 LB-FT	Start Configuration:	DOL
No-Load Current:	8.88 Amps	Break-Down Torque:	84.4 LB-FT
Line-line Res. @ 25°C.:	2.52 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	30.3 LB-FT
Temp. Rise @ Rated Load:	57 C	Locked-Rotor Torque:	36.5 LB-FT
Temp. Rise @ S.F. Load:	66 C	Starting Current:	38.2 Amps

Load Characteristics

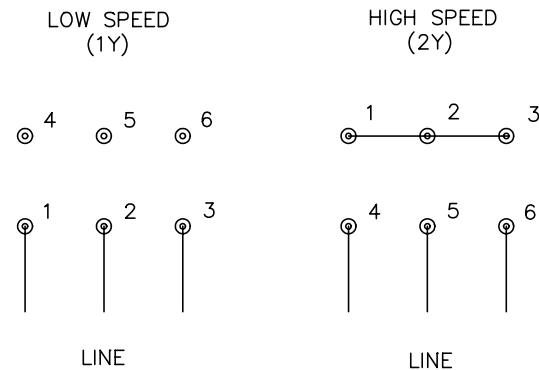
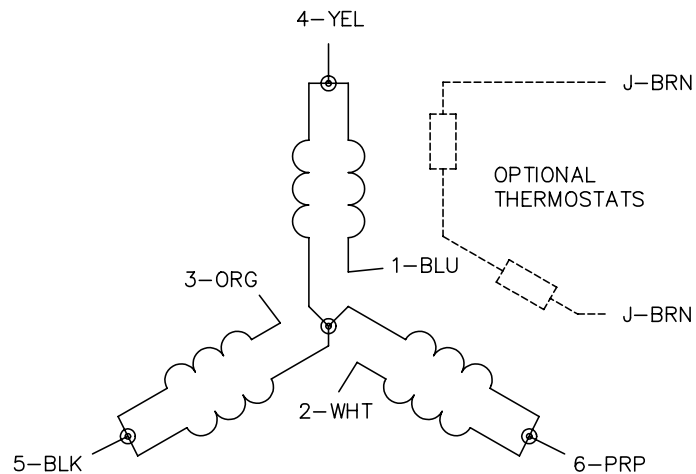
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	20.0	33.0	43.0	51.0	57.0	60.0	55.0
Efficiency:	63.2	75.6	79.9	81.2	80.9	80.2	81.0
Speed:	896.0	890.0	887.0	881.0	873.0	868.0	876.0
Line Amperes:	9.02	9.5	10.2	11.3	12.6	13.8	12.08

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values





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NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP REVISED: 01/22/99 8:27 TDR: 0171435

CD0032

FILE: AAA00005145

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, 2-SPEED 1-WINDING VARIABLE TORQUE

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