

BALDOR® • RELIANCE

Product Information Packet

ELECTRIC MOTOR WHOLESAL.COM

M7013

1HP,3450RPM,3PH,60HZ,56,X3416M,XPFC,F1

Part Detail							
Revision:	Y	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3416M	Elec. Spec:	34WG0282	CD Diagram:	
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	34-5325	Layout:	
Frame:	56	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	03-24-2011
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:	
Nameplate NP1426XP							
NO.				CC			
SER.							
SPEC.		34-5325-282					
CAT.NO.		M7013					
HP	1			T. CODE		T3C	
VOLTS		208-230/460					
AMPS		3.7-3.6/1.8					
RPM		3450					
HZ	60			PH	3	CL	B
SER.F.	1.00			DES	B	CODE	H
RATING		40C AMB-CONT					
FRAME	56			NEMA-NOM-EFF	75.5	PF	71
USABLE AT 208V		3.7					

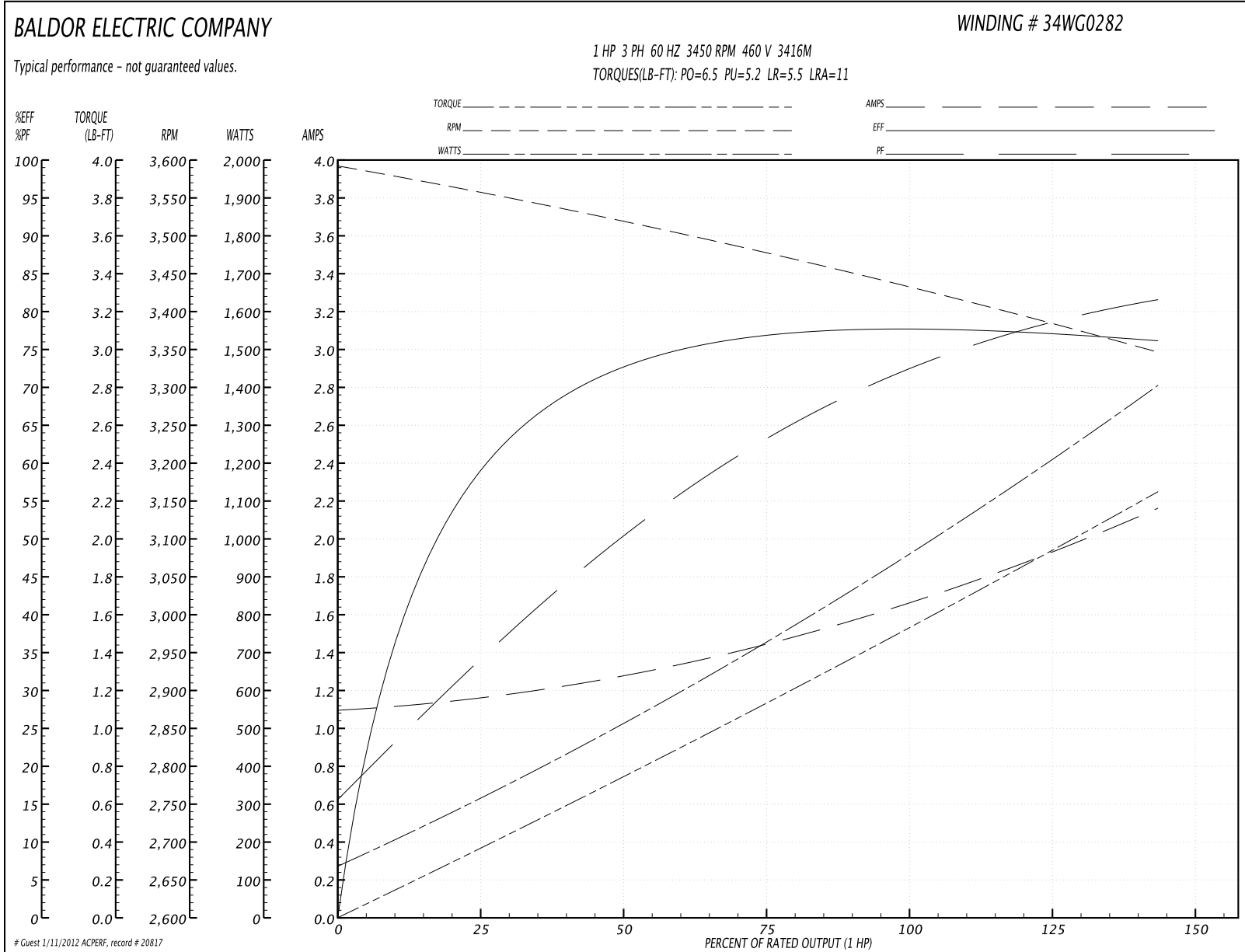
Parts List		
Part Number	Description	Quantity
SA008959	SA 34-5325-282	1.000 EA
RA005406	RA 34-5325-282	1.000 EA
MJ5000A01	SEALANT, CHICO A COMPOUND	0.050 LB
35CB3001A01SP	EXPL CONDUIT BOX, MACH, 1/2" PIPE TAP LE	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
34EP3703A01	FR ENDPLATE, MACH XP	1.000 EA
HW4002A02	1-11.5X2LG PIPE NIPPLE (F/S)	1.000 EA
HA1025A13	WSHR,FELT, .38" THICK F-26 CLASS	1.000 EA
HW3021E06	1/8 DIA X 5/8 ROLLPIN (F/S)	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3704A01	PU ENDPLATE, MACH XP	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01SP	IEC FH NO GREASER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	3.000 EA
MG1025G29	PAINT 789.205 DARK GRAY METALLIC (USE W/	0.014 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	6.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP0018	NP- XP CONDUIT BOX DO NOT MAKE SELLABLE	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	11.000 EA
SP5037A01	TERMINAL PLATE ASS'Y MODEL 34 - 3 PHASE	1.000 EA
HA3104A05	THRUBOLT, 5/16-18 X 8.375	4.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1426XP	UL/CSA, CLI GP-D,CLII GP-F&G,CC	1.000 EA
34PA1005	PACKING GROUP, BALDOR	1.000 EA

Performance Data at 460V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:	1.5 LB-FT			Start Configuration:	DOL		
No-Load Current:	1.1 Amps			Break-Down Torque:	6.5 LB-FT		
Line-line Res. @ 25°C.:	16.7 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	5.2 LB-FT		
Temp. Rise @ Rated Load:	71 C			Locked-Rotor Torque:	5.5 LB-FT		
Temp. Rise @ S.F. Load:				Starting Current:	11.0 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	37.0	53.0	68.0	76.0	77.0	76.0	77.0
Efficiency:	61.2	72.1	76.8	77.7	77.2	76.2	77.2
Speed:	3558.0	3524.0	3476.0	3434.0	3390.0	3349.0	3390.0
Line Amperes:	1.17	1.25	1.45	1.65	1.9	2.15	1.9

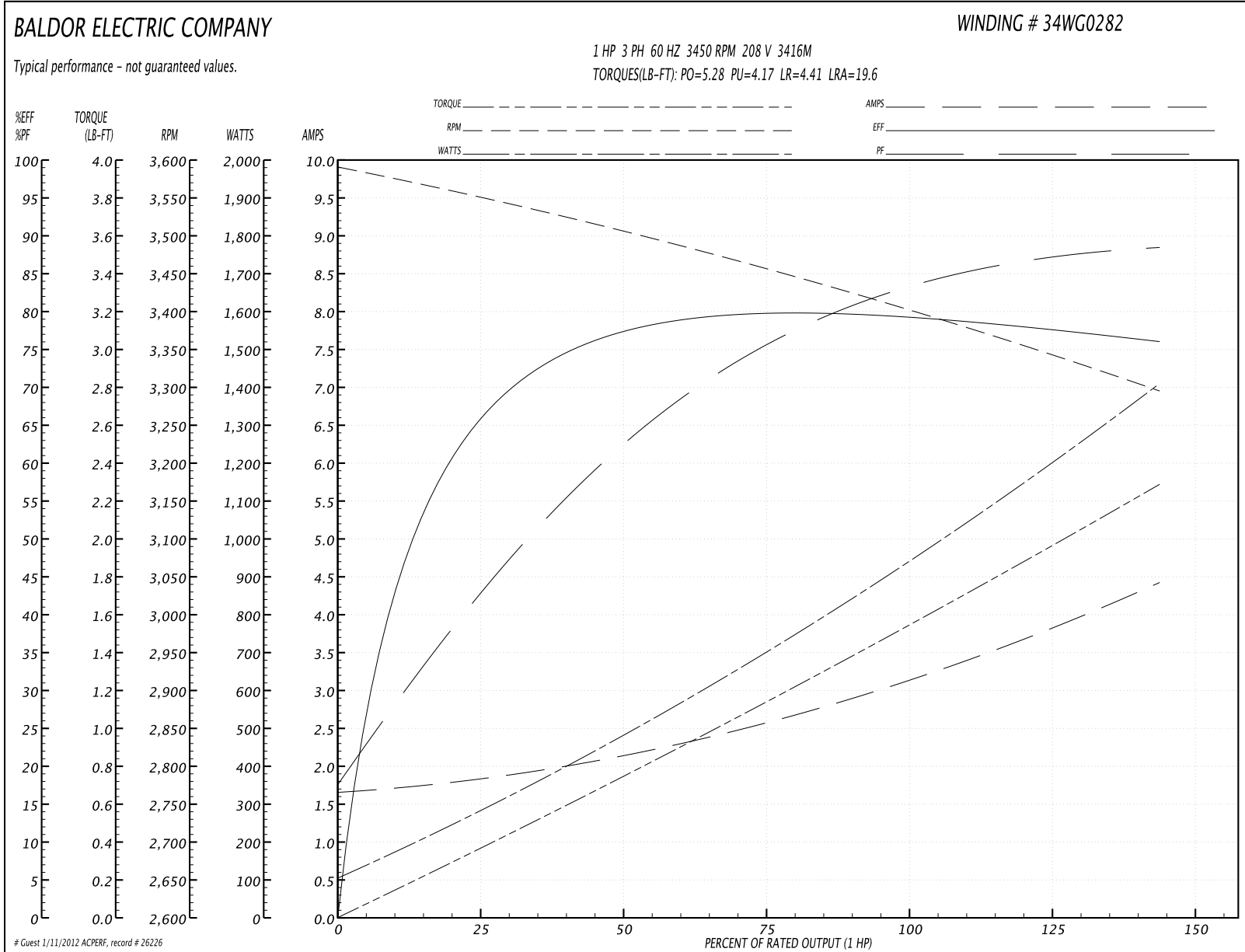
Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values

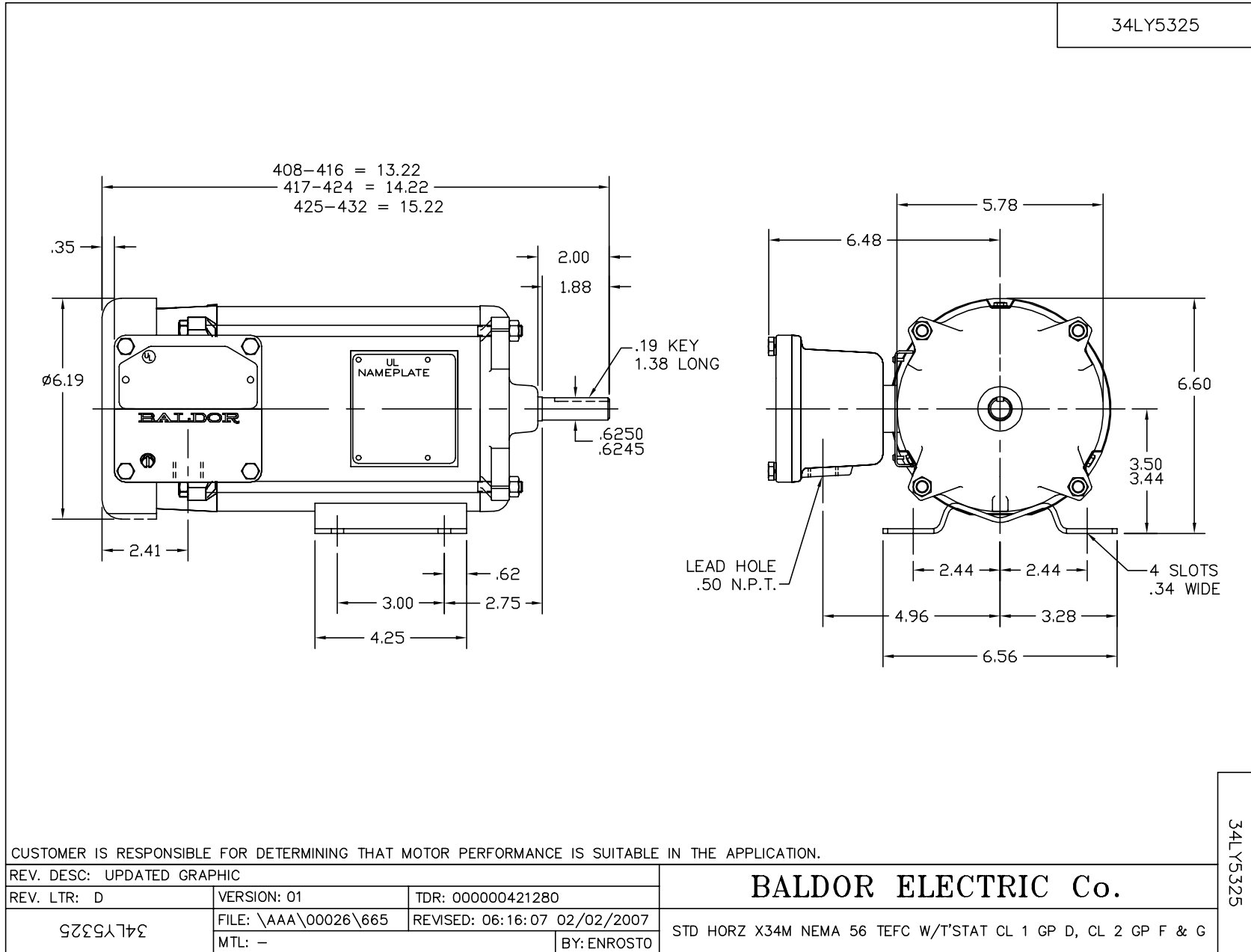


Performance Data at 208V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:	1.51 LB-FT			Start Configuration:	DOL		
No-Load Current:	1.67 Amps			Break-Down Torque:	5.28 LB-FT		
Line-line Res. @ 25°C.:	4.18 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	4.17 LB-FT		
Temp. Rise @ Rated Load:				Locked-Rotor Torque:	4.41 LB-FT		
Temp. Rise @ S.F. Load:				Starting Current:	19.6 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	42.0	65.0	75.0	82.0	86.0	89.0	0.0
Efficiency:	68.0	76.7	79.7	79.3	78.0	76.0	0.0
Speed:	3551.0	3511.0	3455.0	3405.0	3351.0	3297.0	0.0
Line Amperes:	1.84	2.09	2.58	3.1	3.74	4.4	0.0

Performance Graph at 208V, 60Hz, 1.0HP Typical performance - Not guaranteed values

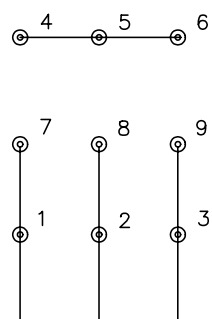




CD0005

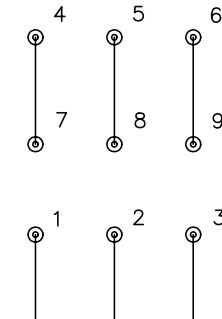


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

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: 01/19/99 10:15	TDR: 0171435
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005