

BALDOR® • RELIANCE

Product Information Packet

EFM3218T

5HP,1750RPM,3PH,60HZ,184T,3640M,OPSB,F2

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3640M	Elec. Spec:	36WGS270	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	36B106	Layout:	36LYB106
Frame:	184T	Mounting:	F2	Poles:	04	Created Date:	08-04-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	05-14-2013
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L									
CAT.NO.	EFM3218T								
SPEC.	36B106S270G1								
HP	5								
VOLTS	208-230/460								
AMP	14-13.2/6.6								
RPM	1750								
FRAME	184T	HZ			60	PH		3	
SER.F.	1.15	CODE			J	DES		B	CL F
NEMA-NOM-EFF	89.5	PF			80				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V			14				
DE	6206	ODE			6205				
ENCL	OPSB	SN							

Parts List		
Part Number	Description	Quantity
SA200976	SA 36B106S270G1	1.000 EA
RA188281	RA 36B106S270G1	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 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
36EP3200A01SP	FR ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3201A01	PU ENDPLATE, MACH 182-4T	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E18	KEY, 1/4 SQ X 2.000	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HA6362ZP	LIFTING LUG FOR 36 FRAME MOTORS.	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36AD2004A01	BAFFLE PLATE,MOD 36-SLTD BAND MTRS DELTA	2.000 EA
HA3101A40	THRUBOLT 1/4-20 X 12.687	4.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Accessories		
Part Number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 31553 - Typical performance - not guaranteed values

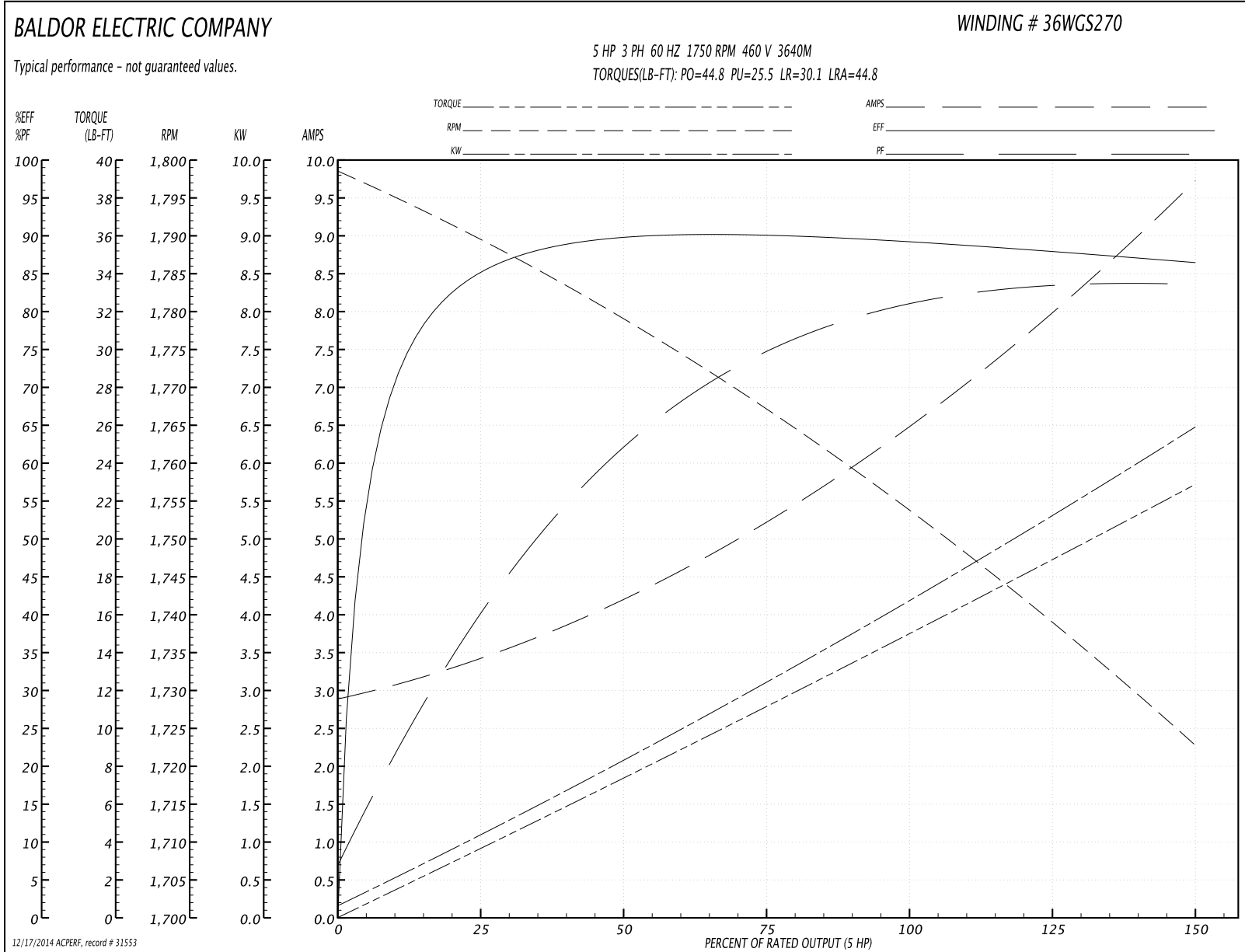
Winding: 36WGS270-R001	Type: 3640M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	15.05 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	14-13.2/6.6			Breakdown Torque	44.8 LB-FT
R.P.M.	1750			Pull-up Torque	25.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	30.1 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	44.8 A
Service Factor (S.F.)	1.15			No-load Current	2.97 A
NEMA Nom. Eff.	89.5	Power Factor	80	Line-line Res. @ 25°C	2.632 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps				Temp. Rise @ S.F. Load	56°C
				Rotor inertia	0.372 LF ²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	64	75	80	83	84	82
Efficiency	85.4	89.7	90.2	89.5	88.2	86.4	88.7
Speed	1789.2	1778.5	1766.9	1753.8	1739.5	1722.1	1745
Line amperes	3.33	4.14	5.26	6.59	8.05	9.68	7.47

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



AC Induction Motor Performance Data

Record # 38235 - Typical performance - not guaranteed values

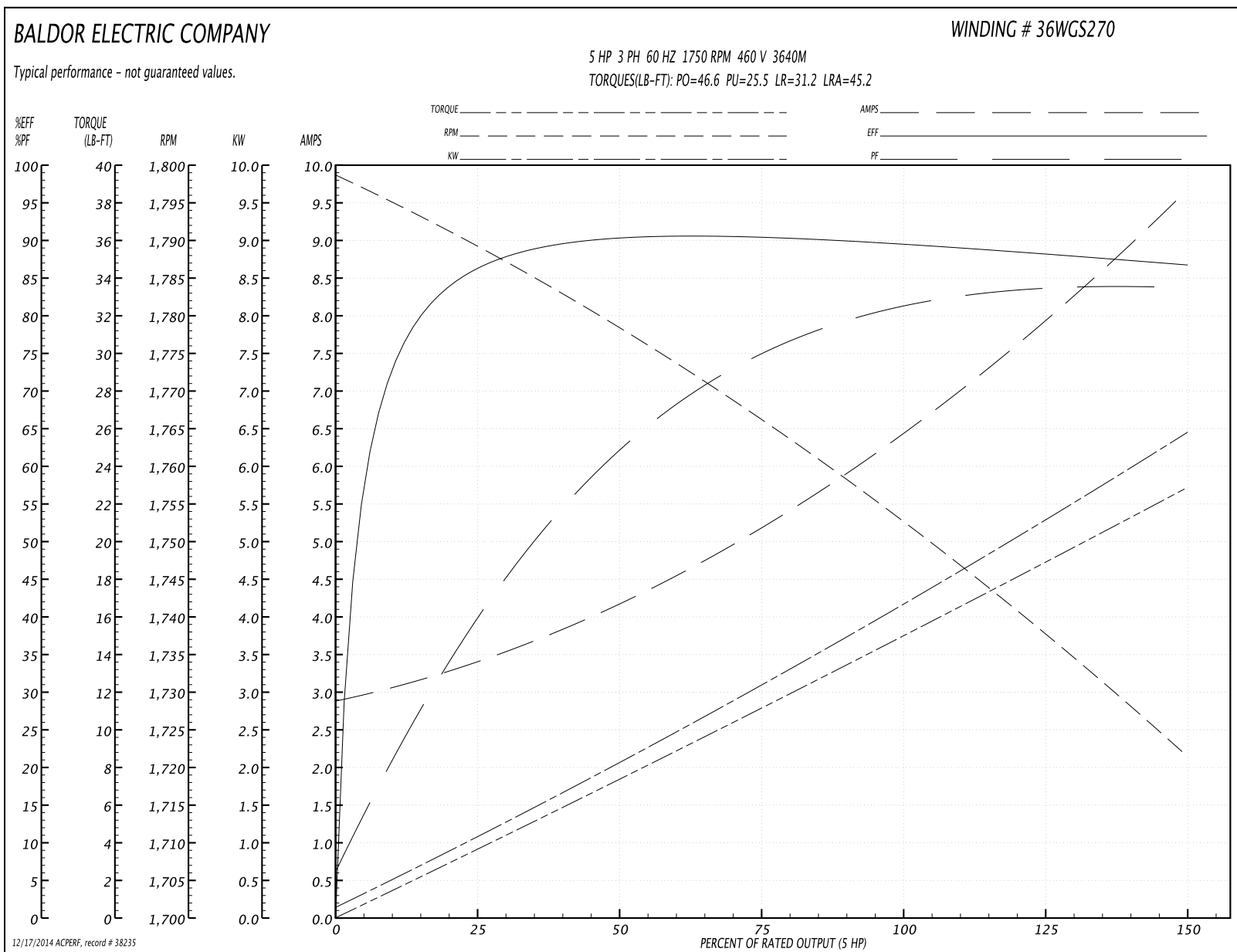
Winding: 36WGS270-R001	Type: 3640M	Enclosure: OPSB
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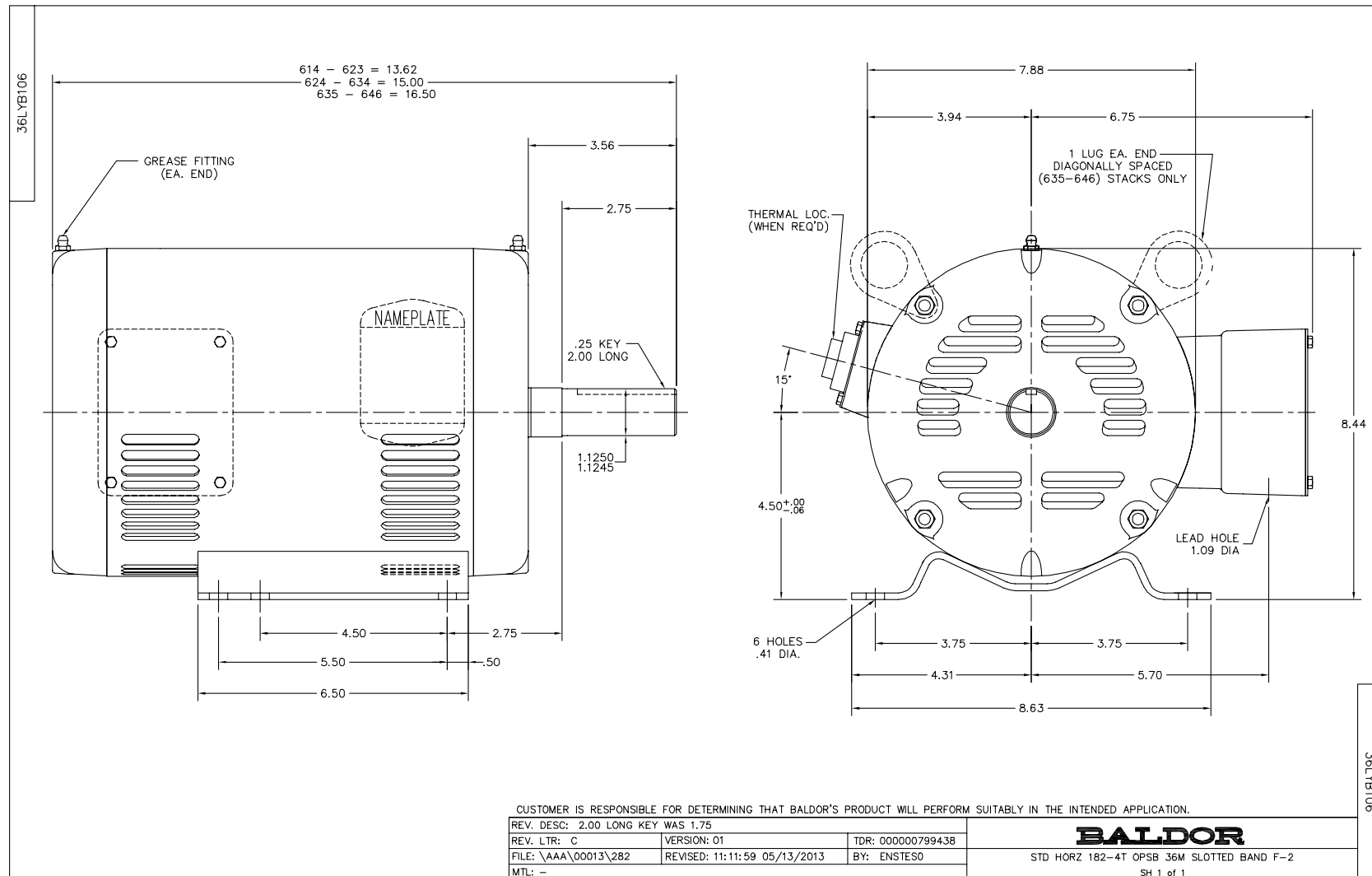
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	14-13.2/6.6			Breakdown Torque	46.6 LB-FT
R.P.M.	1750			Pull-up Torque	25.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	31.2 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	45.2 A
Service Factor (S.F.)	1.15			No-load Current	2.96 A
NEMA Nom. Eff.	89.5	Power Factor	80	Line-line Res. @ 25°C	2.6272 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	45°C
S.F. Amps				Temp. Rise @ S.F. Load	56°C
				Rotor inertia	0.372 LF ²

Load Characteristics 460 V, 60 Hz, 5 HP

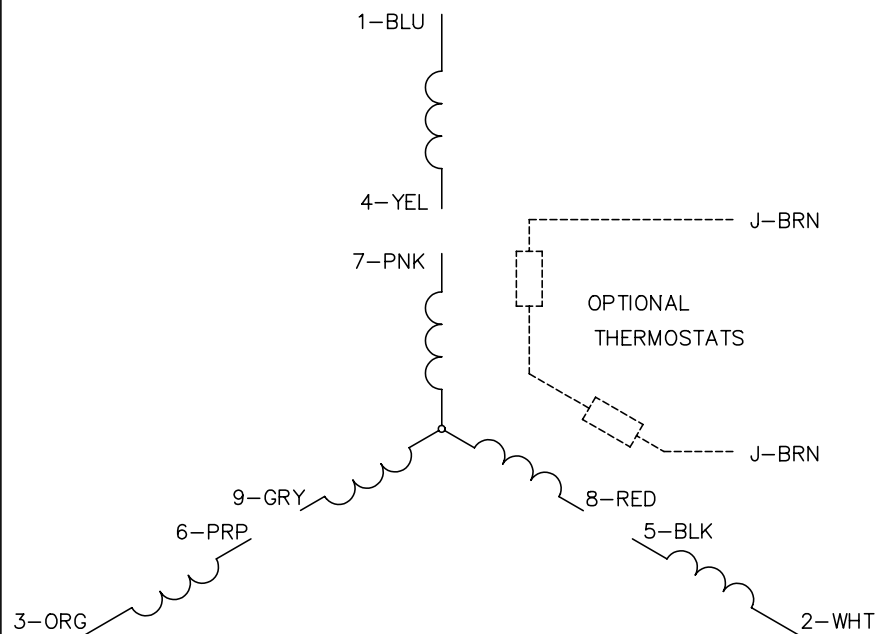
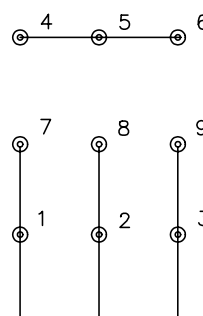
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	64	75	80	83	84	82
Efficiency	86.1	90.2	90.5	89.7	88.3	86.6	88.9
Speed	1788.8	1778.1	1766	1752.7	1737.8	1721.1	1744
Line amperes	3.33	4.11	5.22	6.52	8.02	9.62	7.42

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

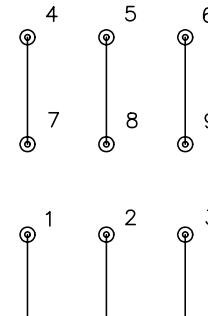




CD0005


 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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005