

BALDOR® • RELIANCE

Product Information Packet

AEM2334-4

20HP,1770RPM,3PH,60HZ,286U,1038M,TEFC,F1

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Part Detail									
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	1038M	Elec. Spec:	10WGY660	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	10M36	Layout:			
Frame:	286U	Mounting:	F1	Poles:	04	Created Date:	04-28-2010		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	08-07-2012		
Leads:	3#10	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1404E									
CAT.NO.	AEM2334-4								
SPEC.	10M036Y660H2								
VOLTS	460								
AMP	25								
RPM	1770	HP	20						
FRAME	286U	HZ	60	PH	3				
SER.F.	1.00	CODE	G	DES	B	CL	F		
NEMA-NOM-EFF	91	PF	82						
G.MIN.EFF	89.5	CC							
RATING	65C AMB-CONT								
LUBRICATION	POLYREX EM								
DE	6311	ODE	6309						
ENCL	TEFC	SER. #							
	MEETS GM-7EHQ								

Parts List		
Part Number	Description	Quantity
SA194159	SA 10M036Y660H2	1.000 EA
RA181749	RA 10M036Y660H2	1.000 EA
09FN3001B02	EXTERNAL FAN, PLASTIC	1.000 EA
S/P101-000-004	EPACT PROC-CL, 280FR & UP,LARGE BOX,POLY	1.000 EA
10CB1000A09P	CONDUIT BOX, MACH W/EPOXY PRIMER	1.000 EA
09GS1010	GASKET, DWG, LEADWIRE SEPERATOR	1.000 EA
10XN3118K16	5/16-18 X 1" GRADE #5, STL, ZINC PLATE	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B16	KPA-4C BURNDY TERMINAL	1.000 EA
10XN2520K06	1/4-20 X 3/8" HX HD SCREWGRADE 5, ZINC P	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
10EP1104A01P	FR ENDPLATE, MACH W/EPOXY PRIMER	1.000 EA
HA4001A01SP	DRAIN PLUG, PLASTIC (MICRO PLAS)	1.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10EP1105A01P	MACH'D EPOXY PRIMED EP	1.000 EA
10XN2520K32	1/4-20 X 2.00 HX HD SCRW GRADE 5, ZINC P	2.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
10FH1007P	FAN COVER, CAST W/EPOXY PRIMER	1.000 EA
10XN3118K20	5/16-18 X 1 1/4 GRADE 5 STEEL ZC PLATED	3.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
WD4100A02	DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL	1.000 EA
HA1005A04SP	SLINGER, OD 3.620, ID 1.98,	1.000 EA
HA1005A26	SLINGER, OD 3.00, ID 1.75, 309 BRG	1.000 EA
10CB1500A01P	CONDUIT BOX LID, MACH W/EPOXY PRIMER	1.000 EA
14GS1003	GASKET CONDUIT BOX LID, NEOP	1.000 EA
10XN2520K16	1/4-20 X 1" HX HD SCRW GRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
MJ5001A01	46-665 RED SEALER	0.031 QT
MJ5002A01	SILICON RUBBER SEALANT, 732CL 10.3 OZ TU	0.031 EA
MJ5001A14	DYNAPRO SEAL, CP MOTORS VC#2508050 (603	0.033 EA
HW2501G32	KEY, 3/8 SQ X 3.750	1.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
WD1000B07	TERMINAL, BURNDY YAV10-T3	3.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.130 LB
HW4500A20	1/8NPT SL PIPE PLUG	3.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025G02	PAINT, 782-02 WILKOFASST LIGHT GREY EPOXY	0.070 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	4.000 EA
LC0006	CONNECTION LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP1404E	SS UL CSA CC "AUTOMOTIVE"	1.000 EA
10PA1000	PACKAGING GROUP COMBINED PRINT PK1023A06	1.000 EA

Accessories		
Part Number	Description	Multiplier
10-1305	C FACE KIT	A8
10EP1502A01SP	D-FLANGE KIT	A8

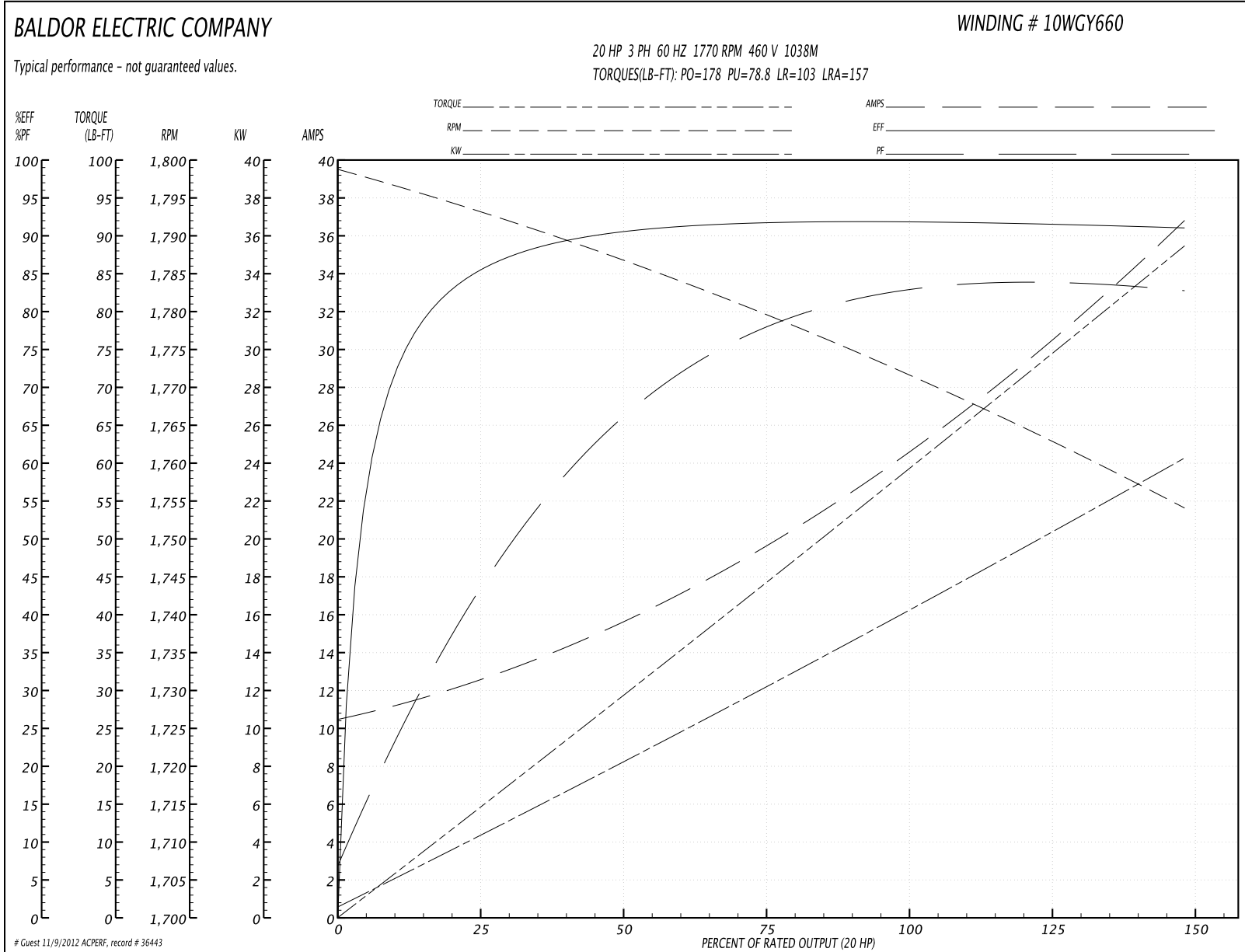
Performance Data at 460V, 60Hz, 20.0HP (Typical performance - Not guaranteed values)
General Characteristics

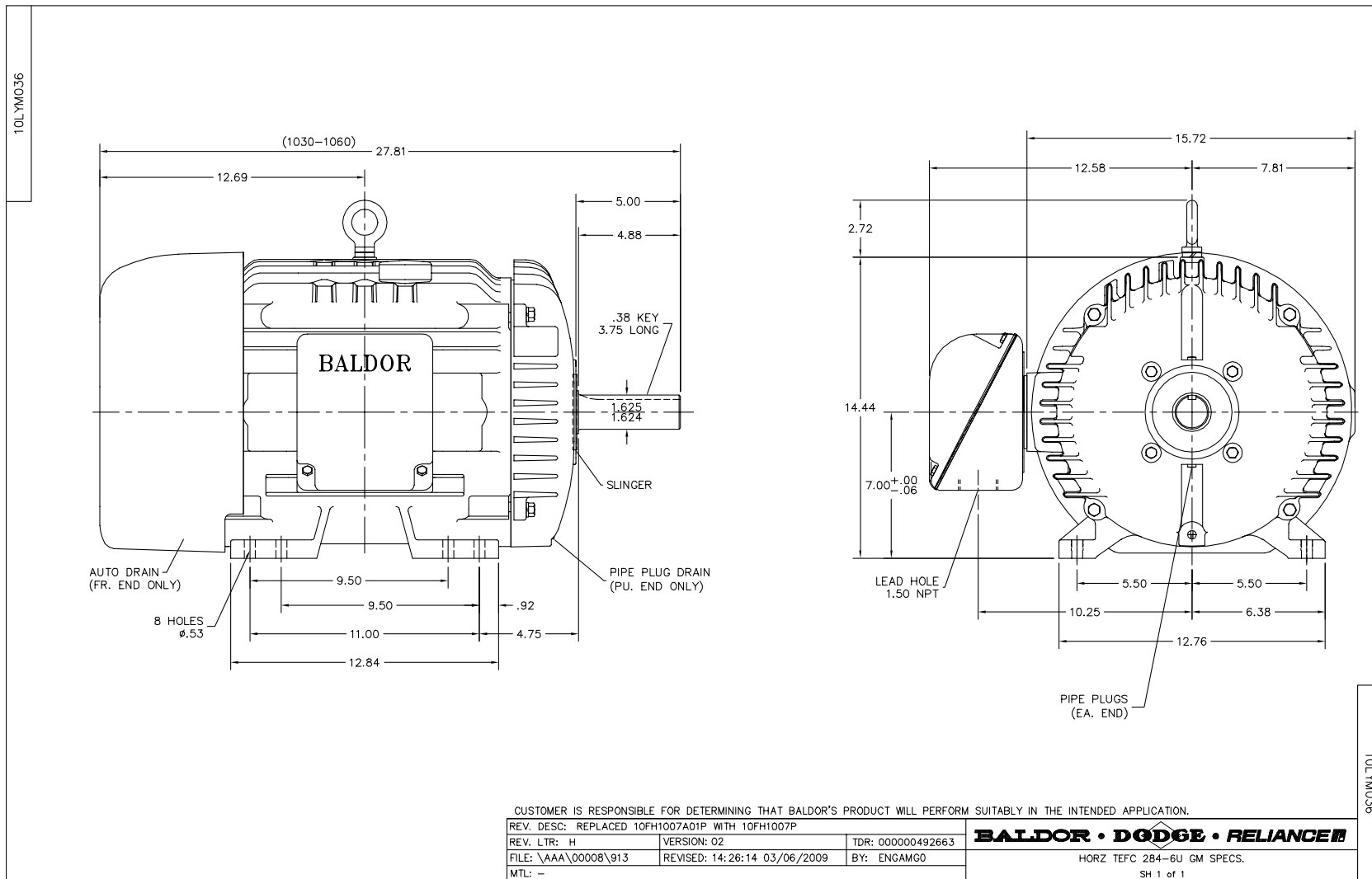
Full Load Torque:	59.2 LB-FT	Start Configuration:	DOL
No-Load Current:	10.8 Amps	Break-Down Torque:	178.0 LB-FT
Line-line Res. @ 25°C.:	0.378 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	78.8 LB-FT
Temp. Rise @ Rated Load:	46 C	Locked-Rotor Torque:	103.0 LB-FT
Temp. Rise @ S.F. Load:		Starting Current:	157.0 Amps

Load Characteristics

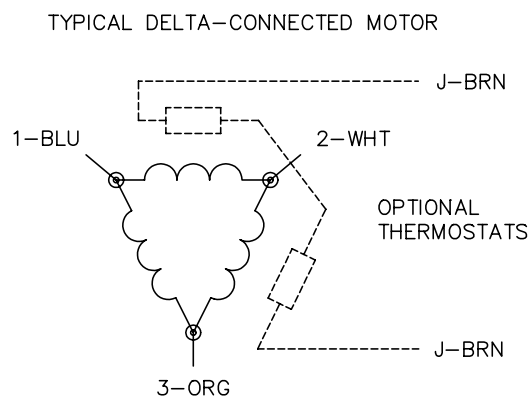
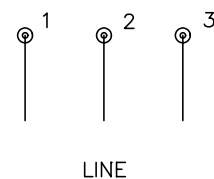
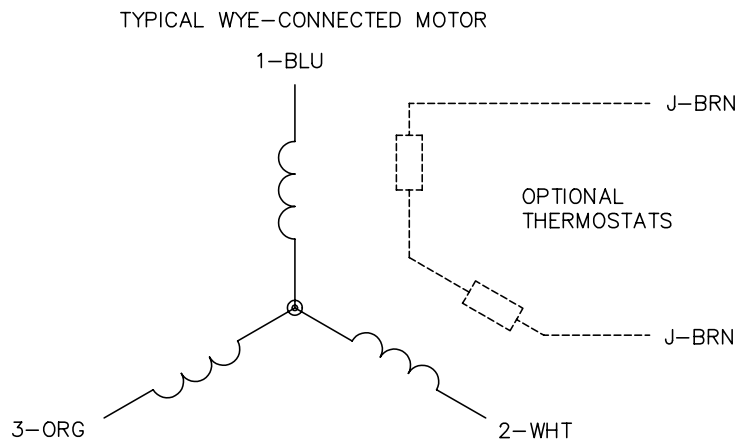
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	46.0	68.0	78.0	82.0	83.0	83.0	0.0
Efficiency:	84.9	90.4	91.7	92.0	91.7	90.9	0.0
Speed:	1793.0	1786.0	1780.0	1772.0	1763.0	1754.0	0.0
Line Amperes:	12.2	15.4	19.8	24.9	30.4	36.6	0.0

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





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

900000

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006