

BALDOR® • RELIANCE

Product Information Packet

EHM4103T-5

25HP,1770RPM,3PH,60HZ,284T,1046M,TEFC,F1

Copyright © All product information within this document is subject to Baldor Electric Company copyright © protection, unless otherwise noted.

Part Detail									
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	1046M	Elec. Spec:	10WGX313	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	10H756	Layout:			
Frame:	284T	Mounting:	F1	Poles:	04	Created Date:	12-12-2011		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-30-2012		
Leads:	3#10	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2138L									
CAT.NO.	EHM4103T-5	P/N		ENCLOSURE			TEFC		
SPEC.	10H756X313G1	CC	010A	FRAME			284T	S/N	
HP	25	CLASS	F	HZ			60		
RPM	1770	PH	3	DES			B		
VOLT	575	KVA-CODE	G	ODE BRG			6309	DE BRG	6311
AMP	23.9	USABLE AT 208V							
RATING	40C AMB-CONT	GREASE	POLYREX EM						
NEMA-NOM-EFF	93.6	PF	84	SER.F.			1.15		
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.					

Parts List		
Part Number	Description	Quantity
SA235711	SA 10H756X313G1	1.000 EA
RA222670	RA 10H756X313G1	1.000 EA
09FN3001C02	EXTERNAL FAN, PLASTIC	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
10CB3000SP	STD KO BOX MODEL 310,312,314 MTRS W/2.00	1.000 EA
12GS1000SP	GASKET	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B16	KPA-4C BURNDY TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	1.000 EA
10EP1106A01	FR ENDPLATE, MACH	1.000 EA
10XN3816K32	BOLT, 3/8-16X2 HH YZ(5)	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HA4017A01	1/8 X 4 GREASE EXT (F/S)	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10XN2520K32	1/4-20 X 2.00 HX HD SCRW GRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
10EP1105A106	PU ENDPLATE, MACH W/1/2 SH GND MTG	1.000 EA
84XN0540J08	5-40 X 1/2" SHCS, BLACK OXIDE	2.000 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
10FH4000SP	310 FAN HOUSING STAMPED	1.000 EA

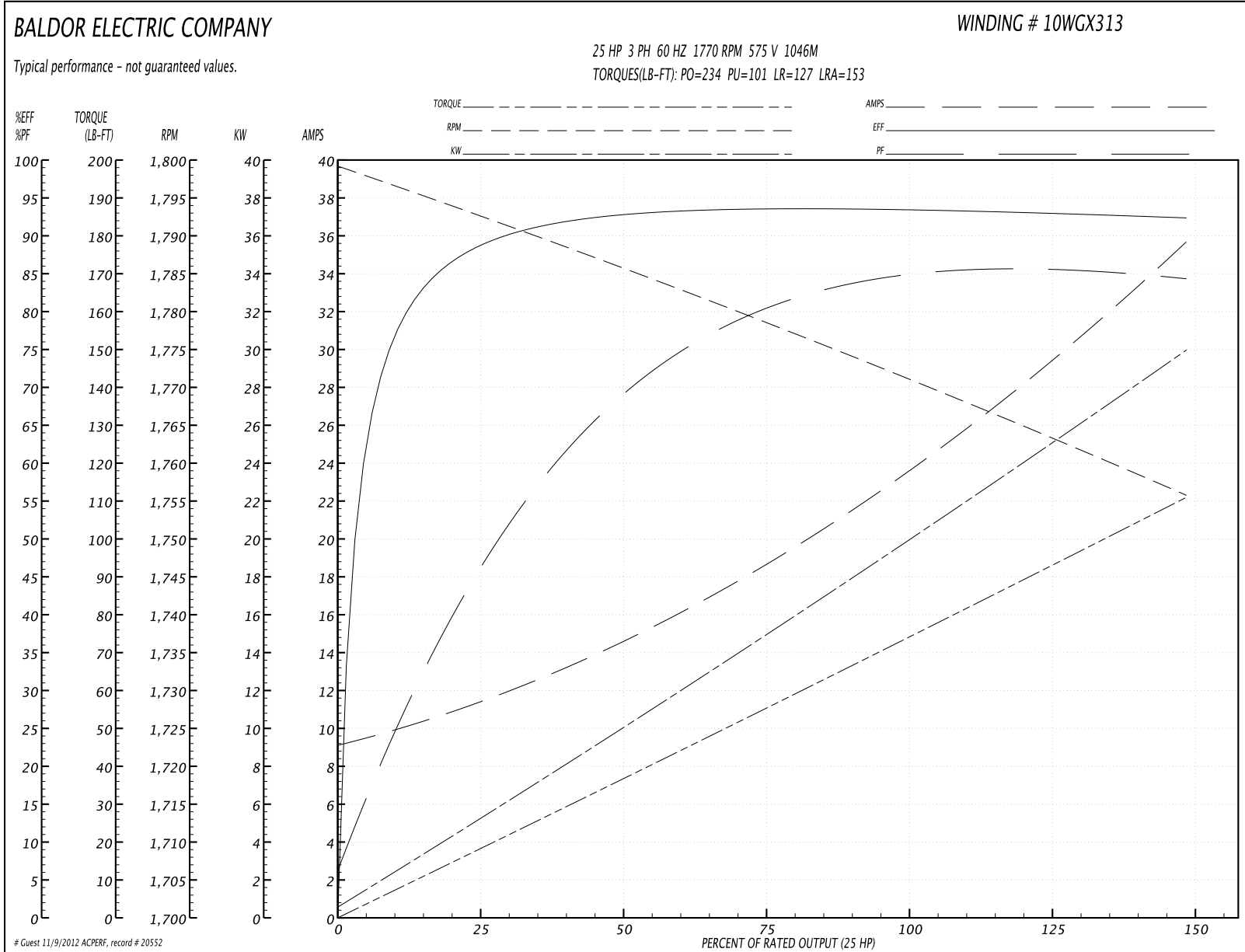
Parts List (continued)		
Part Number	Description	Quantity
10XN2520K08	1/4-20 X .50 GRADE #5, STL, ZINC PLATE	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
10CB3500SP	CONDUIT BOX LID, CAST	1.000 EA
10GS1000SP	GASKET, CONDUIT BOX LID	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
HW4500A35	1/8 NPT STEEL .50 HEX CAP	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA4001A01SP	DRAIN PLUG, PLASTIC (MICRO PLAS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.130 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
HA4001A01SP	DRAIN PLUG, PLASTIC (MICRO PLAS)	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.070 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	4.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	2.000 SH
LC0006	CONNECTION LABEL	1.000 EA
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 EA
10PA1000	PACKAGING GROUP COMBINED PRINT PK1023A06	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1350	BAR CODE LABEL FOR YORK	1.000 EA

Performance Data at 575V, 60Hz, 25.0HP (Typical performance - Not guaranteed values)

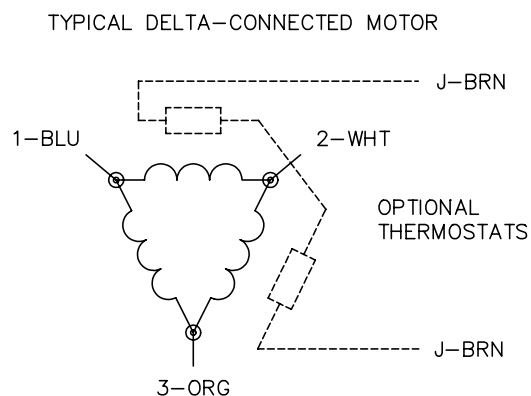
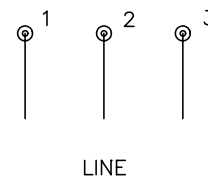
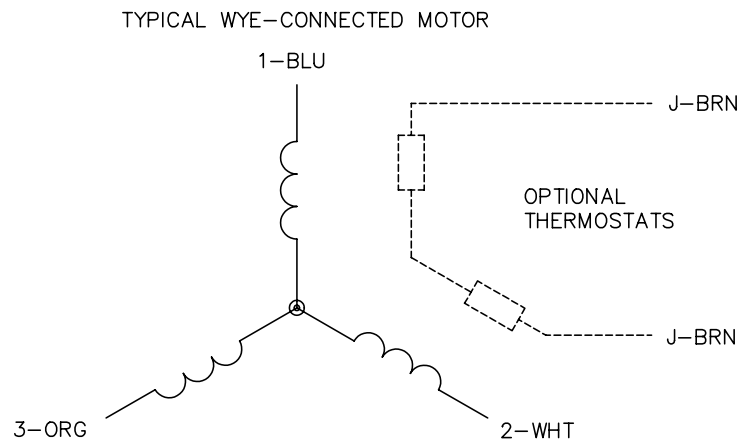
General Characteristics							
Full Load Torque:		74.1 LB-FT		Start Configuration:		DOL	
No-Load Current:		9.45 Amps		Break-Down Torque:		234.0 LB-FT	
Line-line Res. @ 25°C.:		0.443 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		101.0 LB-FT	
Temp. Rise @ Rated Load:		51 C		Locked-Rotor Torque:		127.0 LB-FT	
Temp. Rise @ S.F. Load:		62 C		Starting Current:		153.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	49.0	71.0	80.0	84.0	85.0	85.0	85.0
Efficiency:	88.8	92.4	93.5	93.6	93.3	92.2	93.4
Speed:	1793.0	1785.0	1779.0	1771.0	1763.0	1756.0	1766.0
Line Amperes:	11.0	14.4	18.9	23.9	29.4	35.5	27.2

Performance Graph at 575V, 60Hz, 25.0HP 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

9000D3

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

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

CD0006