



Product Information Packet

EM2555T-8

100HP,1780RPM,3PH,60HZ,404T,4476M,OPSB,F

Part Detail							
Revision:	L	Status:	NLA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	44WGWO87	CD Diagram:	CD0695	Mfg Plant:	
Mech. Spec:	44E193	Layout:	44LYE193	Poles:	04	Created Date:	08-07-2009
Base:	RG	Eff. Date:	01-21-2019	Leads:	6#2		

Specs			
Catalog Number:	EM2555T-8	Inverter Code:	Inverter Ready
Enclosure:	OPSB	KVA Code:	G
Frame:	404T	Lifting Lugs:	Standard Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	100.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 2 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	200.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
Agency Approvals:	CSA	Motor Type:	4476M
	CSA EEV	Mounting Arrangement:	F1
	NEMA PREMIUM	Power Factor:	85
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	263.000 A @ 200.0 V	Shaft Ground Indicator:	No Shaft Grounding
	264.000 A @ 208.0 V	Shaft Rotation:	Reversible

Design Code:	B	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Part Winding
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP2138L

CAT.NO.	EM2555T-8	P/N		ENCLOSURE	OPSB		
SPEC.	44E193W087G1	CC	010A	FRAME	404T	S/N	
HP	100	CLASS	F	HZ	60		
RPM	1780	PH	3	DES	B		
VOLT	200	KVA-CODE	G	ODE BRG	6312	DE BRG	6316
AMP	263	USABLE AT 208V	264				
RATING	40C AMB-CONT	GREASE	POLYREX EM				
NEMA-NOM-EFF	95.4	PF	85	SER.F.	1.15		
HTR-VOLTS		HTR-AMPS					

Parts List		
Part Number	Description	Quantity
SA184594	SA 44E193W087G1	1.000 EA
RA172426	RA 44E193W087G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
HA6731	LIFTING LUG FOR 44 FRAME MOTORS.	2.000 EA
HA6648A01	CAST ADAPTER, 44 FRAME - NEMA 404-5 - MA	1.000 EA
19XW3816A16	.38-16 X 1.00 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	2.000 EA
16CB1000A01	CONDUIT BOX, MACH	1.000 EA
19XW3118A16	.31-18 HEX WASHER HEAD TAPTITE II 1.00 L	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B25	GND LUG, BURNDY L125HP OR T&B L125HP-BB	1.000 EA
10XN3118K16	5/16-18 X 1' GRADE #5, STL, ZINC PLATE	1.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	1.000 EA
44EP1203A02	FREP, MACH	1.000 EA
HW5100A15	W4997-050 WVY WSHR (WB)	1.000 EA
10XN3816K48	3/8-16 X 3 HEX HD CAP SCREW,Z/P	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
44EP1202A01	PU ENDPLATE, MACH.	1.000 EA
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	8.000 EA
16CB1500A01	CONDUIT BOX LID, MACH.	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
HW2501K66	KEY, 3/4 SQ X 5.625	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.030 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.080 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
44AD2001A02	BAFFLE 44 OPEN,"X"=1.50, SLOTTED BAND MT	1.000 EA
44AD2001A02	BAFFLE 44 OPEN,"X"=1.50, SLOTTED BAND MT	1.000 EA
HA3175A04	THRUBOLT STUD 1/2-13 X 26.000 - GRADE 2	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0695	CONNECTION LABEL	1.000 EA
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 EA
44PA1000	PK GP COMB PRINT 39-3/8X31X23-7/8	1.000 EA

Accessories		
Part Number	Description	Multiplier
44-1402	C FACE KIT 44/404-5UC TC 6316 BRG	A8

AC Induction Motor Performance Data

Record # 13915

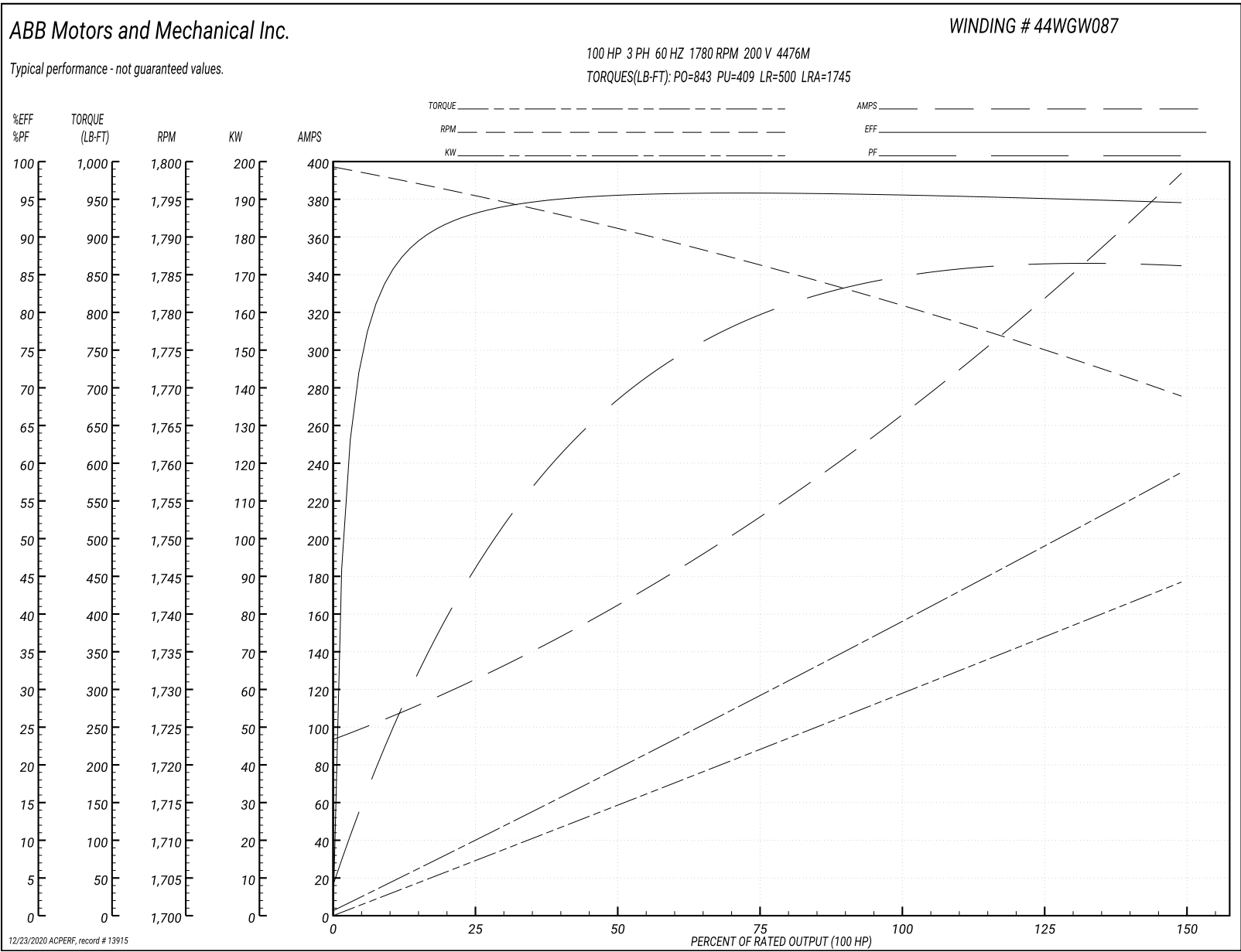
Typical performance - not guaranteed values

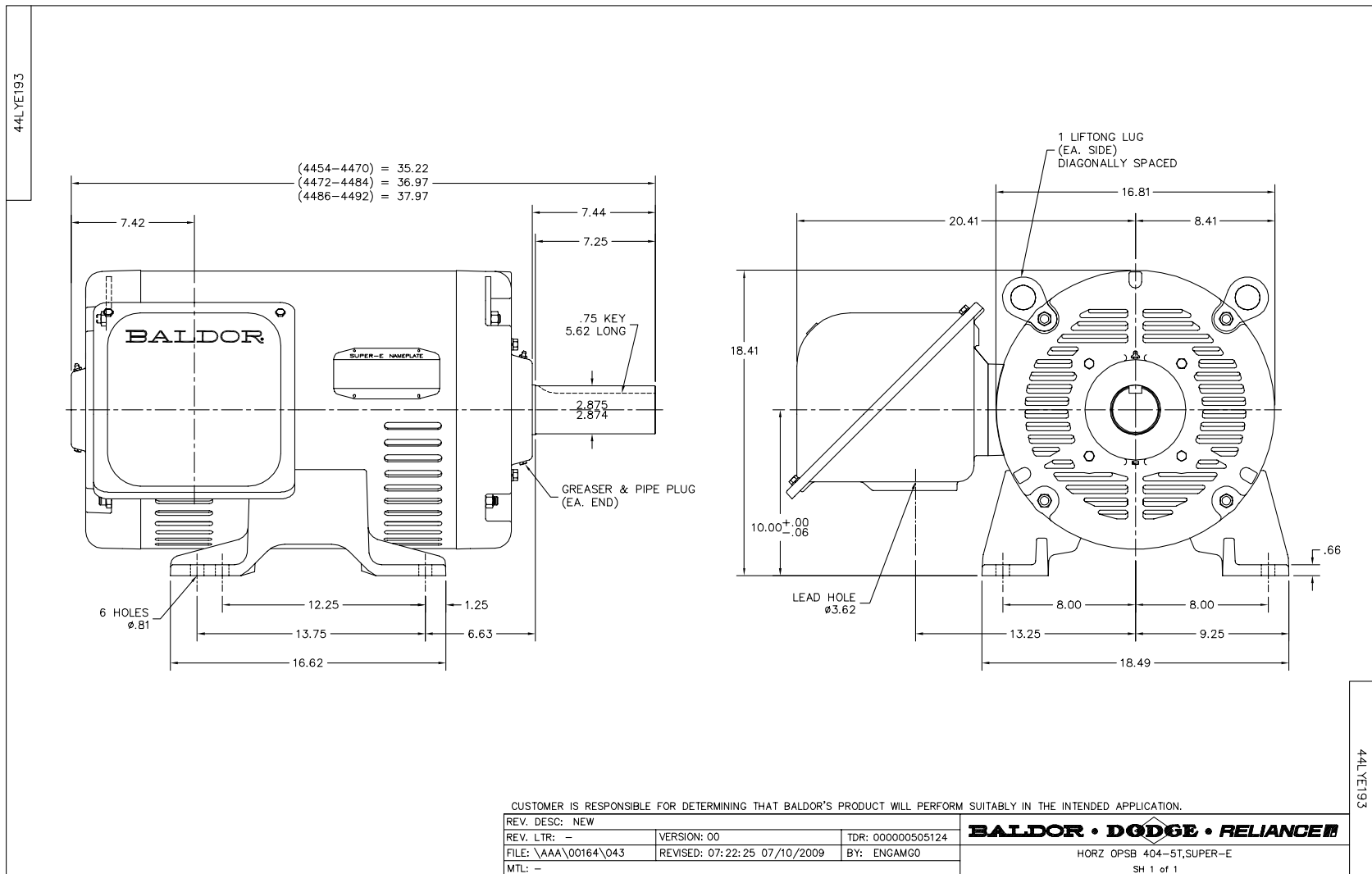
Winding: 44WGW087-R001				Type: 4476M		Enclosure: OPSB	
Nameplate Data				200 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		100		Full Load Torque		295 LB-FT	
Volts		200		Start Configuration		direct on line	
Full Load Amps		263		Breakdown Torque		843 LB-FT	
R.P.M.		1780		Pull-up Torque		409 LB-FT	
Hz		60		Phase		3	
NEMA Design Code		B		KVA Code		G	
Service Factor (S.F.)		1.15		No-load Current		93.5 A	
NEMA Nom. Eff.		95.4		Power Factor		85	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps						Temp. Rise @ S.F. Load	
						Locked-rotor Power Factor	
						Rotor inertia	

Load Characteristics 200 V, 60 Hz, 100 HP

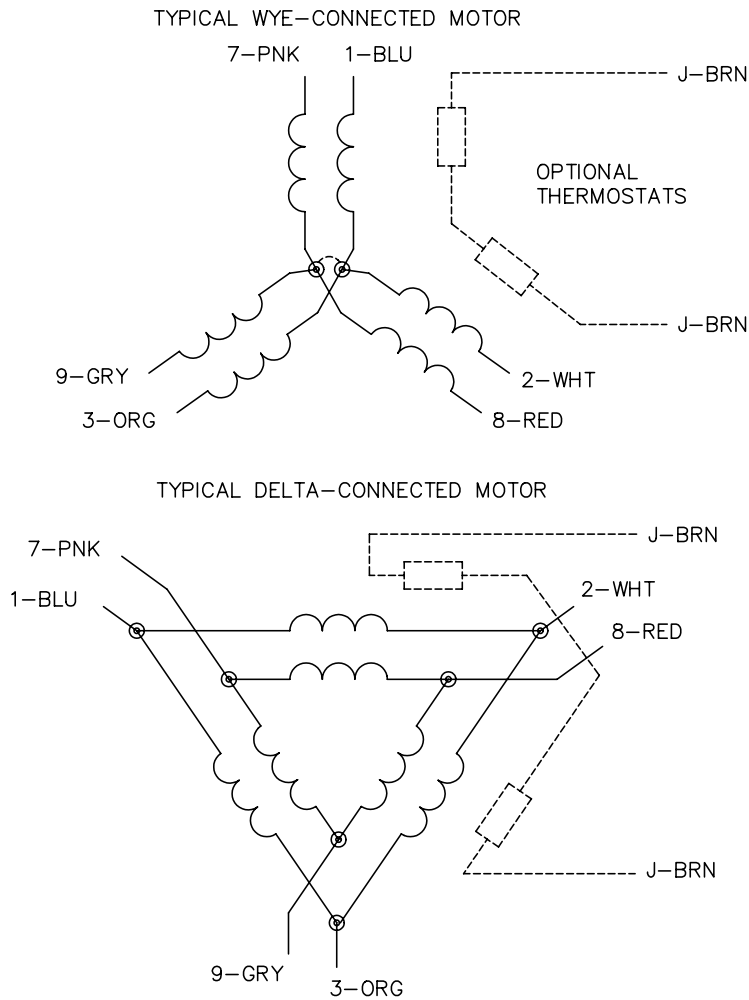
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	69	79	86	86	86	86
Efficiency	93.1	95.4	95.8	95.6	95.2	94.5	95.4
Speed	1796	1791	1786	1781	1775	1769	1777
Line amperes	126	164	214	263	329	393	302.6

Performance Graph at 200V, 60Hz, 100.0HP Typical performance - Not guaranteed values

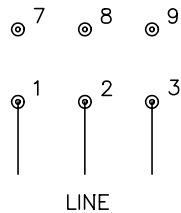




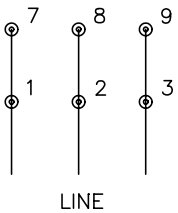
CD0695



START CONNECTION



RUN CONNECTION



- NOTES:
1. MOTOR MAY BE 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 ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: JLP	REVISED: 01/21/99 3:19	TDR: 0171435
9690D0		FILE: AAA00005151	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, PART WINDING START

CD0695