

BALDOR® • RELIANCE 

Product Information Packet

EM2532T

25HP, 1180RPM, 3PH, 60HZ, 324T, 4072M, OPSB, F1

Part Detail							
Revision:	T	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	40WG192	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	40E212	Layout:	40LYE212	Poles:	06	Created Date:	10-14-2010
Base:	RG	Eff. Date:	08-21-2018	Leads:	9#10		

Specs			
Catalog Number:	EM2532T	Inverter Code:	Inverter Ready
Enclosure:	OPSB	IP Rating:	NONE
Frame:	324T	KVA Code:	J
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	25.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 10 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
Agency Approvals:	CSA	Motor Type:	4072M
	CSA EEV	Mounting Arrangement:	F1
	UR	Power Factor:	76
Auxillary Box:	No Auxillary Box	Product Family:	General Purpose
Auxillary Box Lead Termination:	None	Pulley End Bearing Type:	Ball
Base Indicator:	Rigid	Pulley Face Code:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Shaft Indicator:	Standard
Blower:	None	Rodent Screen:	None
Current @ Voltage:	70.000 A @ 208.0 V	Shaft Extension Location:	Pulley End
	68.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	34.000 A @ 460.0 V	Shaft Rotation:	Reversible
Design Code:	A	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:	Direct on line
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 NP2138LUA												
CAT.NO.	EM2532T			P/N				ENCLOSURE	OPSB			
SPEC.	40E212X192		CC	010A		FRAME	324T		S/N			
HP	25			CLASS	F		HZ	60				
RPM	1180			PH	3		DES	A				
VOLT	230/460			KVA-CODE	J		ODE BRG	6309		DE BRG	6312	
AMP	68/34			USABLE AT 208V	70							
RATING	40C AMB-CONT			GREASE	POLYREX EM							
NEMA-NOM-EFF	93		PF	76		SER.F.	1.15					
HTR-VOLTS	50Hz 25Hp 190/380V 78/39A			HTR-AMPS		SF 1.0						

Parts List		
Part Number	Description	Quantity
SA204469	SA 40E212X192	1.000 EA
RA191715	RA 40E212X192	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
HA6017	CAST ADAPTER, 40,42 KOBX	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
WD1000B25	GND LUG, BURNDY L125HP OR T&B L125HP-BB	1.000 EA
19XW3118G08	.31-18X.50,HEX WSHR HD,TAPTITE 2,GREEN	1.000 EA
10CB3001	CONDUIT BOX CAST W/2.500 LEAD HOLE	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
40EP3200A02	STD FREP OPEN 309 BRG	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
40EP3201A01	PU ENDPLATE, MACH - OPEN - FOR 312 BRG	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
10CB3500SP	CONDUIT BOX LID, CAST	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW2501H33	KEY, 1/2 SQ X 3.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA3154A12	THRUBOLT STUD 3/8-16 X 21.00	4.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.030 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP2138LUA	ALUM SUPER-E UL CSA-EEV PREM CC (300SER)	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

AC Induction Motor Performance Data

Record # 81243

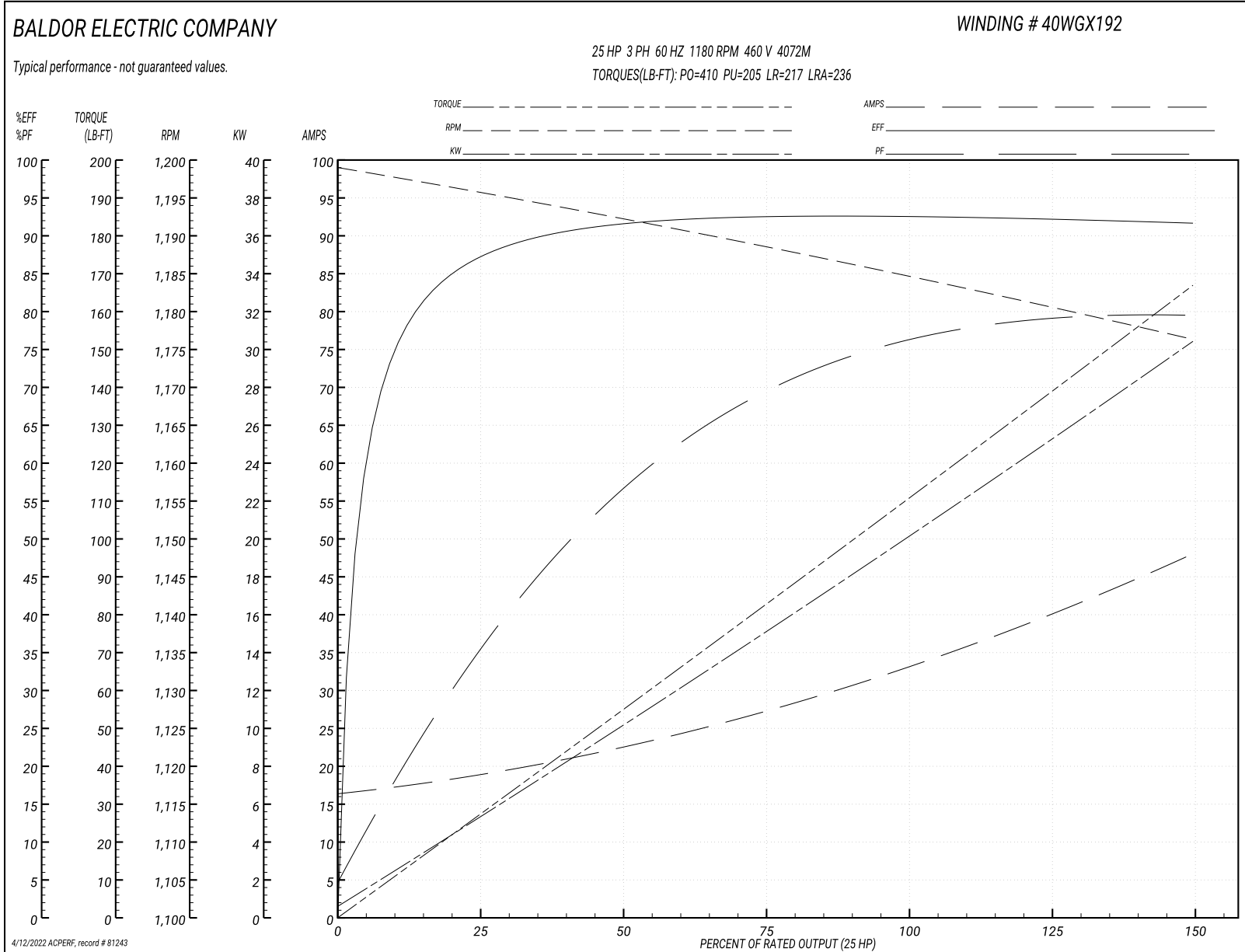
Typical performance - not guaranteed values

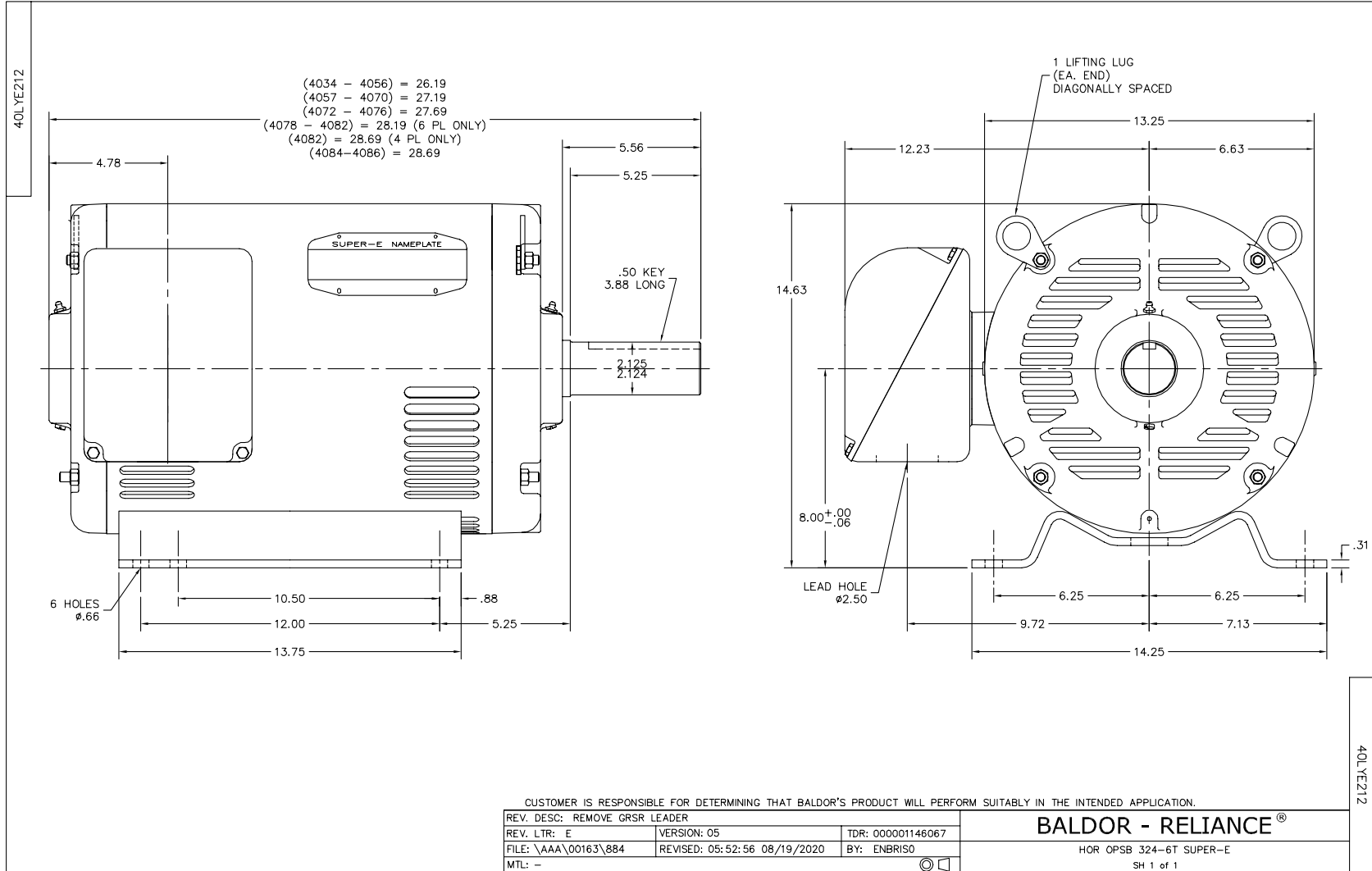
Winding: 40WGX192-R001		Type: 4072M		Enclosure: OPSB	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	25	Full Load Torque	111 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	68/34	Breakdown Torque	410 LB-FT		
R.P.M.	1180	Pull-up Torque	205 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	217 LB-FT	
NEMA Design Code	A KVA Code	J	Starting Current	236 A	
Service Factor (S.F.)	1.15		No-load Current	16.7 A	
NEMA Nom. Eff.	93 Power Factor	76	Line-line Res. @ 25°C	0.312 Ω	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	40°C	
S.F. Amps			Temp. Rise @ S.F. Load	48°C	
			Locked-rotor Power Factor	30.9	
			Rotor inertia	8.82 lb-ft ²	

Load Characteristics 460 V, 60 Hz, 25 HP

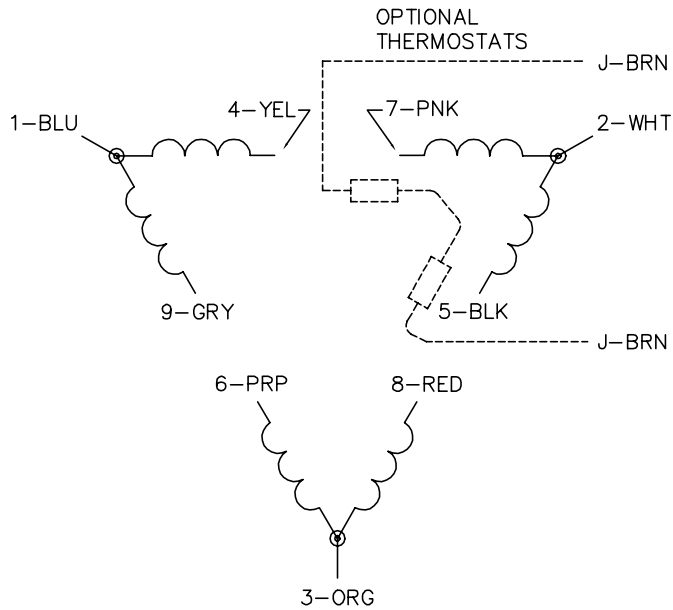
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	57	70	76	79	80	78
Efficiency	87	91.2	92.4	92.7	92.3	91.5	92.5
Speed	1196	1192	1188	1185	1181	1176	1183
Line amperes	18.5	22.3	27.4	33.5	40.3	47.8	37.6

Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values





CD0180



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)



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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIRO
MTL: -	© □	

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

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