

BALDOR® • **RELIANCE**

Product Information Packet

CEM2531T

25HP, 1760RPM, 3PH, 60HZ, 284TC, 4046M, OPSB, F

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Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4046M	Elec. Spec:	40WGW273	CD Diagram:	
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40D102	Layout:	
Frame:	284TC	Mounting:	F1	Poles:	04	Created Date:	07-29-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	11-09-2011
Leads:	9#10	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP2138L

CAT.NO.	CEM2531T	P/N		ENCLOSURE	OPSB		
SPEC.	40D102W273G2	CC	010A	FRAME	284TC	S/N	
HP	25	CLASS	B	HZ	60		
RPM	1760	PH	3	DES	B		
VOLT	230/460	KVA-CODE	G	ODE BRG	6309	DE BRG	6311
AMP	58/29	USABLE AT 208V					
RATING	40C AMB-CONT	GREASE	POLYREX EM				
NEMA-NOM-EFF	93.6	PF	86	SER.F.	1.15		
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.			

Parts List		
Part Number	Description	Quantity
SA200663	SA 40D102W273G2	1.000 EA
RA187974	RA 40D102W273G2	1.000 EA
S/P107-000-006	SUPER-E(284 FR. & UP)-ZK PLANT,POLYREX E	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
HA6017A01	CAST ADAPTOR	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
10CB3000SP	STD KO BOX MODEL 310,312,314 MTRS W/2.00	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
WD1000B16	KPA-4C BURNDY TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	1.000 EA
40EP3200A02	STD FREP OPEN 309 BRG	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
40EP1400A13	PU ENDPLATE, CFACE MACH W/O BAFFEL	1.000 EA
10XN3118K36	5/16-18 X 2.25" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 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
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
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 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	WILKO 689.710 GOLD PAINT SUPER E	0.070 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	4.000 EA
HA3154A03	STUD, 3/8-16 X 17.75	4.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 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)	1.000 SH
LC0181	CONNECTION LABEL	1.000 EA
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

Performance Data at 460V, 60Hz, 25.0HP (Typical performance - Not guaranteed values)

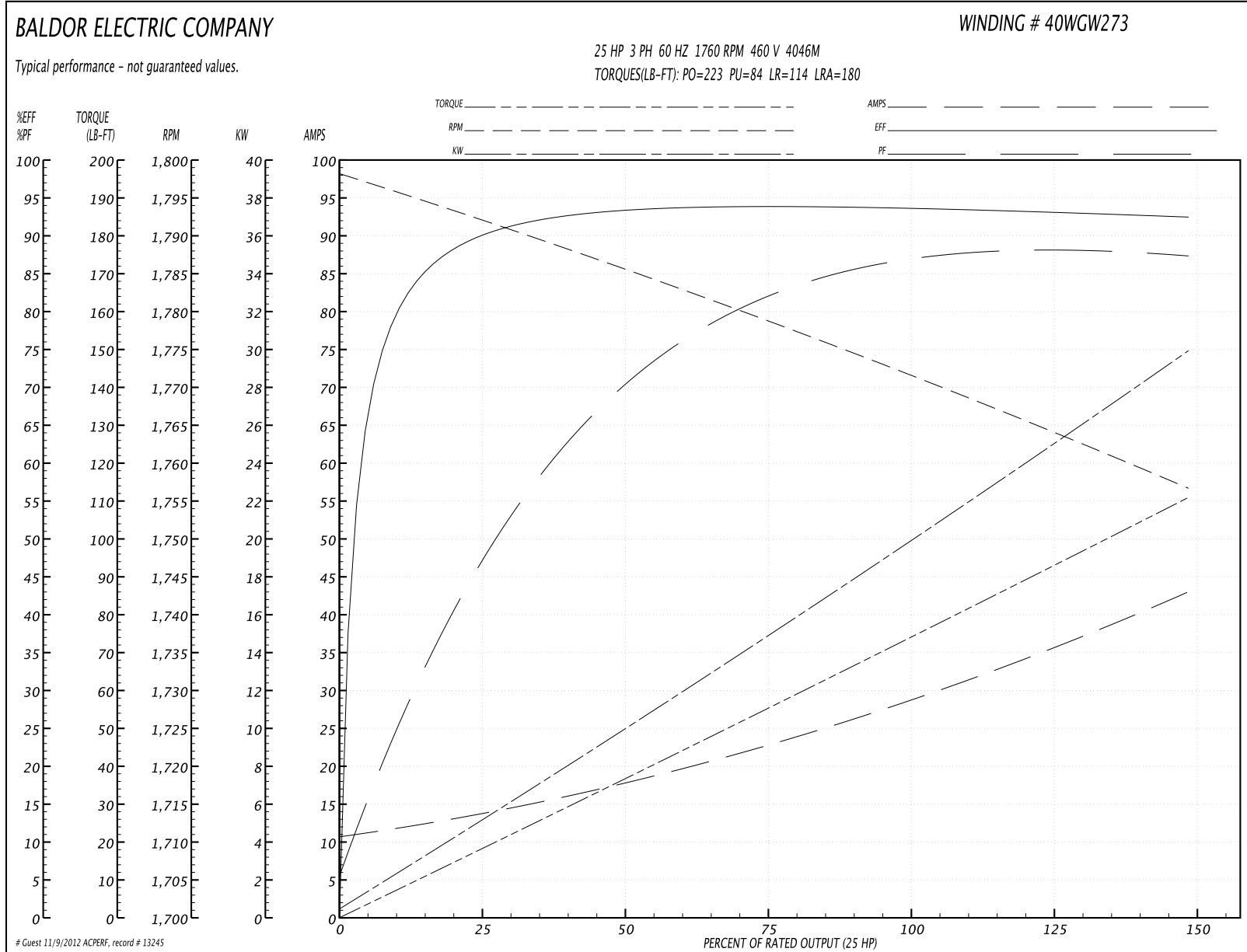
General Characteristics

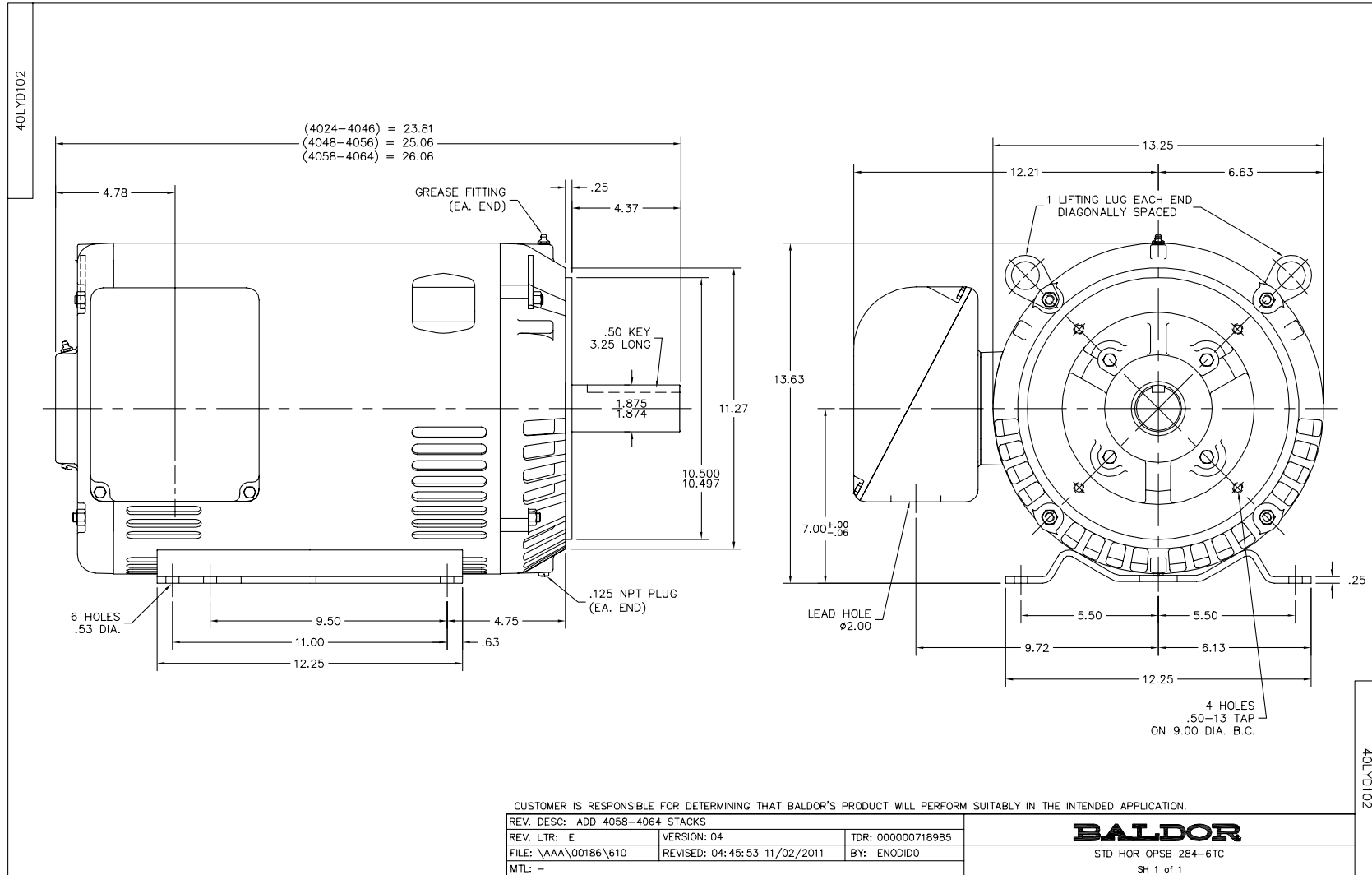
Full Load Torque:	74.0 LB-FT	Start Configuration:	DOL
No-Load Current:	11.2 Amps	Break-Down Torque:	223.0 LB-FT
Line-line Res. @ 25°C.:	0.301 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	84.0 LB-FT
Temp. Rise @ Rated Load:	33 C	Locked-Rotor Torque:	114.0 LB-FT
Temp. Rise @ S.F. Load:	40 C	Starting Current:	180.0 Amps

Load Characteristics

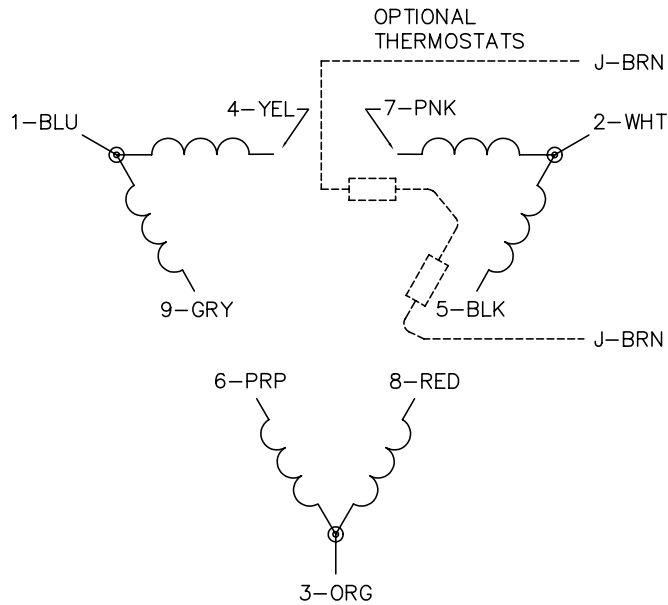
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	50.0	72.0	82.0	86.0	88.0	88.0	87.0
Efficiency:	89.7	93.2	93.9	93.7	93.2	92.4	93.4
Speed:	1791.0	1785.0	1779.0	1772.0	1765.0	1756.0	1768.0
Line Amperes:	13.1	17.6	23.0	29.1	35.7	42.7	33.06

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

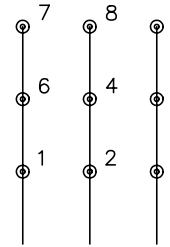




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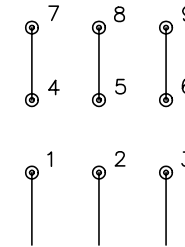


LOW VOLTAGE
(2D)



LINE

HIGH VOLTAGE
(1D)



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: C	BY: JLP	REVISED: 01/21/99 2:28	TDR: 0171435
0810D0		FILE: AAA00005148	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS, DELTA CONNECTION

CD0180