

CTD-EM4312T 50HP Motor



Product Detail

Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod Type:	1474M	Elec. Spec:	14WGW600	CD Diagram:	CD0005
Enclosure	TEFC	Mfg Plant:		Mech Spec:	14C51	Layout:	14LYC051
Frame:	365T	Mounting:	F1	Poles:	06	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	07-05-2006
Leads:	9#6	Literature:		Elec. Diagram:		Replaced By:	

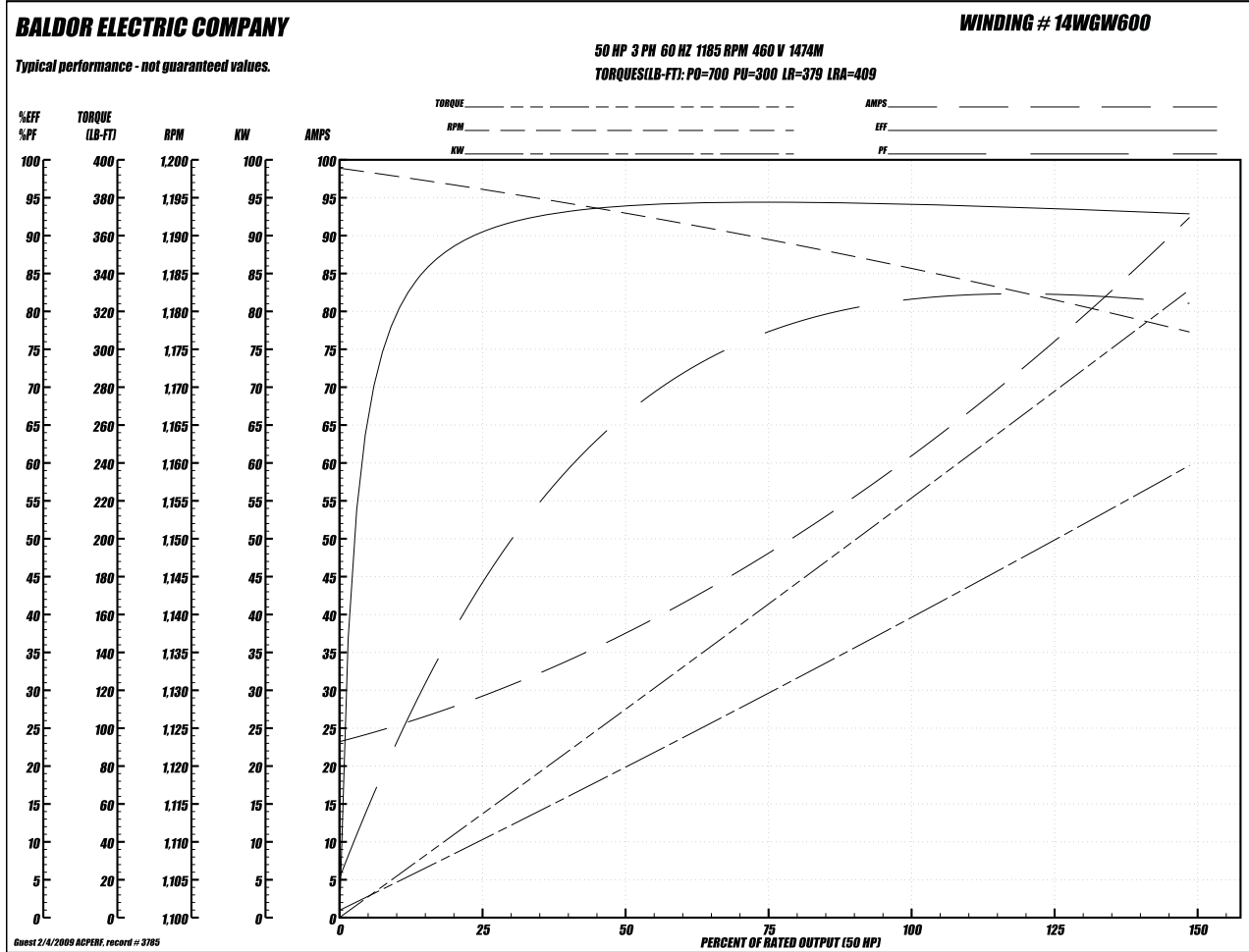
Nameplate NP1259L

CAT.NO.	EM4312T						
SPEC.	14C051W600G1						
HP	50						
VOLTS	230/460						
AMP	122/61						
RPM	1185						
FRAME	365T	HZ	60	PH	3		
SER.F.	1.15	CODE	H	DES	B	CL	F
NEMA-NOM-EFF	94.1	PF	81				
RATING	40C AMB-CONT						
CC	010A	USABLE AT 208V	130				
DE	6313	ODE	6312				
ENCL	TEFC	SN					

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	MODEL NO.:									
	DWG NAME:									
	DRAWING NUMBER:	JOB NUMBER:	SHEET	REV:						
	SCALE:	NO SCALE	COMMENTS:							

CTD-EM4312T 50HP Motor

Performance Graph at 460V, 60Hz, 50.0HP (Typical performance - Not guaranteed values)



Performance Data at 460V, 60Hz, 50.0HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:	221.0 LB-FT			Start Configuration:	DOL		
No-Load Current:	24.0 Amps			Break-Down Torque:	700.0 LB-FT		
Line-line Res. @ 25°C.:	0.114 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	300.0 LB-FT		
Temp. Rise @ Rated Load:	51°C			Locked-Rotor Torque:	379.0 LB-FT		
Temp. Rise @ S.F. Load:	63°C			Starting Current:	409.0 Amps		
Load Characteristics							
% of Rated Load:	25	50	75	100	125	150	S.F.
Power Factor:	46.0	67.0	77.0	81.0	82.0	82.0	82.0
Efficiency:	90.5	93.8	94.3	94.2	93.7	92.8	93.9
Speed:	1196.0	1193.0	1189.0	1186.0	1182.0	1177.0	1183.0
Line Amperes:	28.23	37.14	48.55	61.2	76.1	91.88	70.14



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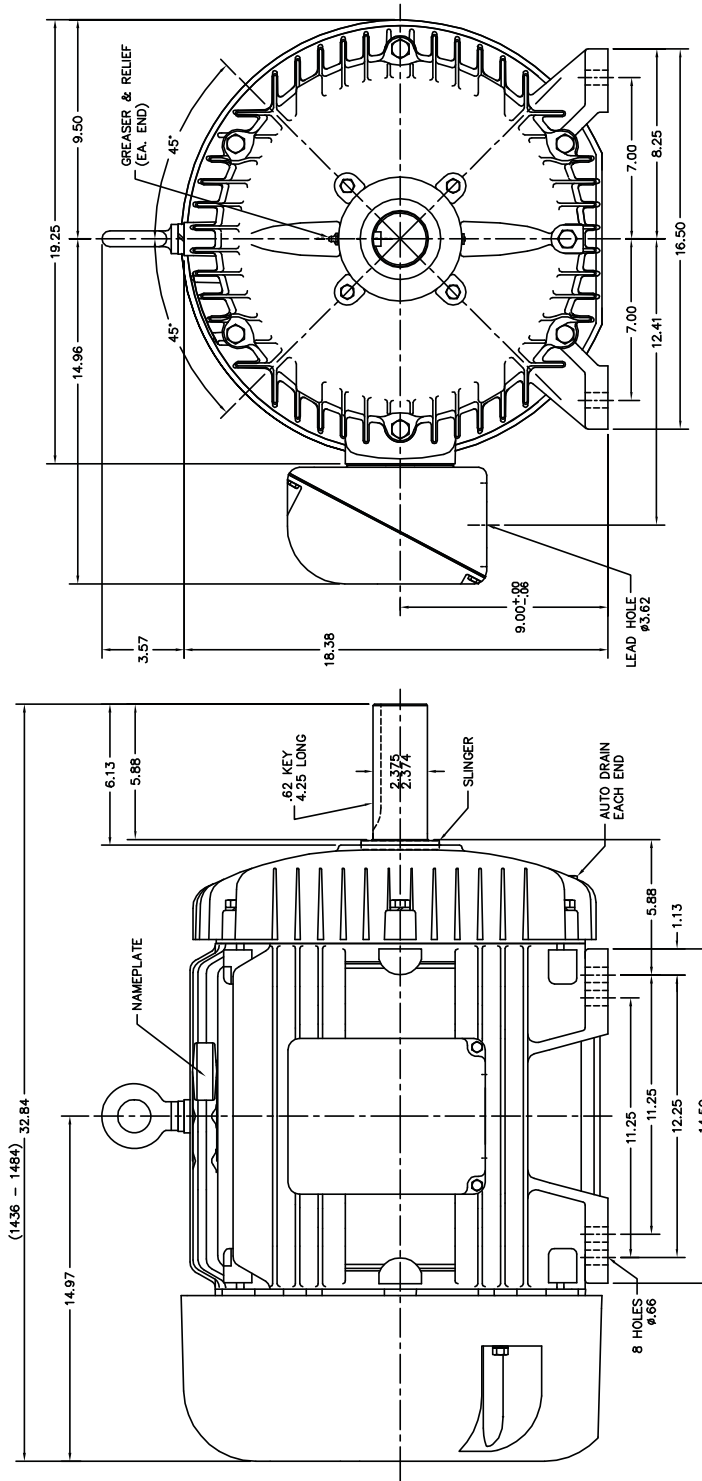
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REVISIONS					
REV.	DESCRIPTION	DESIGNED BY:	CHECKED BY:	APPROVED BY:	DATE:
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1					
2					
3					
4					

COOLING TOWER DEPOT, INC
CORPORATE CIRCLE
GOLDEN, CO 80401
720-746-1234

JOB NUMBER:
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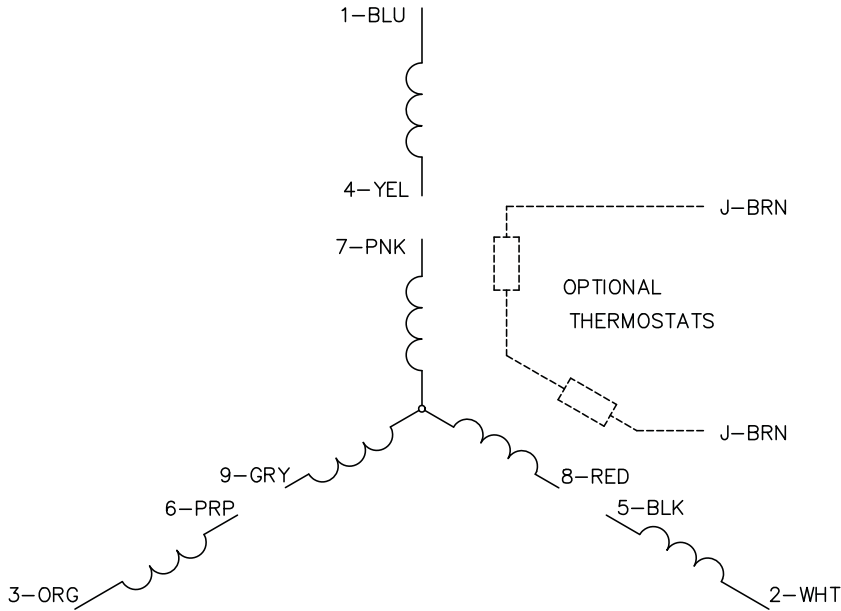
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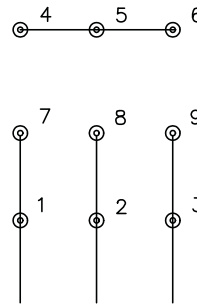
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CORPORATE CIRCLE
GOLDEN, CO 80401
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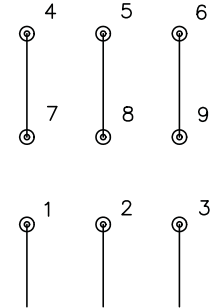


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



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.

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