

## CTD-CM4103T 25HP Motor



### Product Detail

Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod Type:	0956M	Elec. Spec:	09WGX998	CD Diagram:	CD0005
Enclosure	TEFC	Mfg Plant:		Mech Spec:	09F439	Layout:	09LYF439
Frame:	284TC	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-22-2008
Leads:	9#10	Literature:		Elec. Diagram:		Replaced By:	

### Nameplate NP1256L

CAT.NO.	CM4103T						
SPEC.	09F439X998H1						
HP	25						
VOLTS	230/460						
AMP	58/29						
RPM	1760						
FRAME	284TC	HZ	60	PH	3		
SER.F.	1.15	CODE	H	DES	B	CLASS	F
NEMA-NOM-EFF	92.4	PF	84				
RATING	40C AMB-CONT						
CC	010A	USABLE AT 208V	63				
DE	6311	ODE	6208				
ENCL	TEFC	SN					



PROJECT NAME AND LOCATION: \_\_\_\_\_  
 MODEL NO.: \_\_\_\_\_  
 DWG NAME: \_\_\_\_\_  
 DRAWING NUMBER: A-100    JOB NUMBER: \_\_\_\_\_    SHEET: 1 of 1    REV: 0  
 SCALE: NO SCALE    COMMENTS: \_\_\_\_\_

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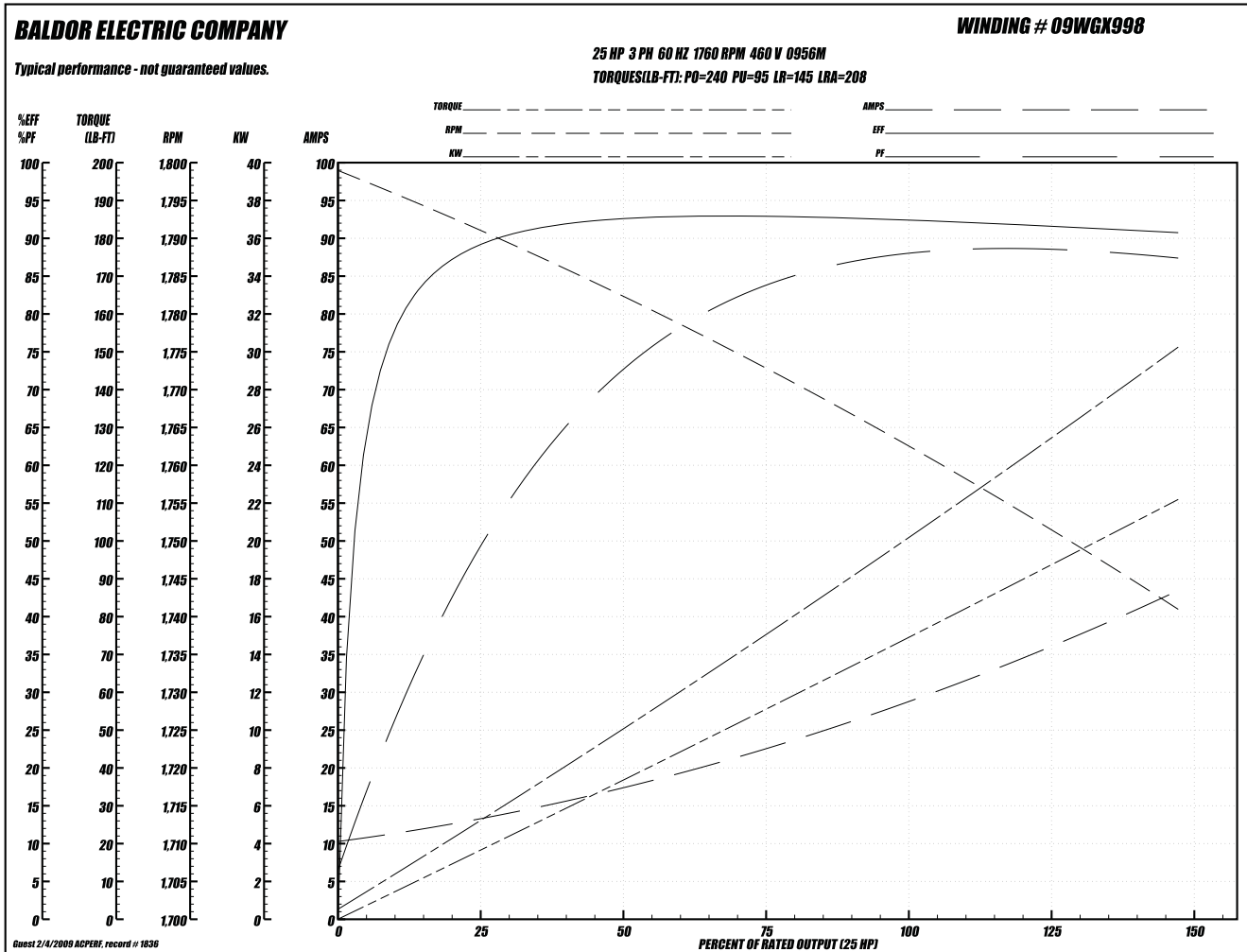
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COOLING TOWER DEPOT, INC  
 651 CORPORATE CIRCLE, STE. 206  
 GOLDEN, CO 80401  
 720-746-1234

DWG NUMBER: A-100  
 SHEET: 1 of 1  
 SCALE: NO SCALE

## CTD-CM4103T 25HP Motor

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



### 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:	10.8 Amps			Break-Down Torque:	240.0 LB-FT		
Line-line Res. @ 25°C.:	0.312 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	95.0 LB-FT		
Temp. Rise @ Rated Load:	72°C			Locked-Rotor Torque:	145.0 LB-FT		
Temp. Rise @ S.F. Load:	89°C			Starting Current:	208.0 Amps		
Load Characteristics							
% of Rated Load:	25	50	75	100	125	150	S.F.
Power Factor:	52.0	75.0	83.0	87.0	88.0	88.0	88.0
Efficiency:	89.0	92.5	92.9	92.5	91.7	90.7	92.0
Speed:	1791.0	1782.0	1773.0	1763.0	1752.0	1741.0	1756.0
Line Amperes:	12.7	17.0	22.7	29.0	36.0	43.0	33.2



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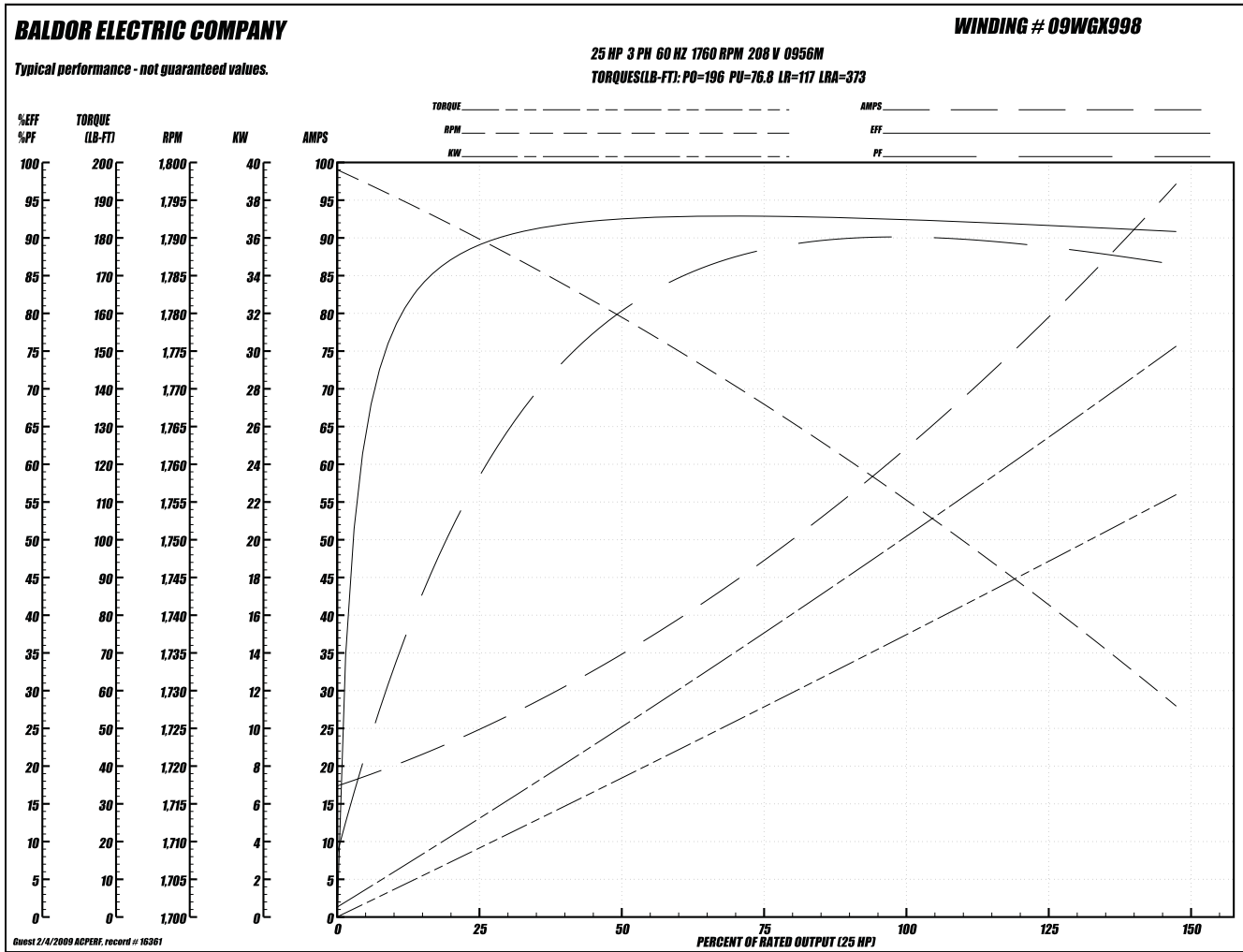
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## CTD-CM4103T 25HP Motor

Performance Graph at 208V, 60Hz, 25.0HP (Typical performance - Not guaranteed values)



### Performance Data at 208V, 60Hz, 25.0HP (Typical performance - Not guaranteed values)

#### General Characteristics

Full Load Torque:	74.3 LB-FT	Start Configuration:	DOL
No-Load Current:	18.5 Amps	Break-Down Torque:	196.0 LB-FT
Line-line Res. @ 25°C.:	0.077 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	76.8 LB-FT
Temp. Rise @ Rated Load:	72°C	Locked-Rotor Torque:	117.0 LB-FT
Temp. Rise @ S.F. Load:	83°C	Starting Current:	373.0 Amps

#### Load Characteristics

	25	50	75	100	125	150	S.F.
Power Factor:	62.0	82.0	88.0	89.0	88.0	87.0	88.0
Efficiency:	89.0	92.3	93.0	92.5	91.7	90.8	92.0
Speed:	1790.0	1779.0	1768.0	1756.0	1742.0	1728.0	1748.0
Line Amperes:	23.5	34.1	47.7	62.5	79.1	96.3	72.5



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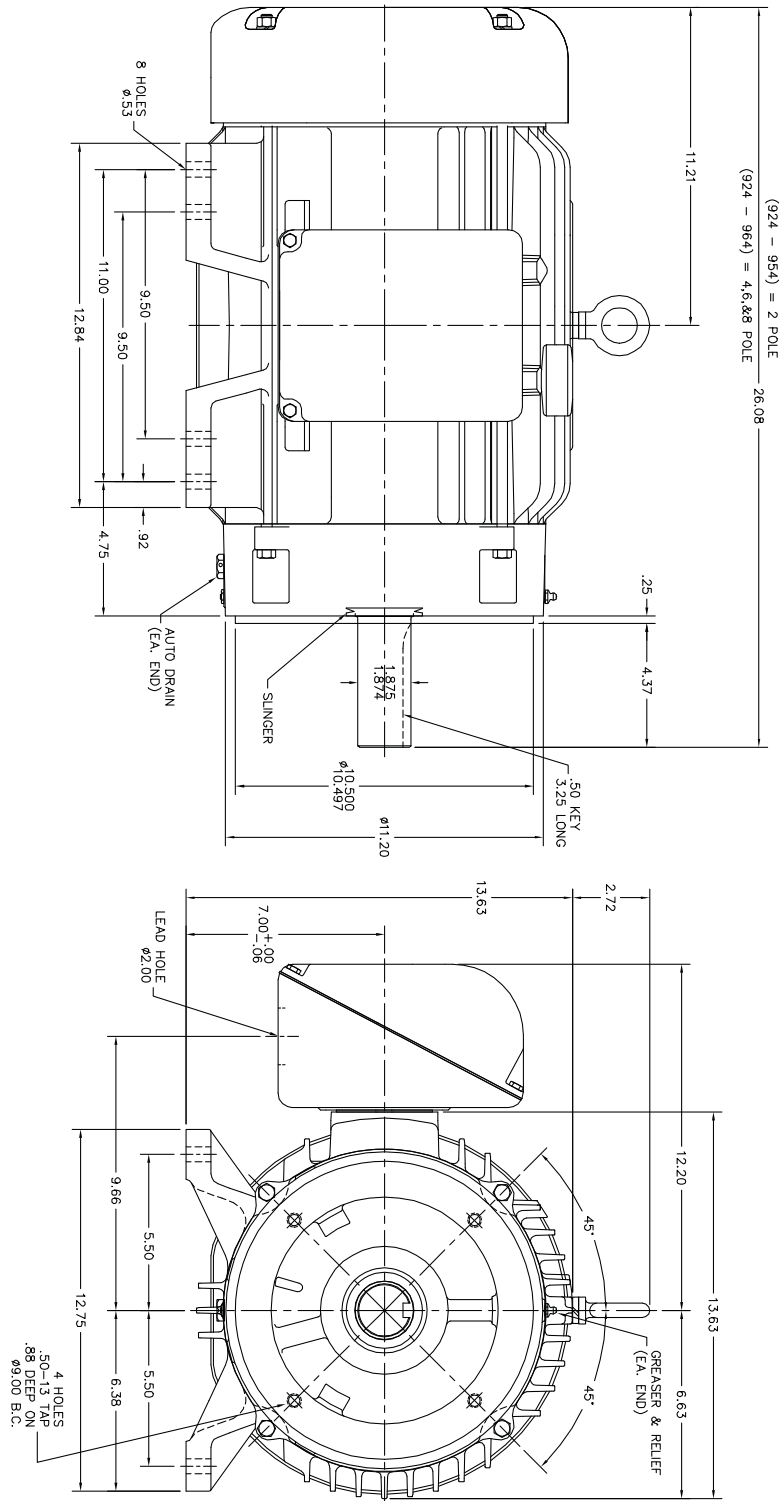
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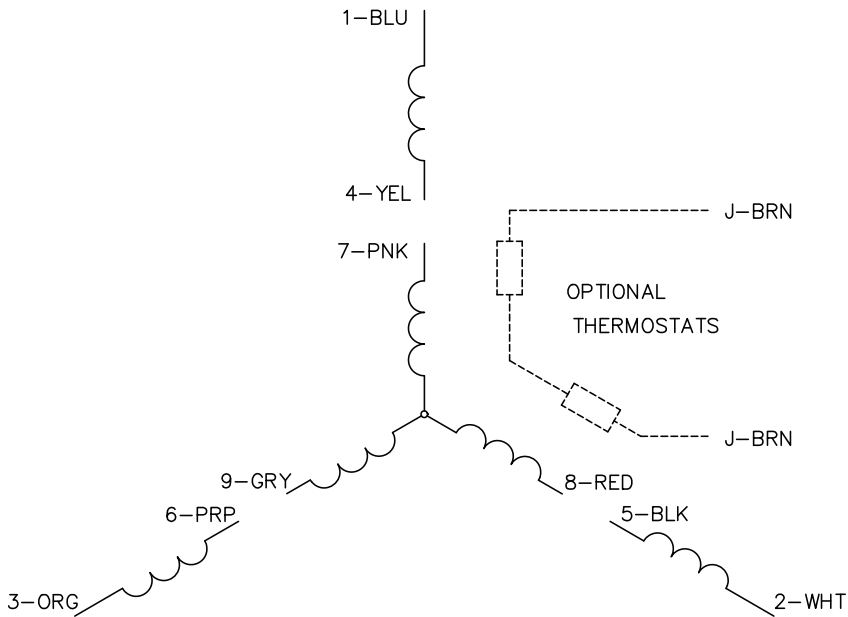
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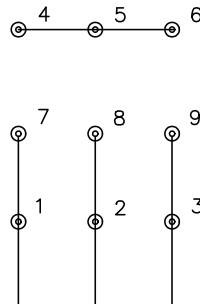
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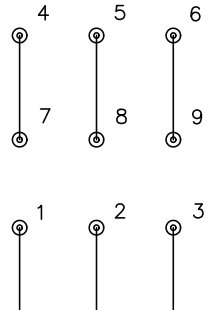


LOW VOLTAGE (2Y)



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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