

BALDOR® • RELIANCE

Product Information Packet

CM4103T

25HP,1760RPM,3PH,60HZ,284TC,0956M,TEFC

Part Detail							
Revision:	T	Status:	INA/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:	10-23-2009
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

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								

Parts List		
Part Number	Description	Quantity
SA075720	SA 09F439X998H1	1.000 EA
RA069356	RA 09F439X998H1	1.000 EA
S/P101-000-004	EPACT PROC-CL, 280FR & UP,LARGE BOX,POLY	1.000 EA
10CB3000SP	STD KO BOX MODEL 310,312,314 MTRS W/2.00	1.000 EA
12GS1000	GASKET	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	1.000 EA
09EP1100A14SP	ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
09EP1310A08	SPL FACE MTD EP 284-6TC 309 ENCL 311 BRG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4600B40	V-RING SLINGER 2.000 X 2.680 X 0.280	1.000 EA
HA3113A15	THRUBOLT 3/8-16 X 18.875 W/3.50 THD LENG	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
09FH4000SP	FAN COVER, STAMPED	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA2081A05	SPACER TUBE, 309 FAN HSG, 2.00 LONG	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
10CB3500	CONDUIT BOX LID, CAST	1.000 EA
10GS1000	GASKET, CONDUIT BOX LID	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HW4500A05	1669B ALEM/UNIV860 GR FTG X	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4001A01SP	DRAIN PLUG, PLASTIC (MICRO PLAS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4001A01SP	DRAIN PLUG, PLASTIC (MICRO PLAS)	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.050 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
LB5040	INSTRUCT TAG, REPL W/MN416 OR MN416A01	1.000 EA
09FN3001C01SP	EXTERNAL FAN, PLASTIC	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	4.000 EA
LC0005E02	SPL CONN.DIA./WARN.LABEL(LC0005/LB1119)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
10PA1000	PACKAGING GROUP COMBINED PRINT PK1023A06	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 1836 - Typical performance - not guaranteed values

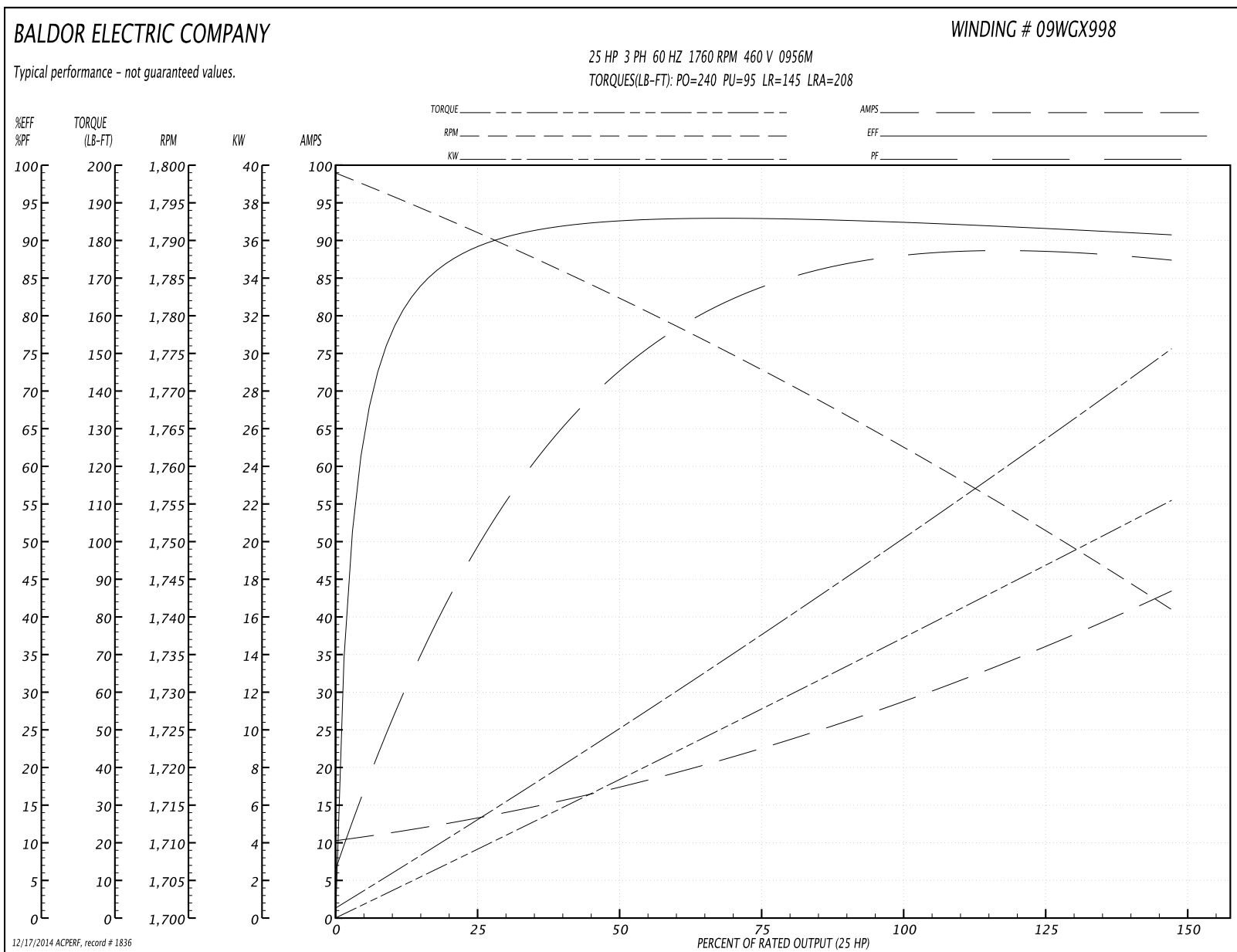
Winding: 09WGX998-R001	Type: 0956M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	25			Full Load Torque	74 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	58/29			Breakdown Torque	240 LB-FT
R.P.M.	1760			Pull-up Torque	95 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	145 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	208 A
Service Factor (S.F.)	1.15			No-load Current	10.8 A
NEMA Nom. Eff.	92.4	Power Factor	84	Line-line Res. @ 25°C	0.312 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	72°C
S.F. Amps				Temp. Rise @ S.F. Load	89°C
				Rotor inertia	2.45 LF ²

Load Characteristics 460 V, 60 Hz, 25 HP

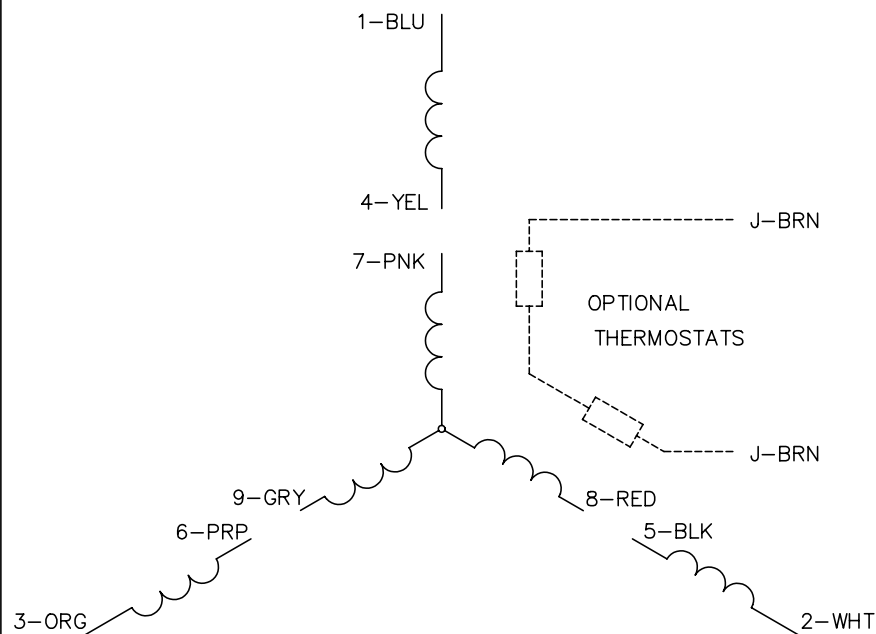
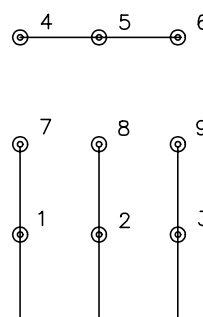
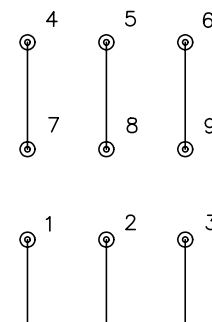
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	52	75	83	87	88	88	88
Efficiency	89	92.5	92.9	92.5	91.7	90.7	92
Speed	1791	1782	1773	1763	1752	1741	1756
Line amperes	12.7	17	22.7	29	36	43	33.2

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





CD0005


 LOW VOLTAGE
(2Y)

 HIGH VOLTAGE
(1Y)


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: E BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005