

BALDOR® • RELIANCE

Product Information Packet

CEWDM23934T-5

20HP,1765RPM,3PH,60HZ,256TC,3952M,TEFC,F

Part Detail							
Revision:	AF	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3952M	Elec. Spec:	39WGX438	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	39R098	Layout:	39LYR098
Frame:	256TC	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-16-2017
Leads:	3#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1669E

CAT.NO.	CEWDM23934T-5										
SPEC.	39R098X438G1										
HP	20										
VOLTS	575										
AMP	19										
RPM	1765										
FRAME	256TC					HZ	60		PH	3	
SER.F.	1.15					CODE	H	DES	B	CLASS	F
NEMA-NOM-EFF	93					PF	84				
RATING	40C AMB-CONT										
CC	010A					USABLE AT 208V					
DE	6309					ODE	6208				
ENCL	TEFC					SN					
BLANK											

Parts List		
Part Number	Description	Quantity
SA115919	SA 39R098X438G1	1.000 EA
RA106935	RA 39R098X438G1	1.000 EA
S/P107-000-005	SUPER-E PROC'S(254/6 FR.) ZK PLANT - POL	1.000 EA
MJ5002A01	SILICON RUBBER SEALANT, 732CL 10.3 OZ TU	0.025 EA
09GS1017	GASKET, CONDUIT BOX, .125 THICK BLACK NE	1.000 EA
HA6016WP	ADAPTER, CONDUIT BOX, W/WHITE EPOXY, PRIM	1.000 EA
09GS1006	GASKET, CONDUIT BOX, NEOP-1/16 THICK-BLA	1.000 EA
09CB3002A01P	CB MACH - 1.25 N.P.T. LEAD HOLE W/EPOXY	1.000 EA
19XW2520A16	SCREW,1/4-20X1 TAPTITE-II OR ROLOC 91	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
39EP1100A08WP	FR ENDPLATE, MACH W/WHITE EPOXY, PRIMED	1.000 EA
HW5100A08	W3118-035 WVVY WSHR (WB)	1.000 EA
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 EA
HW2502G25	#303 SS,SQ KEY 3/8 X 2.880	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.031 QT
39EP1500A04P	PU ENDPLATE, MACH W/EPOXY PRIMER	1.000 EA
HW4600B53	SEAL 1.688 X 2.275 X 0.312 SINGLE LIP DB	1.000 EA
10XN2520S28	1/4-20X 1 3/4 HEX HD SS X	4.000 EA
HA3154S02	THRUBOLT STUD 3/8-16 X 15.875 SS	4.000 EA
XY3816S12	3/8-16 HEX FINISHED NUT SS	8.000 EA
HA2101A05	SS SPACER,SCH 40,.25" SS PIPE,.625" LONG	3.000 EA
09FH4000A23MWP	FAN COVER, MACH W/WHITE EPOXY	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10XN2520S16	41/4-20 X 1 HEX HEAD SS	3.000 EA
09CB3501P	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
12GS1002	GASKET, CONDUIT BOX LID, NEOP	1.000 EA
19XT2520S12	1/4-20X3/4 HWH NO SLOT TY.23 18-8 S.S.	2.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	2.000 EA
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.085 LB
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
09FN3001D01	EXTERNAL FAN, PLASTIC	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025W01	WILKOFASST, 781.01, SIGNAL WHITE #9003	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP1669E	SS WD SUPER-E UL CSA CC REV MTG	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

AC Induction Motor Performance Data

Record # 25746 - Typical performance - not guaranteed values

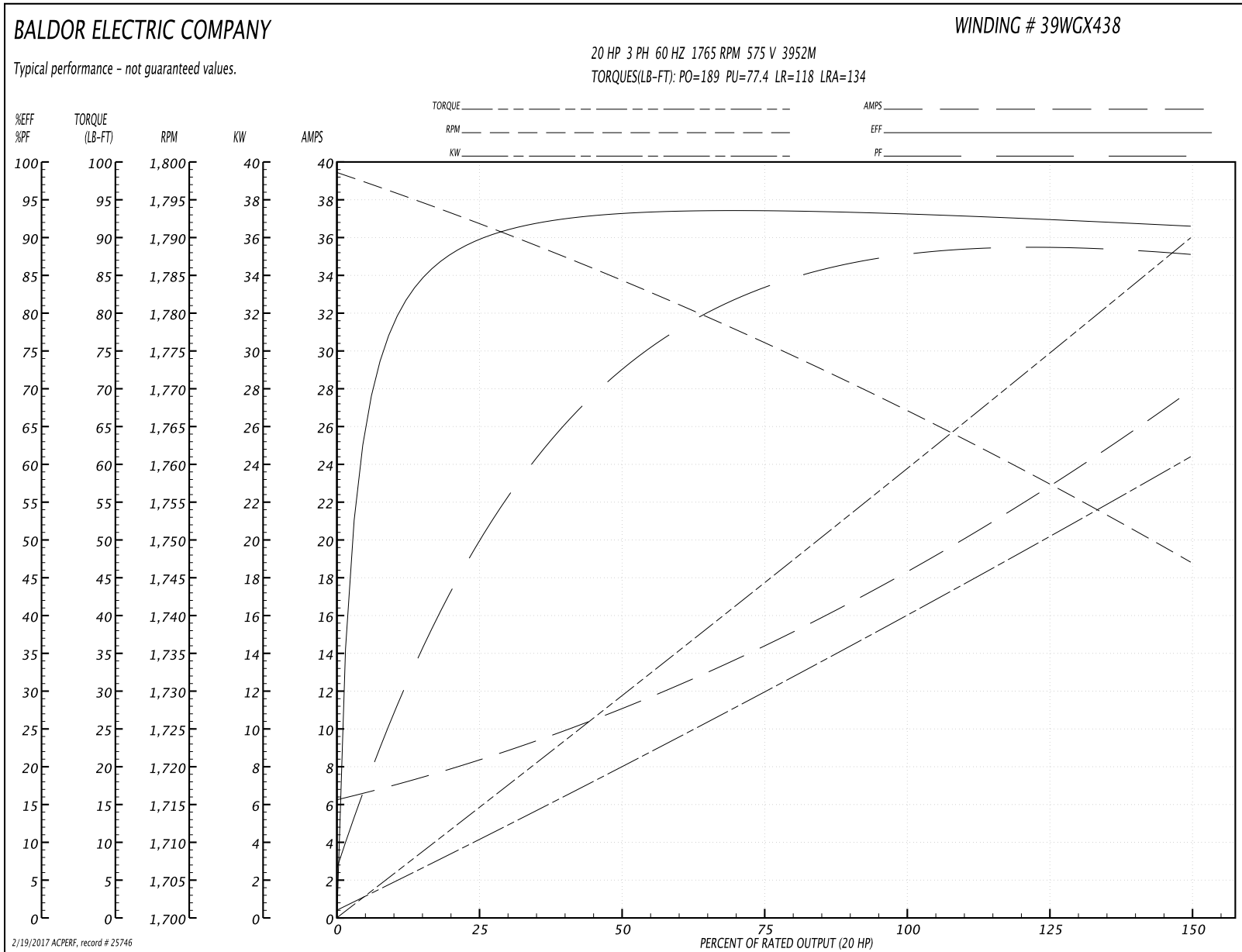
Winding: 39WGX438-R001	Type: 3952M	Enclosure: TEFC
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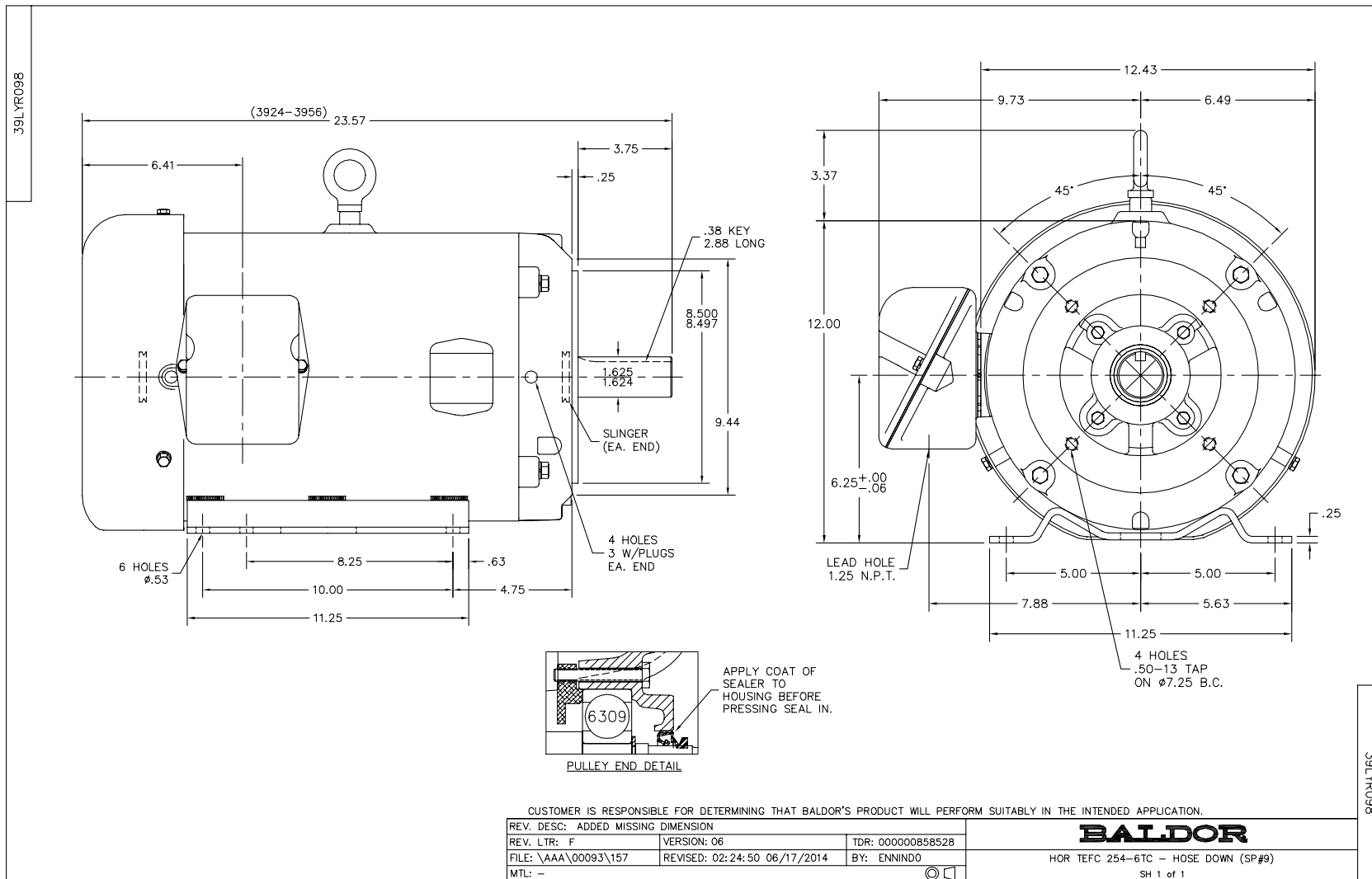
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	20			Full Load Torque	60 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	19			Breakdown Torque	189 LB-FT
R.P.M.	1765			Pull-up Torque	77.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	118 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	134 A
Service Factor (S.F.)	1.15			No-load Current	6.62 A
NEMA Nom. Eff.	93	Power Factor	84	Line-line Res. @ 25°C	0.668 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	71°C
S.F. Amps				Temp. Rise @ S.F. Load	87°C
				Locked-rotor Power Factor	33
				Rotor inertia	2.27 LB-FT ²

Load Characteristics 575 V, 60 Hz, 20 HP

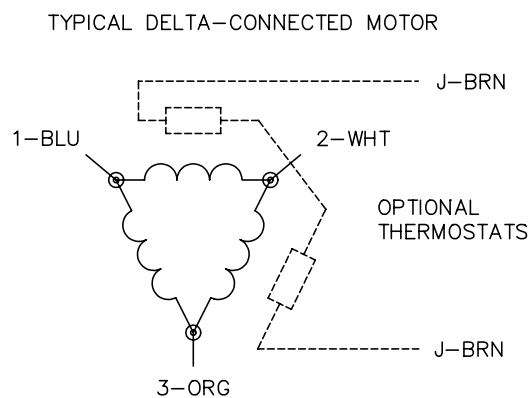
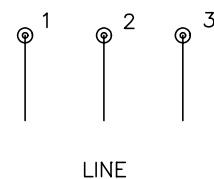
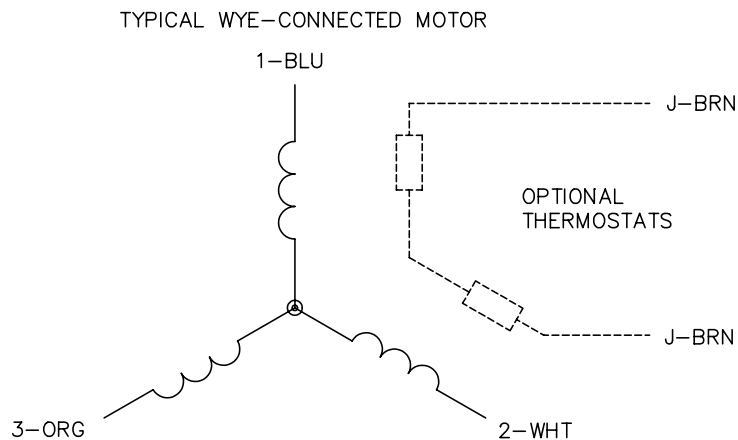
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	54	75	83	85	89	89	87
Efficiency	89.7	93	93.5	93.2	92.4	91.4	92.7
Speed	1791	1784	1776	1767	1757	1747	1761
Line amperes	7.97	10.9	14.6	19	23	27.7	21.4

Performance Graph at 575V, 60Hz, 20.0HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006