

BALDOR® • RELIANCE 

Product Information Packet

CSSEWDM22976T

7.5HP,1180RPM,3PH,60HZ,254TC,3954M,TEFC

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3954M	Elec. Spec:	39WGX429	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	39E119	Layout:	39LYE119
Frame:	254TC	Mounting:	F1	Poles:	06	Created Date:	01-21-2016
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	10-12-2016
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1953D01

CAT.NO.	CSSEWDM22976T									
SPEC.	39E119X429G1									
HP	7.5									
VOLTS	230/460									
AMP	21.4/10.7									
RPM	1180									
FRAME	254TC					HZ		60		
SER.F.	1.15				CODE	J	DES		A	
NEMA-NOM-EFF	91				PF	71				
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					22.5
DE	6309				ODE	6208				
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA314051	SA 39E119X429G1	1.000 EA
RA301526	RA 39E119X429G1	1.000 EA
09FN3001D01	EXTERNAL FAN, PLASTIC	1.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
39EP1901A01	S.S. FR ENDPLATE, MACH	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
HW4606A16	PROTECH/SEAL (WDE-1575-2125-BG38)	1.000 EA
39EP1903A01	S.S. C-FACE PU ENDPLATE, MACH	1.000 EA
10XN2520S28	1/4-20X 1 3/4 HEX HD SS X	4.000 EA
HW4606A15	PROTECH/SEAL (WDE-1688-2250-BG37)	1.000 EA
XY3816S12	3/8-16 HEX FINISHED NUT SS	8.000 EA
09FH4014A01	304 S.S. FAN COVER & GRILL W/#4 FINISH	1.000 EA
10XN2520S08	SCREW, 1/4-20 X 1/2 HHCS SS	3.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	3.000 EA
09CB1505A01	S.S. LIPPED KOBX LID	1.000 EA
12GS1002	GASKET, CONDUIT BOX LID, NEOP	1.000 EA
10XN3118S12	5/16-18 X 3/4 HEX HEAD CAP, STAINLESS ST	2.000 EA
HW1001S31	WASHER, 5/16 SPLT LK, STAINLESS STEEL	2.000 EA
HW2502G25	#303 SS,SQ KEY 3/8 X 2.880	1.000 EA
MJ5002A01	SILICON RUBBER SEALANT, 732CL 10.3 OZ TU	0.031 EA
MJ5002A02	NON-CORROSIVE SILICONE, DOW 748, 10.3 OZ	0.031 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.030 LB
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HA3154S06	THRUBOLT STUD 3/8-16 X 16.875 SS	4.000 EA
HW2500S25	USA#1008-WOODRUFF KEY#B STAINLESS:	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
39PA1000	PACKAGING GROUP 39 PRINT	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 54940 - Typical performance - not guaranteed values

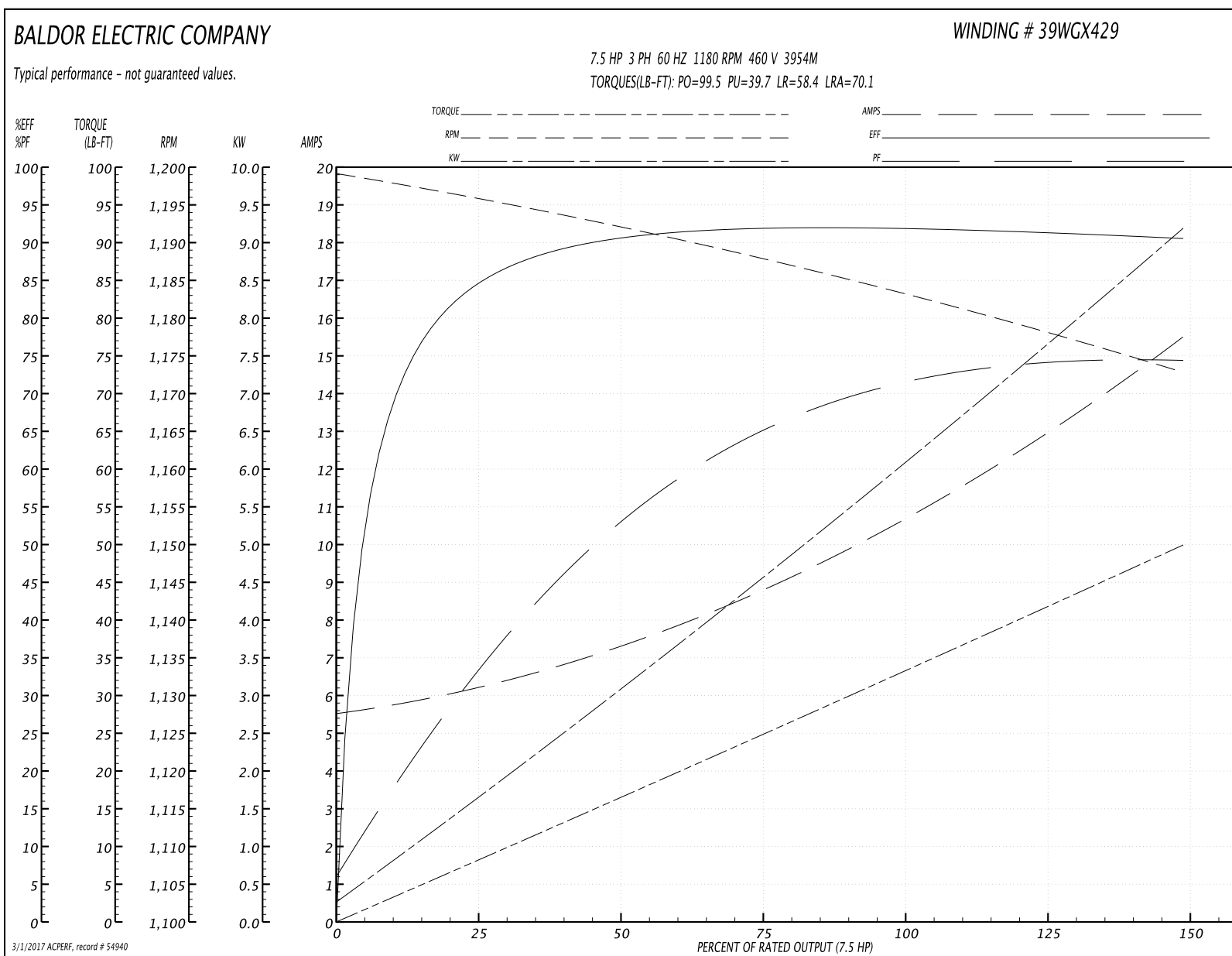
Winding: 39WGX429-R006	Type: 3954M	Enclosure: TEFC
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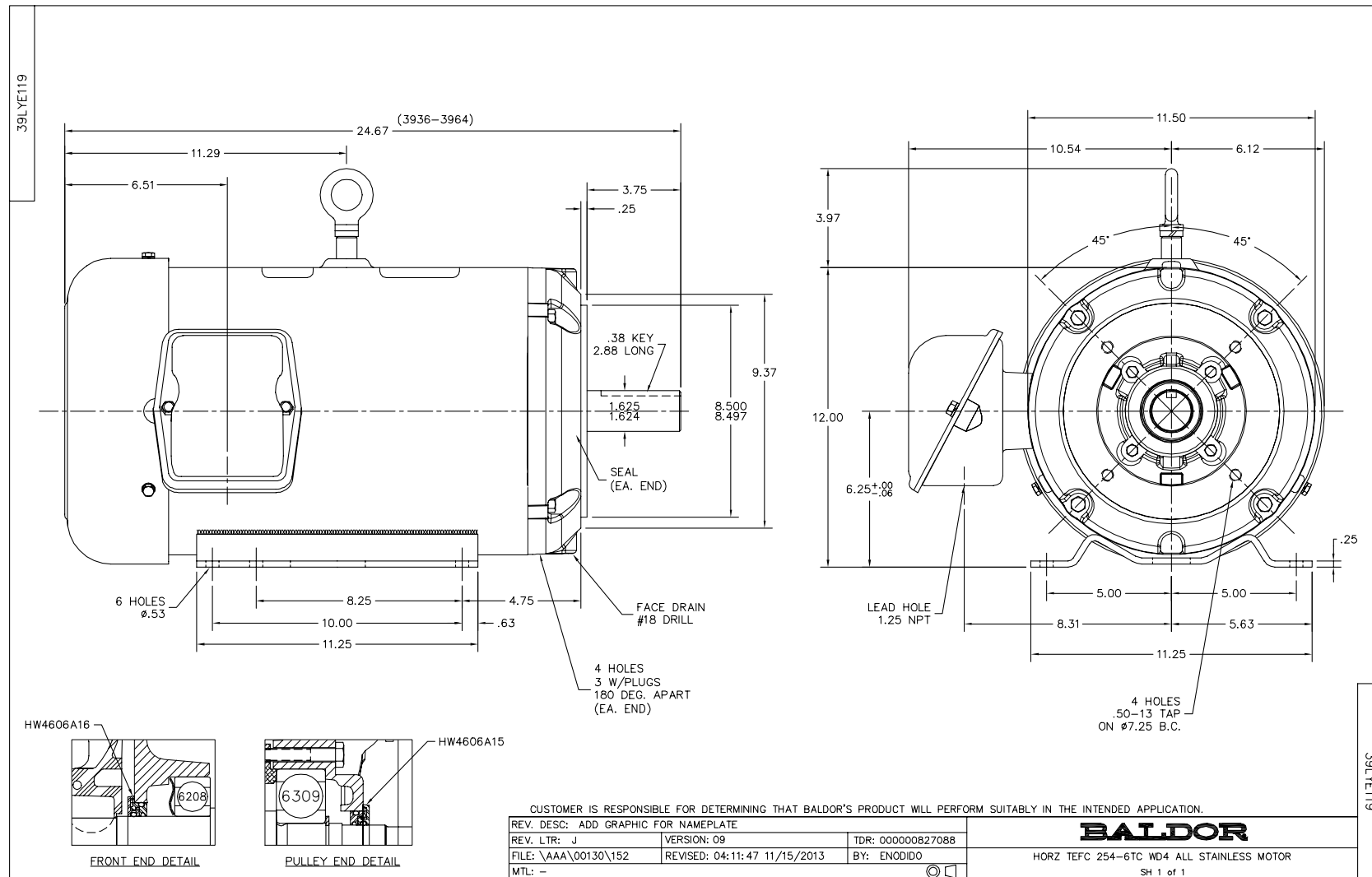
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	33.3 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	21.4/10.7			Breakdown Torque	99.5 LB-FT
R.P.M.	1180			Pull-up Torque	39.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	58.4 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	70.1 A
Service Factor (S.F.)	1.15			No-load Current	5.52 A
NEMA Nom. Eff.	91	Power Factor	71	Line-line Res. @ 25°C	0.895 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	51°C
S.F. Amps				Temp. Rise @ S.F. Load	61°C
				Locked-rotor Power Factor	25.8
				Rotor inertia	4.34 LB-FT ²

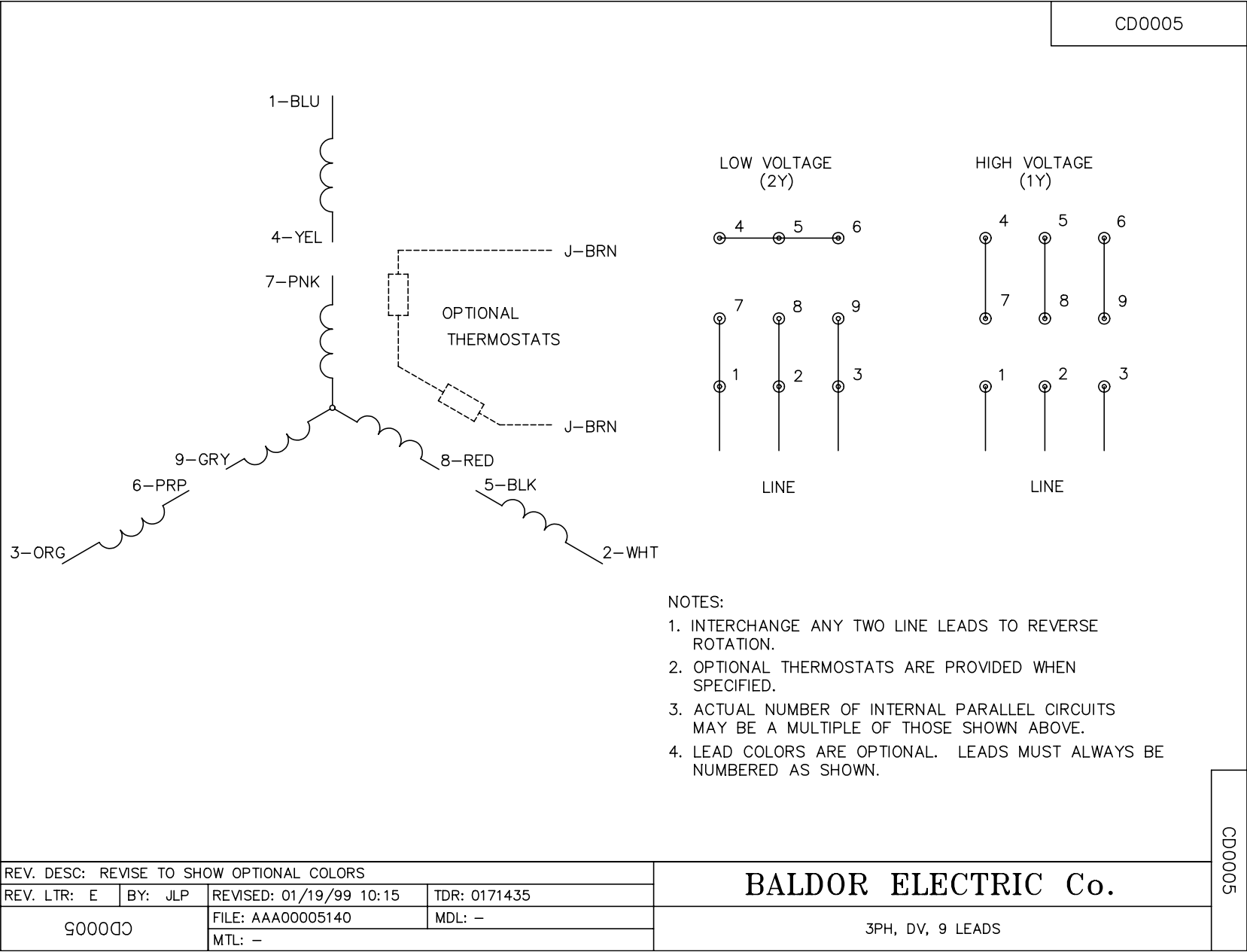
Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	65	71	74	75	73
Efficiency	84.9	90.6	91.8	91.5	91.4	90.5	91.6
Speed	1196	1192	1188	1183	1178	1173	1180
Line amperes	6.25	7.28	8.82	10.72	12.91	15.5	12.03

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values







Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>