

BALDOR® • RELIANCE 

Product Information Packet

CESSWDM3554T

1.5HP, 1760RPM, 3PH, 60HZ, 145TC, 3528M, TEFC

Part Detail							
Revision:	V	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGM669	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35VV818	Layout:	35LYVV818	Poles:	04	Created Date:	02-15-2010
Base:	RG	Eff. Date:	10-05-2017	Leads:	9#18		

Specs			
Catalog Number:	CESSWDM3554T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	145TC	KVA Code:	L
Frame Material:	Stainless Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3528M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	74
	UR	Product Family:	Wash Down All Stainless Steel
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	2.100 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding

	4.200 A @ 230.0 V	Shaft Rotation:	Reversible
	4.400 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1951A01											
CAT.NO.	CESSWDM3554T										
SPEC.	35VV818M669G1										
HP	1.5										
VOLTS	230/460										
AMP	4.2/2.1										
RPM	1760										
FRAME	145TC					HZ	60			PH	3
SER.F.	1.15			CODE	L		DES	B		CLASS	F
NEMA-NOM-EFF	87.5				PF	74					
RATING	40C AMB-CONT										
CC	010A					USABLE AT 208V	4.4				
DE	6205				ODE	6203					
ENCL	TEFC		SN								

Parts List		
Part Number	Description	Quantity
SA190879	SA 35VV818M669G1	1.000 EA
RA178544	RA 35VV818M669G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB5001A17	KOBX KIT, (ALL STAINLESS) W/ .75 NPT	1.000 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
35FE1913A02	FR ENDPLATE ASSY	1.000 EA
HW4606A01	JM CLIPPER/SEAL (WDE-0667-1064-BH49)	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35PE1914A02	PU EP ASSY. FOR LOCKED BRG	1.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 EA
12XN1032S22	10-32 X 1 3/8 SLOT HEX, STAINLESS STEEL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A39	IEC FH NO GREASER DEBURR/CLEAN - SS	1.000 EA
10XN1032S06	HEX HD CAP SCREW, SS	3.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
HA3100S14	THRUBOLT 10X32 X 8.875 302 OR 303 SS	4.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 57421 - Typical performance - not guaranteed values

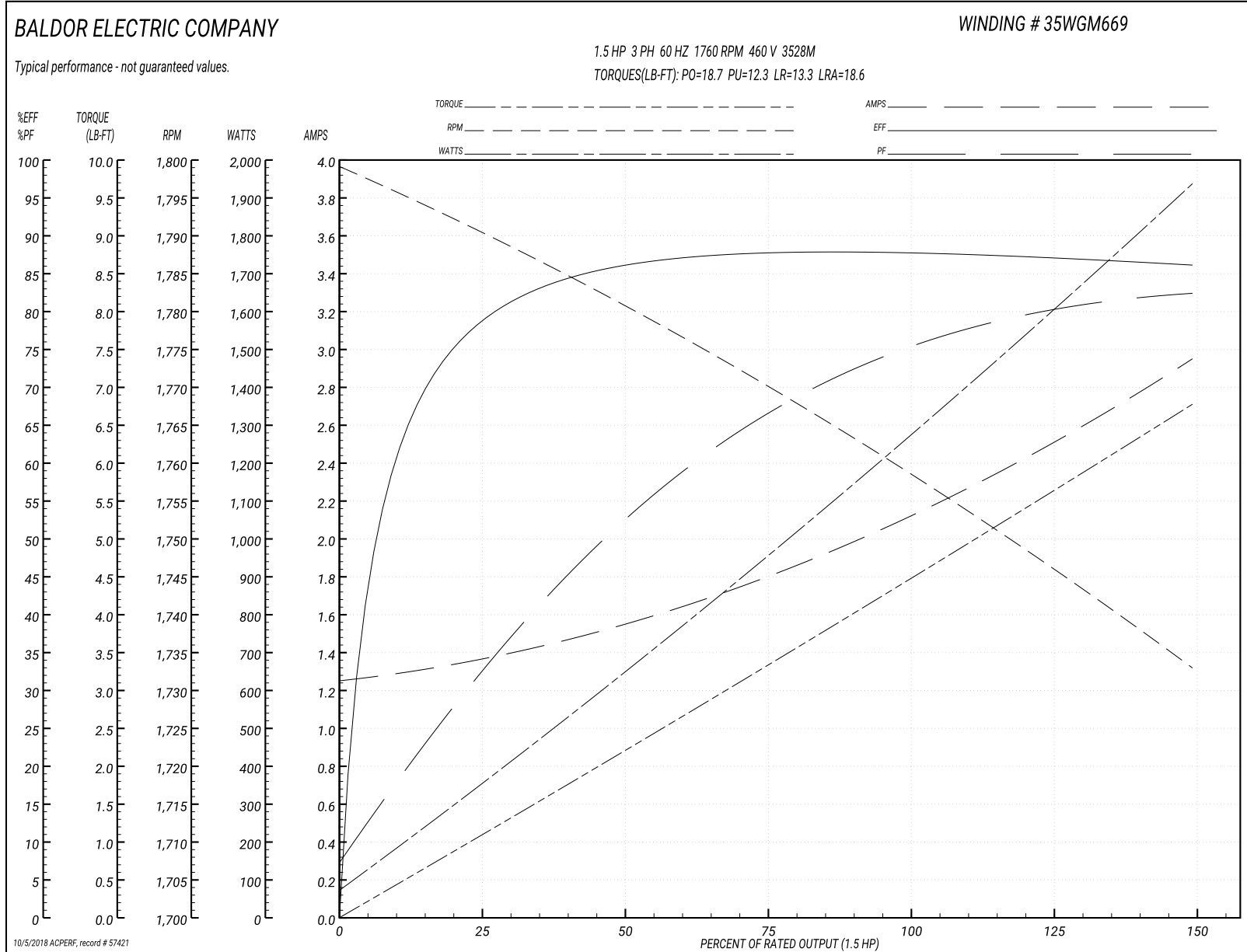
Winding: 35WGM669-R005	Type: 3528M	Enclosure: TEFC
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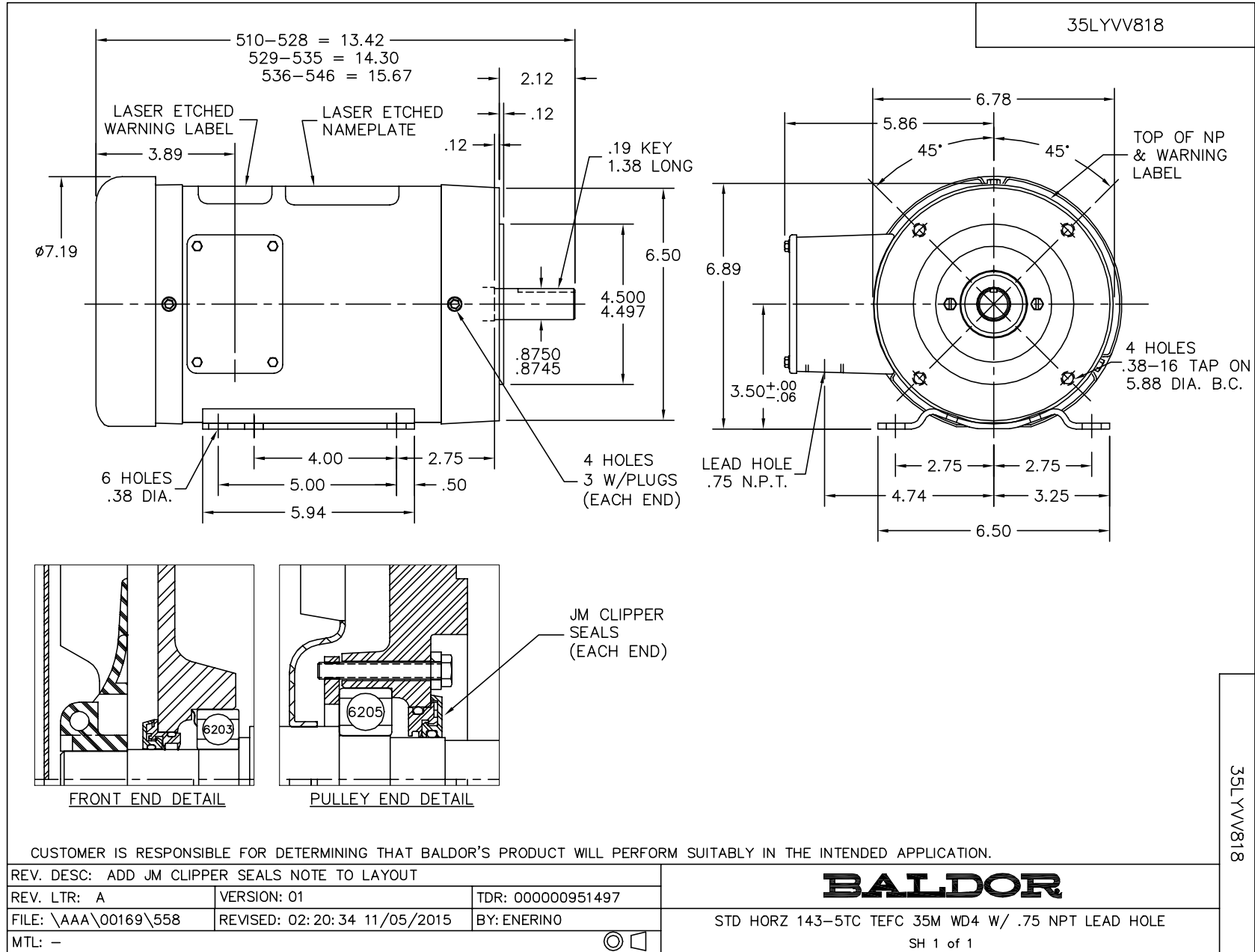
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.46 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	4.2/2.1			Breakdown Torque	18.7 LB-FT
R.P.M.	1760			Pull-up Torque	12.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	13.3 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	18.6 A
Service Factor (S.F.)	1.15			No-load Current	1.27 A
NEMA Nom. Eff.	87.5	Power Factor	74	Line-line Res. @ 25°C	9.1 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	52°C
S.F. Amps				Temp. Rise @ S.F. Load	62°C
				Locked-rotor Power Factor	48.2
				Rotor inertia	0.165 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	66	74	80	83	78
Efficiency	78	85.9	87.7	87.8	87.3	86.1	87.5
Speed	1791	1781	1770	1759	1746	1733	1751
Line amperes	1.34	1.53	1.8	2.14	2.51	2.94	2.36

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values





CD0005

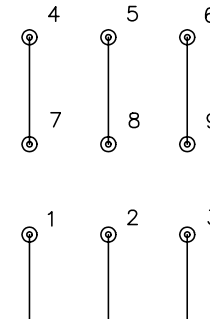


LOW VOLTAGE
(2Y)



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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005