

**BALDOR® • RELIANCE** 

**Product Information Packet**

**CESWDM3558T**

**2HP,1755RPM,3PH,60HZ,145TC,3536M,TEFC,F1**

Part Detail							
Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGP883	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35SS628	Layout:	35LYSS628	Poles:	04	Created Date:	11-21-2011
Base:	RG	Eff. Date:	06-12-2018	Leads:	9#18		

Specs			
Catalog Number:	CESWDM3558T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	145TC	Inverter Code:	Not Inverter
Frame Material:	Stainless Steel	KVA Code:	M
Output @ Frequency:	2.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3536M
Agency Approvals:	UR	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	76
	CSA	Product Family:	Wash Down Paint Free
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

<b>Current @ Voltage:</b>	2.800 A @ 460.0 V	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
	5.600 A @ 230.0 V	<b>Shaft Rotation:</b>	Reversible
	5.900 A @ 208.0 V	<b>Shaft Slinger Indicator:</b>	Shaft Slinger
<b>Design Code:</b>	B	<b>Speed Code:</b>	Single Speed
<b>Drip Cover:</b>	No Drip Cover	<b>Motor Standards:</b>	NEMA
<b>Duty Rating:</b>	CONT	<b>Starting Method:</b>	Direct on line
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Bearing:</b>	NONE (OLD)
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Winding:</b>	None
<b>Front Face Code:</b>	Standard	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 1:</b>	None
		<b>Winding Thermal 2:</b>	None

Nameplate NP1669L										
CAT.NO.	CESWDM3558T									
SPEC.	35SS628P883G1									
HP	2									
VOLTS	230/460									
AMP	5.6/2.8									
RPM	1755									
FRAME	145TC				HZ	60			PH	3
SER.F.	1.15		CODE	M	DES	B		CLASS	F	
NEMA-NOM-EFF	88.5		PF	76						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V			5.9		
DE	6205				ODE	6203				
ENCL	TEFC		SN							
BLANK										

Parts List		
Part Number	Description	Quantity
SA235017	SA 35SS628P883G1	1.000 EA
RA221981	RA 35SS628P883G1	1.000 EA
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
35CB5001A21	CONDUIT BOX KIT, FOR SUPER II WASHDOWN	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3122B00U	MASTER ODE,203 BRG,.683SH,.125NPT DRNS,F	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3307E00U	MASTER DE,205 BRG,1.623SH,.125NPT DRNS,C	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , 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
35FH4005A53	IEC FH NO GREASER - DEBURR/CLEAN - SS	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
HW4600B39SP	V-RING SLINGER 0.550 X 0.790 X .18 VITON	1.000 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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3100S26	THRUBOLT 10X32 X 10.875	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1669L	SS WD SUPER-E UL CSA-EEV PREM REV MTG	1.000 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 # 57391 - Typical performance - not guaranteed values

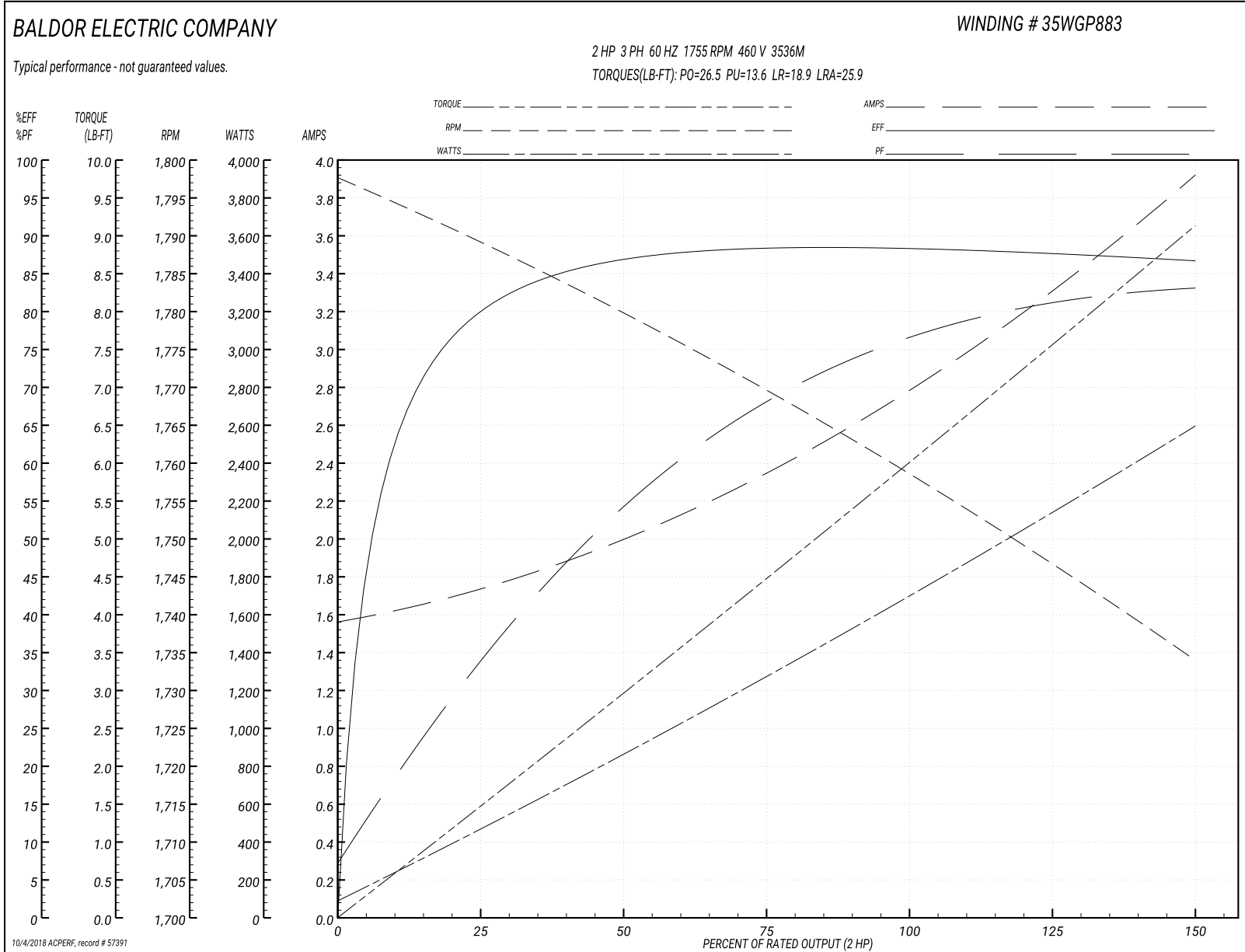
<b>Winding:</b> 35WGP883-R006	<b>Type:</b> 3536M	<b>Enclosure:</b> TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	5.934 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.6/2.8			Breakdown Torque	26.5 LB-FT
R.P.M.	1755			Pull-up Torque	13.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	18.9 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	25.9 A
Service Factor (S.F.)	1.15			No-load Current	1.59 A
NEMA Nom. Eff.	88.5	Power Factor	76	Line-line Res. @ 25°C	6.7876 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	46°C
S.F. Amps				Temp. Rise @ S.F. Load	55°C
				Locked-rotor Power Factor	46
				Rotor inertia	0.213 LB-FT <sup>2</sup>

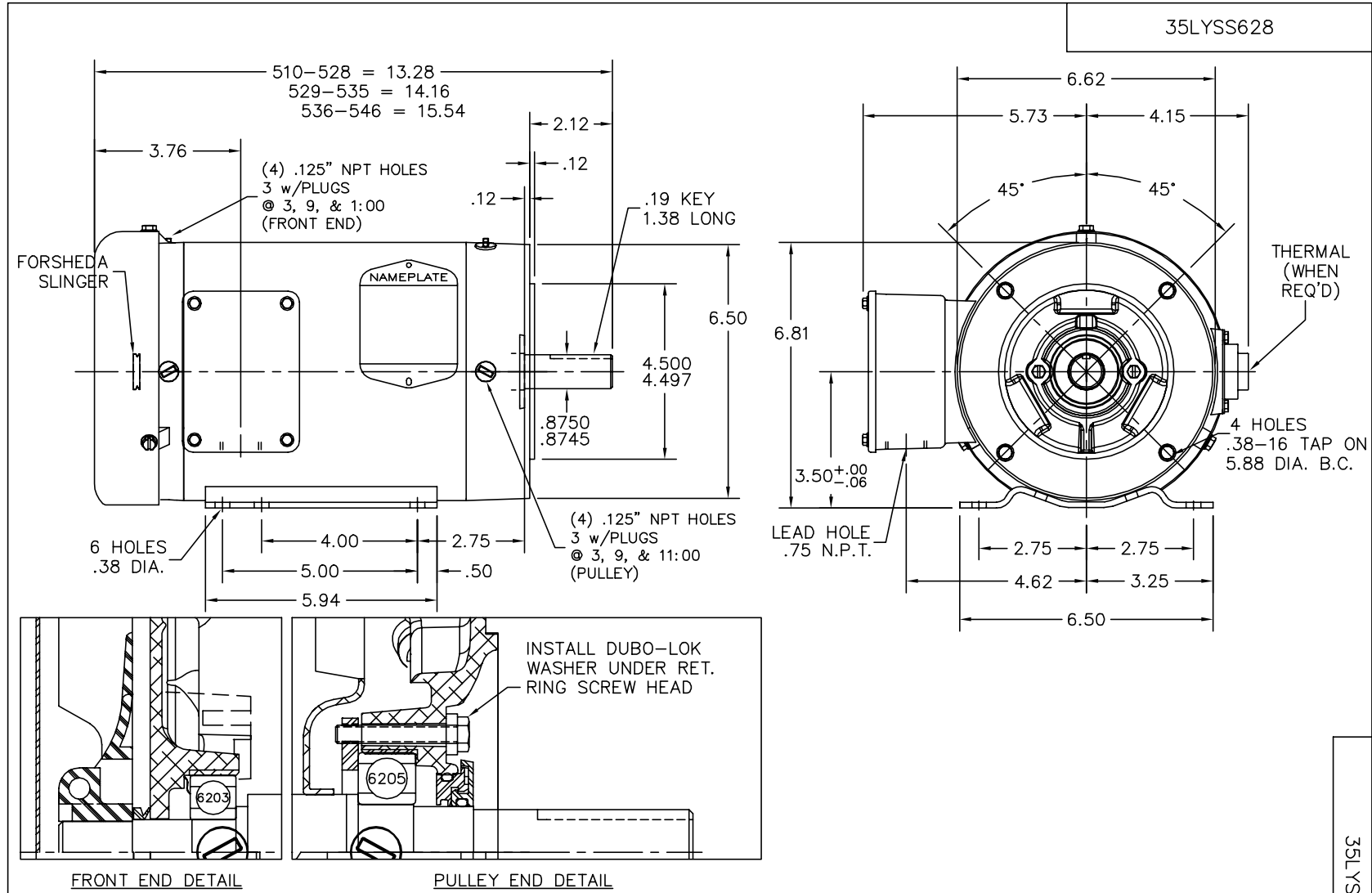
Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	55	67	76	81	84	79
Efficiency	79.4	86.8	88.3	88.5	87.8	86.7	88.1
Speed	1788.9	1780	1770	1759.1	1747.2	1733.9	1752
Line amperes	1.7	1.97	2.35	2.78	3.31	3.9	3.1

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values







CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE ENDPLATES AND NOTES		
REV. LTR: C	VERSION: 03	TDR: 000001078000
FILE: \AAA\00169\560	REVISED: 02:39:52 07/12/2018	BY: FPJFGO
MTL: -		

**BALDOR - RELIANCE®**

STD HORZ 143-5TC TEFC 35M WD2 (PAINT FREE) W/.75 NPT LEAD HO

SH 1 of 1

35LYSS628

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