

BALDOR® • RELIANCE 

Product Information Packet

CSSWDM3457

.33HP,3450RPM,3PH,60HZ,56C,3512M,TENV,F1

Part Detail							
Revision:	N	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WG5766	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35V814	Layout:	35LYV814	Poles:	02	Created Date:	12-18-2013
Base:	RG	Eff. Date:	08-12-2019	Leads:	9#18		

Specs			
Catalog Number:	CSSWDM3457	Insulation Class:	F
Enclosure:	TENV	Inverter Code:	Not Inverter
Frame:	56C	KVA Code:	J
Frame Material:	Stainless Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.330 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3512M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	80
Agency Approvals:	UR	Product Family:	Wash Down All Stainless Steel
	CSA	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	.550 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	1.100 A @ 230.0 V	Shaft Rotation:	Reversible
	1.200 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.	CSSWDM3457										
SPEC.	35V814-5766G1										
HP	.33										
VOLTS	208-230/460										
AMP	1.2-1.1/.55										
RPM	3450										
FRAME	56C				HZ	60				PH	3
SER.F.	1.15			CODE	J	DES	B		CLASS	F	
NEMA-NOM-EFF	74			PF	80						
RATING	40C AMB-CONT										
CC	USABLE AT 208V										
DE	6205			ODE	6203						
ENCL	TENV		SN								

Parts List		
Part Number	Description	Quantity
SA274113	SA 35V814-5766G1	1.000 EA
RA260701	RA 35V814-5766G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB5001A08	CONDUIT BOX KIT, S/P 9-2 (ALL STAINLESS)	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
35FE1913A01	FR ENDPLATE ASSY	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
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
HA3100S45	THRU BOLT HEX-HEAD 7.95 10-32	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

AC Induction Motor Performance Data

Record # 50347 - Typical performance - not guaranteed values

Winding: 35WG5766-R007	Type: 3512M	Enclosure: TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33			Full Load Torque	0.498 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	1.2-1.1/.55			Breakdown Torque	2.1 LB-FT
R.P.M.	3450			Pull-up Torque	1.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	1.7 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	3.75 A
Service Factor (S.F.)	1.15			No-load Current	0.313 A
NEMA Nom. Eff.	74	Power Factor	80	Line-line Res. @ 25°C	48.2 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	38°C
S.F. Amps				Temp. Rise @ S.F. Load	43°C
				Locked-rotor Power Factor	67
				Rotor inertia	0.0332 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	68	77	82	86	87	84
Efficiency	40.5	56.6	64.2	68	70.2	71.2	69.4
Speed	3548	3520	3491	3459	3425	3387	3450
Line amperes	0.349	0.404	0.471	0.549	0.633	0.729	0.602

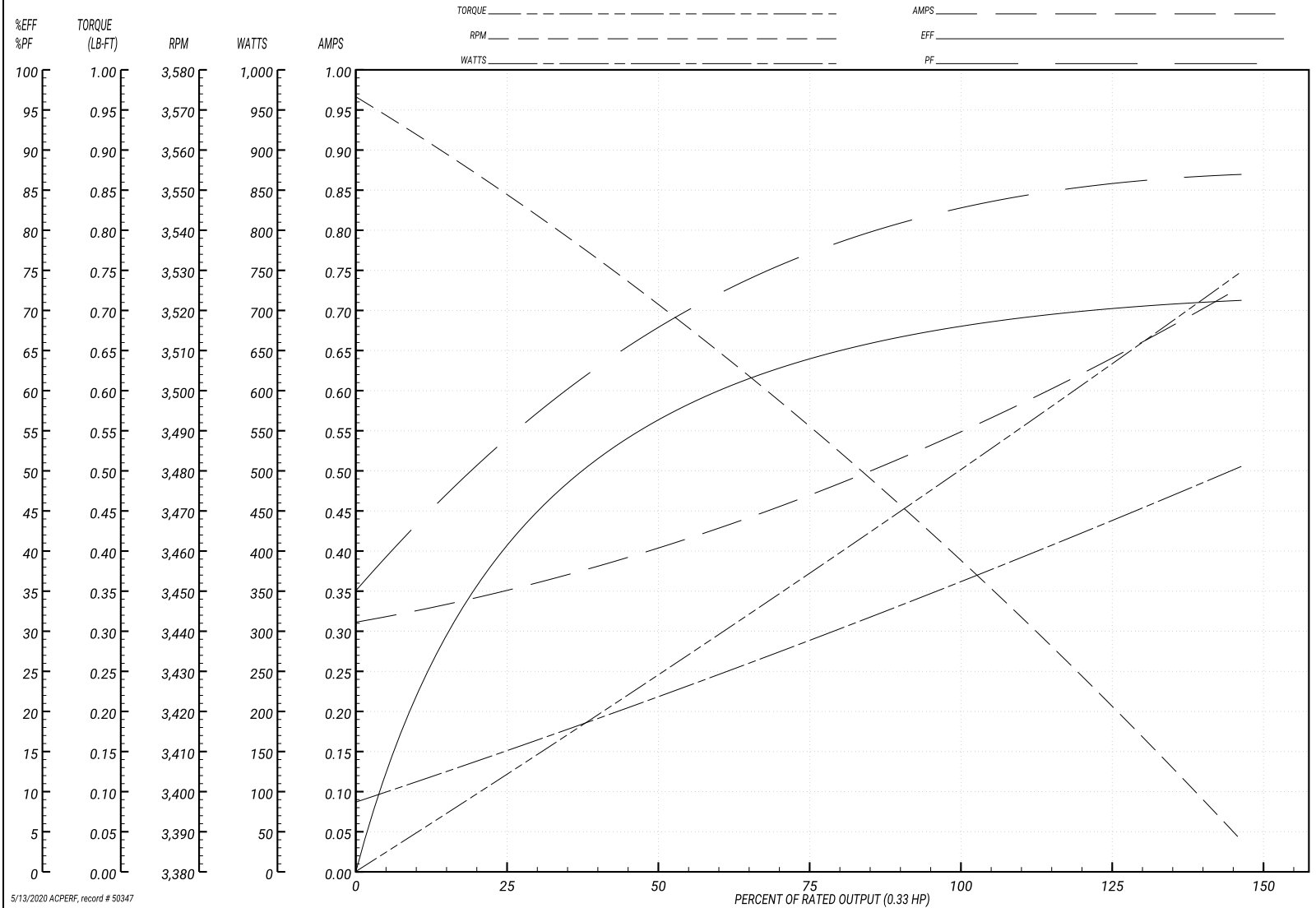
Performance Graph at 460V, 60Hz, 0.33HP Typical performance - Not guaranteed values

ABB Motors and Mechanical Inc.

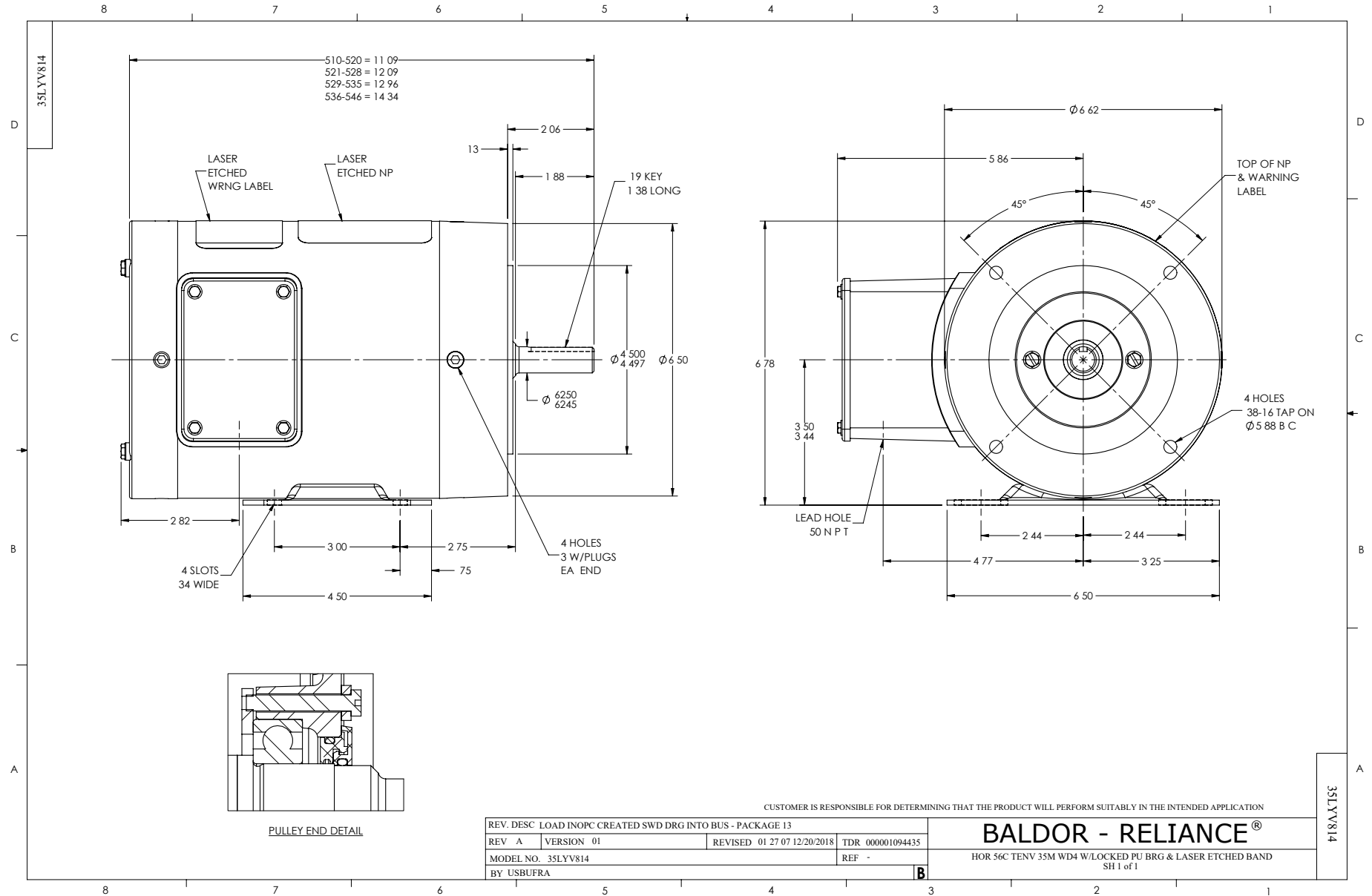
WINDING # 35WG5766

Typical performance - not guaranteed values.

0.33 HP 3 PH 60 HZ 3450 RPM 460 V 3512M
 TORQUES(LB-FT): PO=2.1 PU=1.5 LR=1.7 LRA=3.75



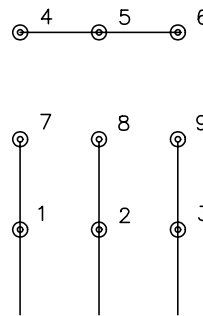
5/13/2020 ACPERF, record # 50347



CD0005

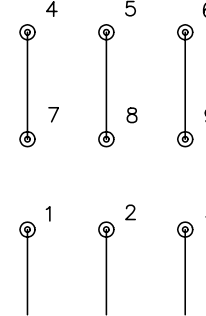


LOW VOLTAGE
(2Y)



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