



Customer information packet

CESSWDNM3611T-5

3HP, 1750RPM, 3PH, 60HZ, 182TC, 3646M, TENV, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TENV
Frame	182TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.200 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	No Endplate
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.2 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs

Part detail

Revision	F
Type	AC
Mech. spec.	36L196
Base	
Status	PRD/A
Elec. spec.	36WGN186
Layout	36LYL196
Eff. date	02-14-2024
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	12-13-2017

Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3646M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.82 IN
Power Factor	79
Product Family	Wash Down Paint Free
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1750 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1669L									
CAT.NO.	CESSWDNM3611T-5								
SPEC.	36L196N186G1								
HP	3								
VOLTS	575								
AMP	3.2								
RPM	1750								
FRAME	182TC		HZ	60		PH	3		
SER.F.	1.15	CODE	K	DES	B	CLASS	H		
NEMA-NOM-EFF	89.5	PF	79						
RATING	40C AMB-CONT								
CC	010A								
DE	6206		ODE	6205					
ENCL	TENV	SN							
BLANK	2:1CT 20:1VT								

Parts list

Part number	Description	Quantity
SA353193	SA 36L196N186G1	1.000 ea
RA341995	RA 36L196N186G1	1.000 ea
36CB1003A01	CONDUIT BOX	1.000 ea
36GS1024	36 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	1.000 ea
10XN1032S08	10-32X1/2 HEX HEAD S STL	2.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 ea
36EP1907A04	FRONT TENV 205 BRG NO GR SR (STAINLESS)	1.000 ea
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	4.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36PE1908A03	PU ENDPLATE ASSY	1.000 ea
10XN2520S28	1/4-20X 1 3/4 HEX HD SS X	4.000 ea
HA1049A02	DUBO LOK WASHER SIZE 1/4 (NYLON LOCK SEA	4.000 ea
HA1049A02	DUBO LOK WASHER SIZE 1/4 (NYLON LOCK SEA	4.000 ea
36CB4517	LIPPED CB LID #304 STAINLESS - CLEANED	1.000 ea
37GS3010SP	1/16"WHITE LID GASKET	1.000 ea
59XN0832S07	8/32 X 7/16 HX WS HD SER X	4.000 ea
HW4606A03	JM CLIPPER/SEAL (LWE-1156-1875-AL44)	1.000 ea
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
LB1164	LABEL,WARNING AND DRAIN	1.000 ea
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 ea
HW3200S01	EYEBOLT 3/8-16 X3/4 S.S. TDR #35988	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
HA3101S29	THRUBOLT- 1/4-20X13.00 SS	4.000 ea
LC0006	CONNECTION LABEL	1.000 ea
NP1669L	SS WD SUPER-E UL PREM REV MTG	1.000 ea
GOPA1000	PKG GRP, PRINT PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500bx)4/22	1.000 ea

FE-0000005

ZRTG FE ASSEMBLY

1.000 ea

LB1624

COMBINED WARNING LABEL, ISO/ANSI PICTOGR

1.000 ea

AC Induction Motor Performance Data

Record # 49994

Typical performance - not guaranteed values

Winding: 36WGN186-R001		Type: 3646M		Enclosure: TENV	
Nameplate Data			575 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		3	Full Load Torque		9.03 LB-FT
Volts		575	Start Configuration		direct on line
Full Load Amps		3.2	Breakdown Torque		32.45 LB-FT
R.P.M.		1750	Pull-up Torque		18.74 LB-FT
Hz	60 Phase	3	Locked-rotor Torque		21.97 LB-FT
NEMA Design Code	B KVA Code	K	Starting Current		24.24 A
Service Factor (S.F.)		1.15	No-load Current		1.54 A
NEMA Nom. Eff.	89.5 Power Factor	79	Line-line Res. @ 25°C		5.52 Ω
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		101°C
S.F. Amps			Temp. Rise @ S.F. Load		122°C
			Locked-rotor Power Factor		38.8
			Rotor inertia		0.428 LB-FT ²

Load Characteristics 575 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	61	73	79	82	84	81
Efficiency	85.4	89.7	90.2	89.5	88.1	87.1	88.7
Speed	1788	1778	1766	1753	1739	1723	1745
Line amperes	1.71	2.07	2.62	3.19	3.87	4.65	3.6

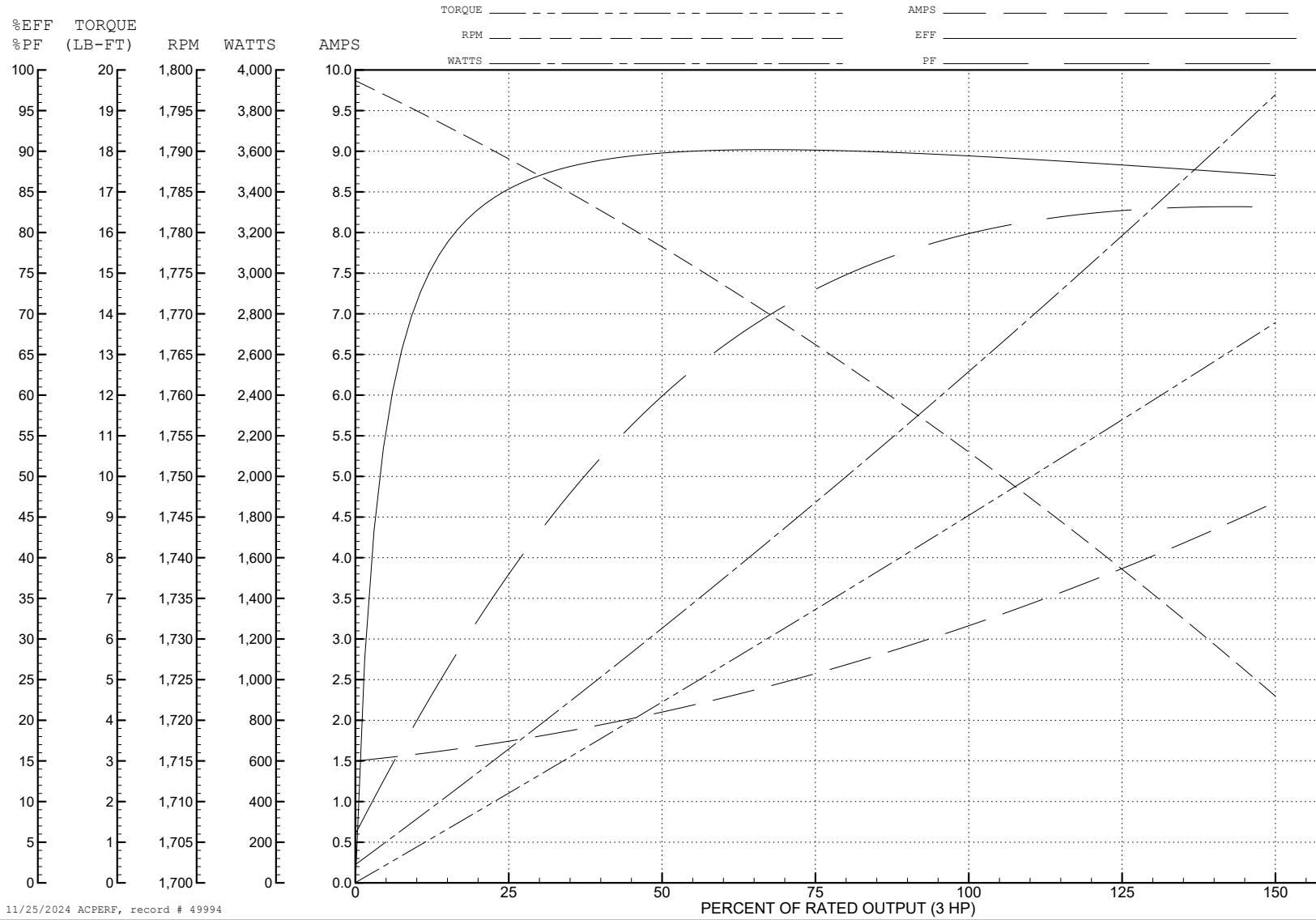
ABB Motors and Mechanical Inc.

WINDING # 36WGN186

3 HP 3 PH 60 HZ 1750 RPM 575 V 3646M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=32.45 PU=18.74 LR=21.97 LRA=24.24



11/25/2024 ACPERF, record # 49994

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.

CD0006

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
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MTL: -		© □

BALDOR - RELIANCE®

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

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