

ABB BALDOR RELIANCE III

Customer information packet

CEWWDM3611T

3HP, 1760RPM, 3PH, 60HZ, 182TC, 3631M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	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	208.0 V @ 60 HZ 230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.200 A @ 460.0 V 8.400 A @ 230.0 V 9.000 A @ 208.0 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	Standard

Part Detail

Revision	T
Type	AC
Mech. spec.	36N830
Base	
Status	PRD/A
Elec. spec.	36WGS266
Layout	36LYN830
Eff. date	12-03-2025
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	12-14-2012

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.2 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3632M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.54 IN
Power Factor	75
Product Family	Super White Washdown
Pulley End Bearing Type	Ball
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	1760 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.									
SPEC.	36N830S266G1								
HP	3								
VOLTS	230/460								
AMP	8.4/4.2								
RPM	1760								
FRAME	182TC		HZ		60		PH		3
SER.F.	1.15	CODE		K	DES	B	CLASS		F
NEMA-NOM-EFF	89.5	PF		75					
RATING	40C AMB-CONT								
CC	010A								
DE	6206		ODE		6206				
ENCL	TEFC	SN							
BLANK	CEWWDWM3611T								

AC Induction Motor Performance Data

Record # 32378

Typical performance - not guaranteed values

Winding: 36WGS266-R001			Type: 3632M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		3	Full Load Torque		8.8 LB-FT	
Volts		230/460	Start Configuration		direct on line	
Full Load Amps		9-8.4/4.2	Breakdown Torque		37.6 LB-FT	
R.P.M.		1760	Pull-up Torque		15.2 LB-FT	
Hz		60	Phase		3	Locked-rotor Torque
NEMA Design Code		B	KVA Code		K	Starting Current
Service Factor (S.F.)		1.15	No-load Current		2.3 A	
NEMA Nom. Eff.		89.5	Power Factor		75	Line-line Res. @ 25°C
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps			Temp. Rise @ S.F. Load		52°C	
			Locked-rotor Power Factor		42.2	
			Rotor inertia		0.298 LB-FT2	

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	68	75	80	82	78
Efficiency	81.1	87.8	89.6	89.8	89.7	88.2	89.6
Speed	1791	1783	1773	1764	1753	1741	1757
Line amperes	2.47	2.85	3.43	4.09	4.89	5.78	4.57

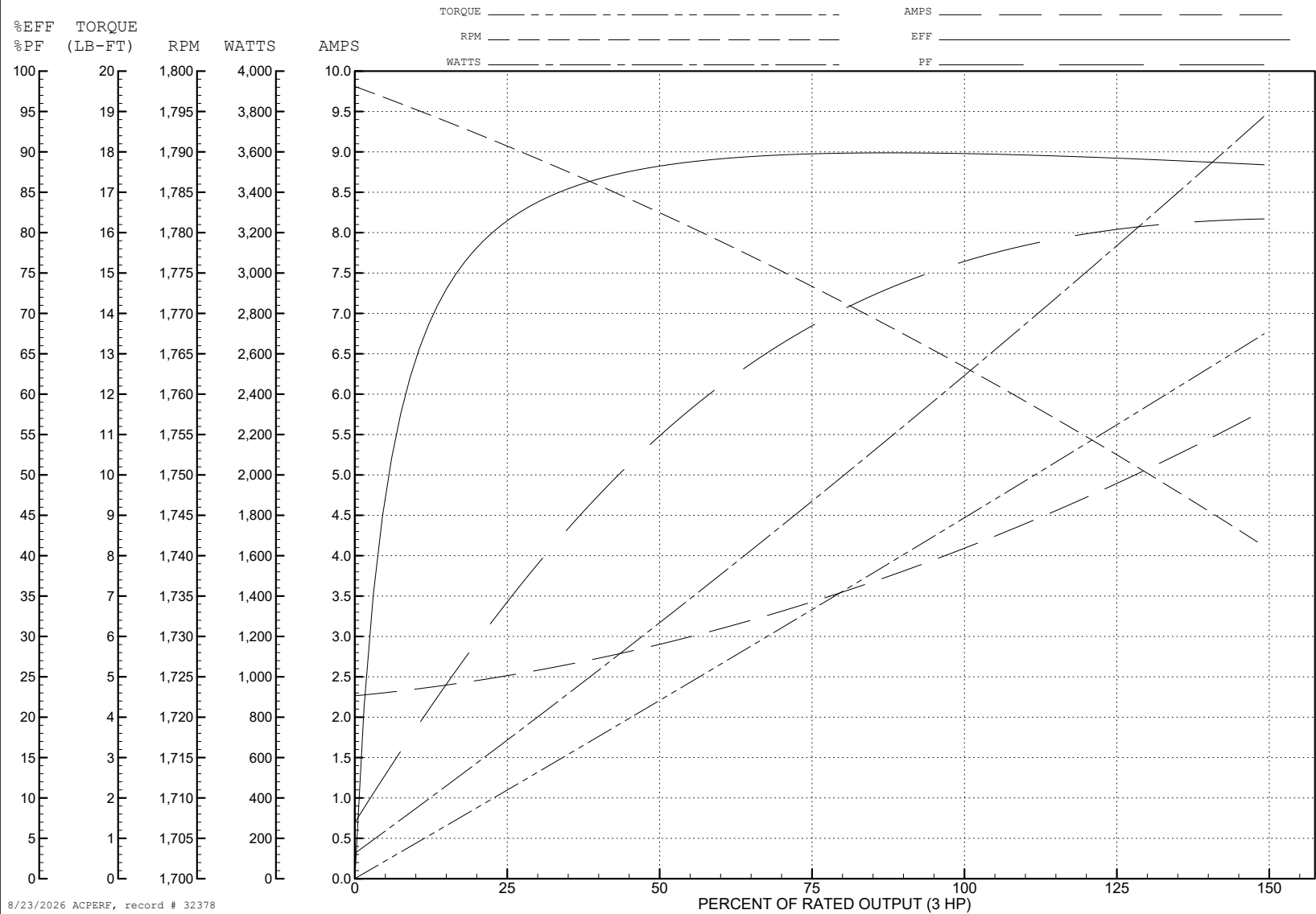
ABB Motors and Mechanical Inc.

WINDING # 36WGS266

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1760 RPM 460 V 3632M

TORQUES (LB-FT): PO=37.6 PU=15.2 LR=21.7 LRA=32.7



AC Induction Motor Performance Data

Record # 50836

Typical performance - not guaranteed values

Winding: 36WGS266-R001			Type: 3632M		Enclosure: TEFC		
Nameplate Data			230 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		3	Full Load Torque		8.8 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		9-8.4/4.2	Breakdown Torque		37.6 LB-FT		
R.P.M.		1760	Pull-up Torque		15.2 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		21.7 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		65.4 A
Service Factor (S.F.)		1.15	No-load Current		4.6 A		
NEMA Nom. Eff.		89.5	Power Factor	75	Line-line Res. @ 25°C		0.953 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		44°C
S.F. Amps					Temp. Rise @ S.F. Load		52°C
					Locked-rotor Power Factor		42.2
					Rotor inertia		0.3 LB-FT2

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	68	75	80	82	77
Efficiency	81.1	87.8	89.6	89.8	89.7	88.2	89.2
Speed	1791	1783	1773	1764	1753	1741	1755
Line amperes	4.94	5.7	6.86	8.18	9.78	11.6	9.26

ABB Motors and Mechanical Inc.

WINDING # 36WGS266

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1760 RPM 230 V 3632M

TORQUES (LB-FT): PO=37.6 PU=15.2 LR=21.7 LRA=65.4

