



Customer information packet

CSWDM3611T

3HP, 1750RPM, 3PH, 60HZ, 182TC, 3628M, TEFC, F1

Class -

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182TC
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CSA UR
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	4.100 A @ 460.0 V 8.200 A @ 230.0 V 8.500 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.1 a
Insulation Class	F

Part detail

Revision	J
Type	AC
Mech. spec.	36K196
Base	
Status	NLA/A
Elec. spec.	36WGX865
Layout	36LYK196
Eff. date	12-03-2009
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	01-01-0001

Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No 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	3628M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.56 IN
Power Factor	78
Product Family	Wash Down Paint Free
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
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	Shaft 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

NP1496L									
CAT.NO.	CSWDM3611T								
SPEC.	36K196X865H1								
HP	3								
VOLTS	208-230/460								
AMP	8.5-8.2/4.1								
RPM	1750								
FRAME	182TC		HZ	60			PH	3	
SER.F.	1.15	CODE	K	DES	B	CLASS	F		
NEMA-NOM-EFF	87.5	PF	78						
RATING	40C AMB-CONT								
CC	010A								
DE	6206		ODE	6205					
ENCL	TEFC	SN							

AC Induction Motor Performance Data

Record # 11127

Typical performance - not guaranteed values

Winding: 36WGX865-R001			Type: 3628M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		3	Full Load Torque		8.9 LB-FT			
Volts		208-230/460	Start Configuration		direct on line			
Full Load Amps		8.5-8.2/4.1	Breakdown Torque		33 LB-FT			
R.P.M.		1750	Pull-up Torque		16.8 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		22 LB-FT		
NEMA Design Code		B	KVA Code	K	Starting Current		32.4 A	
Service Factor (S.F.)		1.15	No-load Current		2.2 A			
NEMA Nom. Eff.		87.5	Power Factor		78	Line-line Res. @ 25°C		4.28 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		36°C	
S.F. Amps			Temp. Rise @ S.F. Load		42°C			
			Locked-rotor Power Factor		44			
			Rotor inertia		0.263 LB-FT2			

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	59	71	78	80	81	79
Efficiency	78.4	86.1	87.8	88.1	87.4	86.1	87.7
Speed	1793	1783	1774	1764	1752	1738	1757
Line amperes	2.4	2.8	3.4	4.1	5	5.9	4.6

ABB Motors and Mechanical Inc.

WINDING # 36WX865

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1750 RPM 460 V 3628M

TORQUES (LB-FT): PO=33 PU=16.8 LR=22 LRA=32.4





