



Product Information Packet

CESSWDM23933T

15HP,1765RPM,3PH,60HZ,254TC,3956M,TEFC,F

Part Detail							
Revision:	AF	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	39WGX682	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	39E119	Layout:	39LYE119	Poles:	04	Created Date:	05-21-2009
Base:	RG	Eff. Date:	12-09-2021	Leads:	9#12		

Specs			
Catalog Number:	CESSWDM23933T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	254TC	Inverter Code:	Inverter Ready
Frame Material:	Stainless Steel	KVA Code:	G
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	15.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 12 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3956M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	86
	UR	Product Family:	Wash Down All Stainless Steel
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	35.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	38.000 A @ 208.0 V	Shaft Rotation:	Reversible
	17.500 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	A	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
		Winding Thermal 2:	None

Nameplate NP1953D01

CAT.NO.	CESSWDM23933T																	
SPEC.	39E119X682H2																	
HP	15																	
VOLTS	230/460																	
AMP	35/17.5																	
RPM	1765																	
FRAME	254TC				HZ		60											
SER.F.	1.15			CODE	G	DES			A	CLASS								
NEMA-NOM-EFF	92.4					PF												
RATING	40C AMB-CONT																	
CC	010A				USABLE AT 208V					38								
DE	6309				ODE		6208											
ENCL	TEFC		SN															
	2:1 CT/10:1 VT																	

AC Induction Motor Performance Data

Record # 48151

Typical performance - not guaranteed values

Winding: 39WGX682-R001				Type: 3956M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		15		Full Load Torque		44.6 LB-FT		
Volts		230/460		Start Configuration		direct on line		
Full Load Amps		35/17.5		Breakdown Torque		163 LB-FT		
R.P.M.		1765		Pull-up Torque		52.3 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		77 LB-FT		
NEMA Design Code		A		KVA Code	G		Starting Current	118 A
Service Factor (S.F.)		1.15		No-load Current		6.54 A		
NEMA Nom. Eff.		92.4	Power Factor	86		Line-line Res. @ 25°C		0.528 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		67°C		
S.F. Amps				Temp. Rise @ S.F. Load		81°C		
				Locked-rotor Power Factor		32		
				Rotor inertia		2.45 LB-FT2		

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	51	73	82	87	88	89	88
Efficiency	88.6	92.6	92.8	92.6	91.7	90.6	92.1
Speed	1792	1784	1776	1767	1757	1745	1761
Line amperes	7.8	10.4	13.7	17.5	21.7	27.1	20

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values





