



Product Information Packet

CEM2513T

15HP,1765RPM,3PH,60HZ,254TC,3948M,OPSB,F

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	39WGY375	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	39D102	Layout:	39LYD102	Poles:	04	Created Date:	10-02-2017
Base:	RG	Eff. Date:	05-10-2022	Leads:	9#12		

Specs			
Catalog Number:	CEM2513T	Heater Indicator:	No Heater
Enclosure:	OPSB	Insulation Class:	F
Frame:	254TC	Inverter Code:	Inverter Ready
Frame Material:	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:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3948M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	85
	CSA EEV	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
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)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	18.000 A @ 460.0 V	Shaft Rotation:	Reversible
	36.000 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	38.000 A @ 208.0 V	Speed Code:	Single Speed
Design Code:	A	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP3554LUA

CAT.NO.	CEM2513T				P/N					ENCL	OPSB		
SPEC.	39D102Y375G1			CC	010A		FRAME	254TC		SER.NO.			
HP	15			CLASS	F		HZ	60					
RPM	1770			PH	3		DES	A					
VOLTS	230/460				CODE	J		ODE BRG	6208		DE BRG	6309	
AMPS	36.4/18.2			USABLE AT 208V				39					
RATING	40C AMB-CONT				NEMA-NOM-EFF				93		GREASE	POLYREX EM	
PF	83		SER.F.	1.15		CT30-60(2:1) VT3-60(20:1)							
USABLE AT	50HZ 15HP 190/380V 44/22A					SF 1.0							
HTR-VOLTS			HTR-AMPS			MAX. SPACE HEATER TEMP.							

AC Induction Motor Performance Data

Record # 93498

Typical performance - not guaranteed values

Winding: 39WGY375-R001				Type: 3948M		Enclosure: OPSB	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		15		Full Load Torque		44.57 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		36/18		Breakdown Torque		171 LB-FT	
R.P.M.		1765		Pull-up Torque		79.1 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		100 LB-FT	
NEMA Design Code		A	KVA Code	J	Starting Current		137 A
Service Factor (S.F.)		1.15		No-load Current		7.62 A	
NEMA Nom. Eff.		93	Power Factor	85	Line-line Res. @ 25°C		0.5794 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		29°C	
S.F. Amps				Temp. Rise @ S.F. Load		35°C	
				Locked-rotor Power Factor		32.8	

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	68	78	83	86	87	85
Efficiency	88.6	92.6	93.3	93.1	92.5	91.7	92.7
Speed	1794.2	1788	1781.2	1773.7	1766.3	1758.2	1769
Line amperes	8.77	11.2	14.5	18.2	22.1	26.4	20.5

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





