



Product Information Packet

CEM3665T

5HP,1755RPM,3PH,60HZ,184TC,0642M,TEFC,F1

Part Detail							
Revision:	R	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	06WGX182	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	06F057	Layout:	06LYF057	Poles:	04	Created Date:	08-03-2010
Base:	RG	Eff. Date:	02-21-2022	Leads:	9#16		

Specs			
Catalog Number:	CEM3665T	Front Shaft Indicator:	None
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	184TC	Insulation Class:	F
Frame Material:	Iron	Inverter Code:	Inverter Ready
Motor Letter Type:	Three Phase	KVA Code:	J
Output @ Frequency:	5.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	0642M
Agency Approvals:	CSA	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	80
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
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:	6.600 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	14.000 A @ 208.0 V	Shaft Rotation:	Reversible
	13.200 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	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
Enclosure Modification:	841	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP3441LUA

CAT.NO.	CEM3665T									
SPEC	06F057X182G1									
HP	5									
VOLTS	230/460									
AMPS	13.2/6.6									
RPM	1750									
FRAME	184TC				HZ 60				PH 3	
SF	1.15			CODE J		DES B		CLASS F		
NEMA NOM. EFF	89.5			PF 80						
RATING	40C AMB-CONT									
CC	010A			USABLE AT 208V 14						
ENCL	TEFC			SER						
DE	6206			ODE 6205						
VPWM INVERTER READY	SFA 14.6/7.3									
CT6-60H(10:1)VT3-60H(20:1										
	50Hz 5HP 190/380V 15.8/7.9A									
	SF1.0									

AC Induction Motor Performance Data

Record # 34381

Typical performance - not guaranteed values

Winding: 06WGX182-R004				Type: 0642M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		5		Full Load Torque		15 LB-FT		
Volts		230/460		Start Configuration		direct on line		
Full Load Amps		13.2/6		Breakdown Torque		53.9 LB-FT		
R.P.M.		1750		Pull-up Torque		22.4 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		31.8 LB-FT		
NEMA Design Code		B		KVA Code	J		Starting Current	46.6 A
Service Factor (S.F.)		1.15		No-load Current		3.02 A		
NEMA Nom. Eff.		89.5	Power Factor	80		Line-line Res. @ 25°C		2.63 Ω
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		53°C
S.F. Amps						Temp. Rise @ S.F. Load		65°C
						Locked-rotor Power Factor		40.5
						Rotor inertia		0.391 LB-FT2

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	63	75	81	84	85	81
Efficiency	85.2	89.8	90.4	89.8	88.4	86.9	88.7
Speed	1789	1777	1765	1752	1737	1721	1739
Line amperes	3.35	4.14	5.21	6.45	7.91	9.47	7.52

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values





