



Product Information Packet

CEM3713T-5

15HP,3500RPM,3PH,60HZ,215TC,3752M,TEFC,F

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGR248	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	37G814	Layout:	37LYG814	Poles:	02	Created Date:	03-01-2012
Base:	RG	Eff. Date:	07-07-2020	Leads:	3#14		

Specs			
Catalog Number:	CEM3713T-5	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	215TC	KVA Code:	J
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	15.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 14 AWG
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	575.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3752M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	89
	CSA EEV	Product Family:	General Purpose
	UR	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:	13.600 A @ 575.0 V	Shaft Rotation:	Reversible
Design Code:	A	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP3441L

CAT.NO.	CEM3713T-5										
SPEC.	37G814R248G1										
HP	15										
VOLTS	575										
AMP	13.6										
RPM	3500										
FRAME	215TC					HZ	60			PH	3
SER.F.	1.15			CODE	J		DES	A		CL	F
NEMA-NOM-EFF	91				PF	89					
RATING	40C AMB-CONT										
CC	010A					USABLE AT 208V					
DE	6307					ODE	6206				
ENCL	TEFC			SN							
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1											

AC Induction Motor Performance Data

Record # 37489

Typical performance - not guaranteed values

Winding: 37WGR248-R001				Type: 3752M		Enclosure: TEFC		
Nameplate Data				575 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		15		Full Load Torque		22.1 LB-FT		
Volts		575		Start Configuration		direct on line		
Full Load Amps		13.6		Breakdown Torque		104 LB-FT		
R.P.M.		3500		Pull-up Torque		40.3 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		57.8 LB-FT		
NEMA Design Code		A		KVA Code	J		Starting Current	120 A
Service Factor (S.F.)		1.15		No-load Current		4.44 A		
NEMA Nom. Eff.		91	Power Factor	89		Line-line Res. @ 25°C		0.702 Ω
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		67°C
S.F. Amps						Temp. Rise @ S.F. Load		82°C
						Locked-rotor Power Factor		30
						Rotor inertia		0.474 LB-FT2

Load Characteristics 575 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	77	85	89	90	90	90
Efficiency	86.8	91.1	92	91.9	91	90	91.4
Speed	3579	3558	3534	3510	3485	3456	3495
Line amperes	5.36	7.63	10.6	13.6	16.9	20.5	15.6

Performance Graph at 575V, 60Hz, 15.0HP Typical performance - Not guaranteed values





