



Product Information Packet

CHM364A

.5HP,1140RPM,3PH,60HZ,48YZ,3418M,TEAO,F1

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34GW529	CD Diagram:	CD0007	Mfg Plant:	
Mech. Spec:	34M250	Layout:	34LYM250	Poles:	06	Created Date:	05-24-2013
Base:	RS	Eff. Date:	04-23-2021	Leads:	12#18		

Specs			
Catalog Number:	CHM364A	Insulation Class:	B
Enclosure:	TEAO	Inverter Code:	Not Inverter
Frame:	48YZ	KVA Code:	J
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	.500 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	12 @ 18 AWG
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Motor Lead Exit:	Terminal Panel Or Lead Hole
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3418M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	55
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Resilient Mount
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Resilient	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	1.200 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	2.400 A @ 230.0 V	Shaft Rotation:	Reversible
	2.700 A @ 208.0 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
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Resilient Mount	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	Automatic Thermal Overload
Heater Indicator:	No Heater	Winding Thermal 1 Location:	SB
		Winding Thermal 2:	None

Nameplate NP1257L

CAT.NO.	CHM364A										
SPEC.	34M250W529G1										
HP	.5										
VOLTS	230/460										
AMP	2.4/1.2										
RPM	1140										
FRAME	48YZ				HZ 60			PH 3			
SER.F.	1.25		CODE J		DES B		CL B				
NEMA-NOM-EFF	72		PF 55								
RATING	40C AMB-CONT										
CC			USABLE AT 208V 2.7								
DE	6203			ODE 6203							
ENCL	TEAO		SN								
	SFA 2.6/1.3										

AC Induction Motor Performance Data

Record # 42100

Typical performance - not guaranteed values

Winding: 34WGW529-R006			Type: 3418M		Enclosure: TEAO		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		.5	Full Load Torque		2.3 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		2.4/1.2	Breakdown Torque		7.7 LB-FT		
R.P.M.		1140	Pull-up Torque		6 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		6.2 LB-FT	
NEMA Design Code		B	KVA Code	J	Starting Current		5 A
Service Factor (S.F.)		1.25		No-load Current		0.95 A	
NEMA Nom. Eff.		72	Power Factor	55	Line-line Res. @ 25°C		39.6 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load			
S.F. Amps		2.6/1.3		Temp. Rise @ S.F. Load			
				Locked-rotor Power Factor		63	
				Rotor inertia		0.0428 LB-FT2	

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	20	34	45	55	62	68	62
Efficiency	48	63	67	72	72	71	72
Speed	1185	1170	1155	1140	1120	1100	1120
Line amperes	0.95	1	1.1	1.2	1.3	1.5	1.3

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values





