



Product Information Packet

WCM3219T

7.5HP,3450RPM,3PH,60HZ,184TCZ,3627M,OPSB

Part Detail							
Revision:	E	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGT849	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36H454	Layout:	36LYH454	Poles:	02	Created Date:	06-23-2010
Base:	RG	Eff. Date:	03-08-2016	Leads:	9#16		

Specs			
Catalog Number:	WCM3219T	Heater Indicator:	No Heater
Enclosure:	OPSB	Insulation Class:	F
Frame:	184TCZ	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	J
Output @ Frequency:	7.500 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
	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:	3627M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	92
	CSA	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:	Tapped & Key
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	Included
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	17.400 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	18.800 A @ 208.0 V	Shaft Rotation:	Reversible
	8.700 A @ 460.0 V	Shaft Slinger Indicator:	Shaft 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:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	WCM3219T												
SPEC.	36H454T849H1												
HP	7.5												
VOLTS	208-230/460												
AMP	18.8-17.4/8.7												
RPM	3450												
FRAME	184TCZ				HZ		60			PH	3		
SER.F.	1.15		CODE		J	DES		B	CLASS		F		
NEMA-NOM-EFF	87.5			PF		92							
RATING	40C AMB-CONT												
CC					USABLE AT 208V								
DE	6207				ODE		6205						
ENCL	OPSB		SN										

Parts List		
Part Number	Description	Quantity
SA199214	SA 36H454T849H1	1.000 EA
RA186552	RA 36H454T849H1	1.000 EA
36CB3000SP	CONDUIT BOX, CAST	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
36FE3200A25	FREP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HA1103A08	RODENT SCREEN, 36 FRAME, OPEN, FRONT END	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	2.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1206A20	PU ENDPLATE, MACH W/SCREENS - GREASER &	1.000 EA
HA1102A09	RODENT SCREEN 36 OPEN FAC	2.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
10XN2520A26	1/4-20X 1 5/8 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
35CB4514	35 LIPPED CB LID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HA2009A01	36-4613 SL ANOD. ALUM (STER	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
80XN1032A06	10-32 X 3/8 SET SC HEX SOCK	1.000 EA
HW2501D15	KEY, 3/16 X 1.625	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.022 GA
36AD2004A01	BAFFLE PLATE,MOD 36-SLTD BAND MTRS DELTA	2.000 EA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 36955 - Typical performance - not guaranteed values

Winding: 36WGT849-R004	Type: 3628M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	11.39 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	18.8-17.4/8.7			Breakdown Torque	49.75 LB-FT
R.P.M.	3450			Pull-up Torque	31.86 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	38.52 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	76.26 A
Service Factor (S.F.)	1.15			No-load Current	2.93 A
NEMA Nom. Eff.	87.5	Power Factor	92	Line-line Res. @ 25°C	1.86 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	47.3
				Rotor inertia	0.125 LB-FT ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	78	88	92	93	93	92
Efficiency	83.6	88.4	88.8	88	86.6	84.5	87.2
Speed	3567	3533	3496	3455	3411	3359	3424
Line amperes	3.79	5.11	6.69	8.68	10.91	13.45	10.1

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





