

BALDOR® • RELIANCE

Product Information Packet

L1409T

5HP,3450RPM,1PH,60HZ,184T,3634L,OPEN,F1

Part Detail							
Revision:	AG	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WG0190	CD Diagram:	CD0017A01	Mfg Plant:	
Mech. Spec:	36E002	Layout:	36LYE002	Poles:	02	Created Date:	
Base:	RG	Eff. Date:	01-19-2017	Leads:	2#10 A PH,2#16 B PH		

Specs			
Catalog Number:	L1409T	Inverter Code:	Not Inverter
Enclosure:	OPEN	KVA Code:	F
Frame:	184T	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	5.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	2 @ 10 AWG, A PH
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3634L
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	88
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
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:	23.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	24.000 A @ 208.0 V	Shaft Rotation:	Reversible

Design Code:	L	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
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	L1409T										
SPEC.	36E02-190										
HP	5										
VOLTS	230										
AMP	23										
RPM	3450										
FRAME	184T				HZ		60		PH	1	
SER.F.	1.15			CODE	F	DES	L	CLASS	F		
NEMA-NOM-EFF	75			PF	88						
RATING	40C AMB-CONT										
CC				USABLE AT 208V						24	
DE	6206			ODE	6205						
ENCL	OPEN		SN								

AC Induction Motor Performance Data

Record # 20846 - Typical performance - not guaranteed values

Winding: 36WG0190-R002	Type: 3634L	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	7.6 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	23			Breakdown Torque	18.7 LB-FT
R.P.M.	3450			Pull-up Torque	16 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	18 LB-FT
NEMA Design Code	L	KVA Code	F	Starting Current	125 A
Service Factor (S.F.)	1.15			No-load Current	9 A
NEMA Nom. Eff.	75	Power Factor	88	Line-line Res. @ 25°C	0.338 Ω A Ph 1.16 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	75°C
S.F. Amps				Temp. Rise @ S.F. Load	90°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	59	76	84	88	90	90	0
Efficiency	63	74.5	77.7	78	76.5	73.6	0
Speed	3559	3524	3485	3440	3387	3318	0
Line amperes	10.9	14.3	18.6	23.6	29.6	36.8	27.2

Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values





