



Product Information Packet

RL1310A

1HP,1725RPM,1PH,60HZ,56H,3520L,OPEN,F1,N

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGL468	CD Diagram:	CD0052	Mfg Plant:	
Mech. Spec:	35F391	Layout:	35LYF391	Poles:	04	Created Date:	12-22-2015
Base:	RS	Eff. Date:	11-27-2018	Leads:	6#18,1#14 #1TH		

Specs			
Catalog Number:	RL1310A	Inverter Code:	Not Inverter
Enclosure:	OPEN	KVA Code:	F
Frame:	56H	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Motor Letter Type:	Cap Start, Induction Run	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Output @ Frequency:	1.000 HP @ 60 HZ	Motor Lead Exit:	Terminal Panel
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Termination:	Flying Leads
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Type:	3520L
	230.0 V @ 60 HZ	Mounting Arrangement:	F1
XP Class and Group:	None	Power Factor:	70
XP Division:	Not Applicable	Product Family:	General Purpose
Agency Approvals:	UR	Pulley End Bearing Type:	Ball
	CSA	Pulley Face Code:	Resilient Mount
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard
Auxillary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	Resilient	RoHS Status:	ROHS COMPLIANT
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding

Current @ Voltage:	13.000 A @ 115.0 V	Shaft Rotation:	Reversible
	6.500 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	N	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:	Terminal Panel	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	Automatic Thermal Overload
Heater Indicator:	No Heater	Winding Thermal 1 Location:	EP
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP1257L

CAT.NO.	RL1310A									
SPEC.	35F391L468G1									
HP	1									
VOLTS	115/230									
AMP	13/6.5									
RPM	1725									
FRAME	56H				HZ 60				PH 1	
SER.F.	1.15		CODE F		DES N		CL F			
NEMA-NOM-EFF	68		PF 70							
RATING	40C AMB-CONT									
CC			USABLE AT 208V							
DE	6203		ODE 6203							
ENCL	OPEN		SN							

AC Induction Motor Performance Data

Record # 61963

Typical performance - not guaranteed values

Winding: 35WGL468-R002			Type: 3520L		Enclosure: OPEN		
Nameplate Data			115 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		1	Full Load Torque		3 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		13/6.5	Breakdown Torque		7.58 LB-FT		
R.P.M.		1725	Pull-up Torque		4.58 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		5.73 LB-FT	
NEMA Design Code		N	KVA Code	F	Starting Current		47.6 A
Service Factor (S.F.)		1.15		No-load Current		10.1 A	
NEMA Nom. Eff.		68	Power Factor	70	Line-line Res. @ 25°C		0.697 Ω A Ph 1.82 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		58°C	
S.F. Amps				Temp. Rise @ S.F. Load		66°C	
				Locked-rotor Power Factor		89	
				Rotor inertia		0.119 LB-FT2	

Load Characteristics 115 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	51	62	71	77	81	75
Efficiency	46.5	61.2	67.3	69.7	68.6	66.1	69
Speed	1782	1770	1755	1739	1718	1691	1726
Line amperes	10.1	10.6	11.6	13	15	17.6	14.2

Performance Graph at 115V, 60Hz, 1.0HP Typical performance - Not guaranteed values





