

BALDOR® • RELIANCE

Product Information Packet

L3912T

15HP,1770RPM,1PH,60HZ,256T,3956LC,TEFC,F

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	39WGX905	CD Diagram:	CD1084	Mfg Plant:	
Mech. Spec:	39T044	Layout:	39LYT044	Poles:	04	Created Date:	03-12-2015
Base:	RG	Eff. Date:	09-21-2017	Leads:	2#6 A PH,2#12 B PH		

Specs			
Catalog Number:	L3912T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	256T	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	E
Output @ Frequency:	15.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	2 @ 6 AWG, A PH
	208.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3956LC
Agency Approvals:	CSA	Mounting Arrangement:	F1
	UR	Power Factor:	96
Auxiliary Box:	No Auxiliary Box	Product Family:	General Purpose
Auxiliary Box Lead Termination:	None	Pulley End Bearing Type:	Ball
Base Indicator:	Rigid	Pulley Face Code:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Shaft Indicator:	Standard
Blower:	None	Rodent Screen:	None
Current @ Voltage:	58.000 A @ 230.0 V	Shaft Extension Location:	Pulley End

	65.000 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
Design Code:	L	Shaft Rotation:	Reversible
Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	No Slinger
Duty Rating:	CONT	Speed Code:	Single Speed
Electrically Isolated Bearing:	Not Electrically Isolated	Motor Standards:	NEMA
Feedback Device:	NO FEEDBACK	Starting Method:	Direct on line
Front Face Code:	Standard	Thermal Device - Bearing:	None
Front Shaft Indicator:	None	Thermal Device - Winding:	None
		Vibration Sensor Indicator:	No Vibration Sensor

Nameplate NP1256L

CAT.NO.	L3912T										
SPEC.	39T044X905										
HP	15										
VOLTS	208-230										
AMP	65-58										
RPM	1720										
FRAME	256T				HZ		60			PH	1
SER.F.	1.00			CODE	E	DES		L	CLASS	F	
NEMA-NOM-EFF	86.5			PF	96						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							
DE	6309			ODE	6307						
ENCL	TEFC		SN								

AC Induction Motor Performance Data

Record # 59422 - Typical performance - not guaranteed values

Winding: 39WGX905-R001	Type: 3956LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	15			Full Load Torque	45.6 LB-FT
Volts	208-230			Start Configuration	direct on line
Full Load Amps	65-58			Breakdown Torque	111 LB-FT
R.P.M.	1720			Pull-up Torque	54.2 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	93.6 LB-FT
NEMA Design Code	L	KVA Code	E	Starting Current	311 A
Service Factor (S.F.)	1			No-load Current	4.94 A
NEMA Nom. Eff.	86.5	Power Factor	96	Line-line Res. @ 25°C	0.12074 Ω A Ph 0.37139 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	100°C

Load Characteristics 230 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	96	98	98	97	96	94
Efficiency	81	88.4	88.8	87	83.5	78.8
Speed	1783.3	1766.1	1746.3	1722.4	1693	1654.6
Line amperes	15.7	28	42	57.5	75.3	97.3

Performance Graph at 230V, 60Hz, 15.0HP Typical performance - Not guaranteed values





