

BALDOR® • RELIANCE

Product Information Packet

EL3606T

3HP,3450RPM,1PH,60HZ,182T,3634LC,TEFC,F1

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3634LC	Elec. Spec:	36WGS115	CD Diagram:	CD0055
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36E004	Layout:	36LYE004
Frame:	182T	Mounting:	F1	Poles:	02	Created Date:	11-12-2008
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-10-2015
Leads:	4#14 A PH,2#16 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2116L

CAT.NO.	EL3606T														
SPEC.	36E004S115E7														
HP	3														
VOLTS	115/230														
AMP	24.8/12.4														
RPM	3450														
FRAME	182T				HZ				60		PH		1		
SER.F.	1.00			CODE		H		DES		L		CL		F	
NEMA-NOM-EFF	82			PF		98									
RATING	40C AMB-CONT														
CC															
DE	6206				ODE		6205				USABLE AT 208V				
ENCL	TEFC			SN											

AC Induction Motor Performance Data

Record # 28248 - Typical performance - not guaranteed values

Winding: 36WGS115-R001	Type: 3634LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	4.71 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	24.8/12.4			Breakdown Torque	17.8 LB-FT
R.P.M.	3450			Pull-up Torque	8.01 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	9.84 LB-FT
NEMA Design Code	L	KVA Code	H	Starting Current	83.7 A
Service Factor (S.F.)	1			No-load Current	1.03 A
NEMA Nom. Eff.	82	Power Factor	98	Line-line Res. @ 25°C	0.57885 Ω A Ph 0.80888 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	56°C

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	99	99	99	98	98	96
Efficiency	73	81.2	82.8	82.3	80.3	76.4
Speed	3555.4	3525.5	3494.2	3457.9	3414.3	3348.5
Line amperes	3.73	6.45	9.31	12.4	15.9	20.8

Performance Graph at 230V, 60Hz, 3.0HP Typical performance - Not guaranteed values





