

BALDOR® • RELIANCE

Product Information Packet

L3515T

2HP,3450RPM,1PH,60HZ,145T,3535L,TEFC,F1

Part Detail

Revision:	T	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WG0506	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	35Y521	Layout:	35LYY521	Poles:	02	Created Date:	12-07-2009
Base:	RG	Eff. Date:	08-26-2016	Leads:	4#14 A PH,2#18 B PH		

Specs

Catalog Number:	L3515T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	145T	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	2.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	4 @ 14 AWG, A PH
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3535L
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	82
	UR	Product Family:	General Purpose
Auxiliary Box:	No Auxiliary Box	Pulley End Bearing Type:	Ball
Auxiliary 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	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	11.500 A @ 230.0 V	Shaft Extension Location:	Pulley End

	12.000 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	23.000 A @ 115.0 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
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	L3515T										
SPEC.	35Y521-0506G1										
HP	2										
VOLTS	115/230										
AMP	23/11.5										
RPM	3450										
FRAME	145T				HZ		60			PH	1
SER.F.	1.15				CODE	K	DES		L	CLASS	F
NEMA-NOM-EFF	74					PF	82				
RATING	40C AMB-CONT										
CC				USABLE AT 208V							12
DE	6205				ODE		6203				
ENCL	TEFC		SN								

AC Induction Motor Performance Data

Record # 20312 - Typical performance - not guaranteed values

Winding: 35WG0506-R001	Type: 3535L	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	23/11.5			Breakdown Torque	9 LB-FT
R.P.M.	3450			Pull-up Torque	6 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7.5 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	78 A
Service Factor (S.F.)	1.15			No-load Current	6 A
NEMA Nom. Eff.	74	Power Factor	82	Line-line Res. @ 25°C	0.864 Ω A Ph 1.26 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	82°C
S.F. Amps				Temp. Rise @ S.F. Load	91°C

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	65	75	81	85	87	83
Efficiency	49.1	64.2	70.5	73.4	74.3	74.1	73.9
Speed	3569	3548	3524	3499	3471	3438	3482
Line amperes	6.65	7.75	9.2	10.9	12.9	15.1	12.1

Performance Graph at 230V, 60Hz, 2.0HP Typical performance - Not guaranteed values





