

BALDOR® • RELIANCE

Product Information Packet

FDL3510M

1HP,1725RPM,1PH,60HZ,56H,3524L,TEFC,F1,N

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524L	Elec. Spec:	35WGS245	CD Diagram:	CD0269
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35E2559	Layout:	35LYE2559
Frame:	56H	Mounting:	F1	Poles:	04	Created Date:	03-26-2014
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	07-22-2015
Leads:	4#16 A&J,2#18 B PH,1#14 #4TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1280L							
CAT.NO.	FDL3510M						
SPEC.	35E2559S245G1						
HP	1						
VOLTS	115/230						
AMP	13/6.5						
RPM	1725						
FRAME	56H	HZ	60	PH	1		
SER.F.	1.15	CODE	K	DES	L	CL	B
NEMA-NOM-EFF	67	PF	73				
RATING	40C AMB-CONT						
CC		USABLE AT 208V	6.8				
DE	6205	ODE	6203				
ENCL	TEFC	SN					

AC Induction Motor Performance Data

Record # 20977 - Typical performance - not guaranteed values

Winding: 35WGS245-R001	Type: 3524L	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				230 V, 60 Hz: High 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	6.6 LB-FT
R.P.M.	1725			Pull-up Torque	5.3 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	9.3 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	37 A
Service Factor (S.F.)	1.15			No-load Current	4.6 A
NEMA Nom. Eff.	67	Power Factor	73	Line-line Res. @ 25°C	2.76 Ω A Ph 1.86 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	75°C
S.F. Amps				Temp. Rise @ S.F. Load	92°C

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	53	65	73	78	82	76
Efficiency	51.1	63	66.8	66.6	63.9	58.9	65
Speed	1781	1766	1749	1725	1697	1658	1708
Line amperes	4.7	5.1	5.7	6.7	8	9.7	7.5

Performance Graph at 230V, 60Hz, 1.0HP Typical performance - Not guaranteed values





