

BALDOR® • RELIANCE

Product Information Packet

FDL3610M

3HP, 1750RPM, 1PH, 60HZ, 184, 3640LC, TEFC, F1

Part Detail

Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGY739	CD Diagram:	CD0002A02	Mfg Plant:	
Mech. Spec:	36Q171	Layout:	36LYQ171	Poles:	04	Created Date:	12-13-2013
Base:	RG	Eff. Date:	03-17-2016	Leads:	2#14 A PH,3#16 B&J		

Specs

Catalog Number:	FDL3610M	KVA Code:	M
Enclosure:	TEFC	Lifting Lugs:	No Lifting Lugs
Frame:	184	Locked Bearing Indicator:	No Locked Bearing
Frame Material:	Steel	Motor Lead Quantity/Wire Size:	2 @ 14 AWG, A PH
Output @ Frequency:	3.000 HP @ 60 HZ	Motor Lead Exit:	Ko Box
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Termination:	Flying Leads
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Type:	3640LC
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	76
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Product Type:	FARM DUTY
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Sealed Bearing
Auxillary 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	Shaft Extension Location:	Pulley End
Current @ Voltage:	15.500 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
Design Code:	L	Shaft Rotation:	Reversible

Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	Shaft 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
Heater Indicator:	No Heater	Vibration Sensor Indicator:	No Vibration Sensor
Insulation Class:	F	Winding Thermal 1:	Manual Thermal Overload
Inverter Code:	Not Inverter	Winding Thermal 1 Location:	KO
		Winding Thermal 2:	None

Nameplate NP1280L

CAT.NO.	FDL3610M									
SPEC.	36Q171Y739G1									
HP	3									
VOLTS	230									
AMP	15.5									
RPM	1750									
FRAME	184				HZ	60		PH	1	
SER.F.	1.00				CODE	M		DES	L	
NEMA-NOM-EFF	80				PF	76		CL	F	
RATING	40C AMB-CONT									
CC					USABLE AT 208V					
DE	6206				ODE	6205				
ENCL	TEFC				SN					

AC Induction Motor Performance Data

Record # 11466 - Typical performance - not guaranteed values

Winding: 36WGY739-R001	Type: 3640LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	3			Full Load Torque	9 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	15.5			Breakdown Torque	32 LB-FT
R.P.M.	1750			Pull-up Torque	31 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	37 LB-FT
NEMA Design Code	L	KVA Code	M	Starting Current	144 A
Service Factor (S.F.)	1			No-load Current	10.7 A
NEMA Nom. Eff.	80	Power Factor	76	Line-line Res. @ 25°C	0.472 Ω A Ph 1.53 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	85°C

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	39	56	68	76	82	85
Efficiency	53.4	70.8	77.9	81	82	81.9
Speed	1791	1782	1775	1768	1759	1749
Line amperes	10.9	11.8	13.5	15.5	18	20.7

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





