

BALDOR® • RELIANCE

Product Information Packet

FDL3504M

.5HP,1725RPM,1PH,60HZ,56,3421L,TEFC,F1

Part Detail									
Revision:	Y	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3421L	Elec. Spec:	34WGW722	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34T008	Layout:			
Frame:	56	Mounting:	F1	Poles:	04	Created Date:			
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	04-07-2011		
Leads:	6#18,1#16 #4TH	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1280L									
CAT.NO.	FDL3504M								
SPEC.	34T08W722								
HP	.5								
VOLTS	115/230								
AMP	7.4/3.7								
RPM	1725								
FRAME	56	HZ			60	PH	1		
SER.F.	1.25	CODE			J	DES	N	CL	B
NEMA-NOM-EFF	68	PF			66				
RATING	40C AMB-CONT								
CC		USABLE AT 208V			4.3				
DE	6203	ODE			6203				
ENCL	TEFC	SN							
	SFA 8.2/4.1								

Parts List		
Part Number	Description	Quantity
SA007534	SA 34T08W722	1.000 EA
RA004079	RA 34T08W722	1.000 EA
TPMRD4747SP	THERMAL 1PH 0.75 MAN SPL LOW TEMP	1.000 EA
EC1270A02SP	ELEC CAP, 270-324 MFD, 125V, 1.48D X 3.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3001A39MP	SPL CONDUIT BOX MODEL 34, MACH THEN PAINT	1.000 EA
34GS1013SP	GASKET, CONDUIT BOX LEXIDE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
RM1014A01SP	BUTYL RUB.THRM COV. (MENA)	1.000 EA
HA6001A01	THERMAL RETAINER (PLATED)	1.000 EA
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 EA
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
NS2500A01	INSULATOR, AUTO THER PROT	1.000 EA
34CB4800SP	CAPACITOR COVER, STAMPED	1.000 EA
34GS3000SP	GASKET, CAPACITOR BOX	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
34FH4002A01SP	IEC FH NO GREASER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1025C02	PAINT, 787.105 LITE TAN EPOXY (USE W/MG1	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
SP5056A24	MODEL 34 TYPE L STATIONARY SWITCH WITH L	1.000 EA
HA3100A44	THRUBOLT 10-32 X 8.000	4.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0008	1PH,DV,7-LEAD,THERMAL,CONNECTION DIAGRAM	1.000 EA
NP1280L	ALUM, UL CSA, W/THERMAL, FARM DUTY,	1.000 EA
34PA1005	PACKING GROUP, BALDOR	1.000 EA

Accessories		
Part Number	Description	Multiplier
34-171	C FACE KIT	A8

Performance Data at 230V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)**General Characteristics**

Full Load Torque:	1.5 LB-FT	Start Configuration:	DOL
No-Load Current:	2.8 Amps	Break-Down Torque:	4.13 LB-FT
Line-line Res. @ 25°C.:	4.44 Ohms A Ph / 3.19 Ohms B Ph	Pull-Up Torque:	3.6 LB-FT
Temp. Rise @ Rated Load:	63 C	Locked-Rotor Torque:	4.65 LB-FT
Temp. Rise @ S.F. Load:	77 C	Starting Current:	16.5 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	32.0	46.0	59.0	66.0	72.0	80.0	72.0
Efficiency:	42.0	58.0	65.0	68.0	69.0	68.0	69.0
Speed:	1783.0	1765.0	1750.0	1730.0	1710.0	1680.0	1710.0
Line Amperes:	2.8	3.0	3.3	3.7	4.1	4.8	4.1

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values





