

BALDOR® • RELIANCE

Product Information Packet

VJMM3218T

5HP,1750RPM,3PH,60HZ,184JM,3630M,ODTF,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3630M	Elec. Spec:	36WGS034	CD Diagram:	CD0005
Enclosure:	ODTF	Mfg Plant:		Mech. Spec:	36N072	Layout:	36LYN072
Frame:	184JM	Mounting:	F1	Poles:	04	Created Date:	06-15-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-08-2013
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	VJMM3218T								
SPEC.	36N072S034H1								
HP	5								
VOLTS	208-230/460								
AMP	15.6-14.4/7.2								
RPM	1750								
FRAME	184JM	HZ			60	PH		3	
SER.F.	1.15	CODE			J	DES		A	CLASS
NEMA-NOM-EFF	87.5	PF			74				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6207	ODE			6205				
ENCL	ODTF	SN							

Parts List		
Part Number	Description	Quantity
SA198896	SA 36N072S034H1	1.000 EA
RA186250	RA 36N072S034H1	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD 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
36EP3200A03	SPL FR ENDPLATE -OPEN- FOR EXT FAN & DRI	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3405A02	PUEP 182-4C OPEN 207 BRG W/BAFF. TSLV, G	1.000 EA
36AD2000	AIR BAFFLE	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4012A01	DRIP COVER NOTCH BOTTOM, W/ AUTOPHERETIC	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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HA1005A07SP	SLINGER, OD 2.25, ID 1.344, 307 BRG	1.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 36904 - Typical performance - not guaranteed values

Winding: 36WGS034-R002	Type: 3630M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	14.8 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	15.6-14.4/7.2			Breakdown Torque	53.8 LB-FT
R.P.M.	1750			Pull-up Torque	29.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	34 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	48 A
Service Factor (S.F.)	1.15			No-load Current	4.21 A
NEMA Nom. Eff.	87.5	Power Factor	74	Line-line Res. @ 25°C	2.8 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	50°C
S.F. Amps				Temp. Rise @ S.F. Load	60°C
				Rotor inertia	0.279 LF ²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	66	74	78	82	76
Efficiency	76.4	85.4	87.5	87.8	87.2	85	87.4
Speed	1788	1778	1766	1754	1740	1721	1746
Line amperes	4.46	5.11	5.99	7.16	8.49	10.4	7.96

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values





