

BALDOR® • RELIANCE

Product Information Packet

VL3605T

2HP,1725RPM,1PH,60HZ,182TC,3628L,TEFC,F1

Part Detail							
Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3628L	Elec. Spec:	36WGW223	CD Diagram:	CD0001
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36C003	Layout:	36LYC003
Frame:	182TC	Mounting:	F1	Poles:	04	Created Date:	
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	09-10-2015
Leads:	4#14 A PH,2#16 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	VL3605T										
SPEC.	36C03W223										
HP	2										
VOLTS	115/230										
AMP	23/11.5										
RPM	1725										
FRAME	182TC				HZ		60			PH	1
SER.F.	1.15		CODE		H	DES		L	CLASS		B
NEMA-NOM-EFF	75.5			PF		74					
RATING	40C AMB-CONT										
CC				USABLE AT 208V							11.7
DE	6206				ODE		6205				
ENCL	TEFC		SN								

Parts List		
Part Number	Description	Quantity
SA034346	SA 36C03W223	1.000 EA
RA030374	RA 36C03W223	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	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	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
36FE3104A01	FREP MACH ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3301A23	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A102	IEC FH GREASER PRIMED	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
37GS1001	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000A01	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.022 GA
EC1850A06SP	ELEC CAP 115V 2.0 X 4.3 X	1.000 EA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
SP5061A01	MODEL 36 TYPE L,F1,SMALL CAP CAN	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 10699 - Typical performance - not guaranteed values

Winding: 36WGW223-R001	Type: 3628L	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	23/11.5			Breakdown Torque	17.4 LB-FT
R.P.M.	1725			Pull-up Torque	11.4 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	14.4 LB-FT
NEMA Design Code	L	KVA Code	H	Starting Current	71 A
Service Factor (S.F.)	1.15			No-load Current	7.1 A
NEMA Nom. Eff.	75.5	Power Factor	74	Line-line Res. @ 25°C	0.96 Ω A Ph 1.14 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, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	54	66	74	78	80	77
Efficiency	61	73	75	75.5	74	73	74.5
Speed	1788	1775	1760	1745	1730	1712	1725
Line amperes	7.5	8.4	9.8	11.5	13.7	15.8	12.8

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





