

BALDOR® • RELIANCE

Product Information Packet

VEWDM3615T

5HP,1750RPM,3PH,60HZ,184TC,3642M,TEFC,F1

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3642M	Elec. Spec:	36WGS268	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36K187	Layout:	36LYK187
Frame:	184TC	Mounting:	F1	Poles:	04	Created Date:	08-02-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	06-08-2016
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1669L

CAT.NO.	VEWDM3615T														
SPEC.	36K187S268G1														
HP	5														
VOLTS	230/460														
AMP	13.4/6.7														
RPM	1750														
FRAME	184TC				HZ		60			PH	3				
SER.F.	1.15		CODE		J	DES		B	CLASS		F				
NEMA-NOM-EFF	89.5			PF		78									
RATING	40C AMB-CONT														
CC	010A				USABLE AT 208V							13.9			
DE	6206				ODE		6205								
ENCL	TEFC		SN												
BLANK															

Parts List		
Part Number	Description	Quantity
SA200715	SA 36K187S268G1	1.000 EA
RA188028	RA 36K187S268G1	1.000 EA
36FN3000C01	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
36CB3005A03W	36 CB .75 NPT @ 6 W/WHITE EPOXY	1.000 EA
35GS1040	35 MOLDED GASKET W/LIP, LEAD SEAL,	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
36EP3104A03MW	FREP MACH (RAISED FH PADS) WHITE EPOXY	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3301A27MW	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B50SP	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 EA
10XN2520S26	1/4-20X 1 5/8 HEX HD SS	4.000 EA
36FH4010A08	IEC FH NO GREASER - W/PRIMER	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
HA1005A03SP	SLINGER, OD 1.750, ID .938, 205 BRG	1.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 EA
36CB4518	36 LIPPED CB LID PRIMED	1.000 EA
37GS3010	1/16"WHITE LID GASKET	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025Z02	ACTIVATOR WILKOFASST 060.02HF	0.010 GA
MG1025W01	WILKOFASST, 781.01, SIGNAL WHITE #9003	0.022 GA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HA3101S28	THRUBOLT- 1/4-20 X 12.50 SS	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1669L	SS WD SUPER-E UL CSA-EEV PREM REV MTG	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 35063 - Typical performance - not guaranteed values

Winding: 36WGS268-R016	Type: 3642M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	14.9 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	13.4/6.7			Breakdown Torque	52.2 LB-FT
R.P.M.	1750			Pull-up Torque	31.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	34.9 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	49.1 A
Service Factor (S.F.)	1.15			No-load Current	3.24 A
NEMA Nom. Eff.	89.5	Power Factor	78	Line-line Res. @ 25°C	2.27 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	77°C
S.F. Amps				Temp. Rise @ S.F. Load	93°C
				Locked-rotor Power Factor	39.8
				Rotor inertia	0.391 LB-FT ²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	60	72	78	83	83	81
Efficiency	85	89.7	90.6	89.6	88.6	87	89
Speed	1789	1776	1762	1750	1733	1714	1740
Line amperes	3.55	4.31	5.43	6.65	7.94	9.64	7.42

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





