

ABB BALDOR RELIANCE III

Customer information packet

EWDM3607T

1.5HP, 1165RPM, 3PH, 60HZ, 182T, TEFC, F1

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGS916
Layout	36LYK186
Eff. date	11-20-2025
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	01-06-2020

Nameplate

NP1669L									
CAT.NO.	EWDM3607T								
SPEC.	36-0000-0263								
HP	1.5								
VOLTS	230/460								
AMP	4.8/2.4								
RPM	1165								
FRAME	182T		HZ	60			PH	3	
SER.F.	1.15	CODE	K	DES	B	CLASS	F		
NEMA-NOM-EFF	87.5	PF	67						
RATING	40C AMB-CONT								
CC	010A								
DE	6206		ODE	6205					
ENCL	TEFC	SN							
BLANK	20:1CT, 20:1VT,1.00SF								

Parts List

Part number	Description	Quantity
SA377593	SA 36-0000-0263	1.000 ea
RA367493	RA 36-0000-0263	1.000 ea
LB1164	LABEL,WARNING AND DRAIN	1.000 ea
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
NP1669L	SS WD SUPER-E UL PREM REV MTG	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 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
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
HA3101S25	THRUBOLT 1/4-20 X 11.00	4.000 ea
XY2520S12	1/4-20 SS HEX NUT	4.000 ea
36EP3104A03MW	FREP MACH (RAISED FH PADS) WHITE EPOXY	1.000 ea
HW4600B32SP	V-RING SLINGER 1.000 X 1.540 X .24 VITON	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 ea
36EP3100A40MW	PU ENDPLATE-ENCL.WASH DOWN DUTY (WHITE E	1.000 ea
HW4600B36SP	V-RING SLINGER 1.188 X 1.380 X .24 VITON	1.000 ea
HW4600B50	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 ea
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 ea
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 ea
36CB3005A03W	36 CB .75 NPT @ 6 W/WHITE EPOXY	1.000 ea
35GS1039	05 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 ea
36CB4518	36 LIPPED CB LID PRIMED	1.000 ea
37GS3010SP	1/16"WHITE LID GASKET	1.000 ea
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 ea
MG1025W01	WILKOFAS, 781.01, SIGNAL WHITE #9003	0.022 ga

MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 qt
GOPA1000	PKG GRP, PRINT PK1026A06	1.000 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
MG1025Z02	ACTIVATOR WILKOFAS 060.02HF 55 GALLON	0.022 ga
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
PE-0000002	ZRTG PE ASSEMBLY	1.000 ea

AC Induction Motor Performance Data

Record # 49238

Typical performance - not guaranteed values

Winding: 36WGS916-R017			Type: 3632M	Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1.5	Full Load Torque		6.85 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		4.8/2.4	Breakdown Torque		23.8 LB-FT		
R.P.M.		1165	Pull-up Torque		12.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		15.3 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		15.8 A
Service Factor (S.F.)		1.15	No-load Current		1.47 A		
NEMA Nom. Eff.		87.5	Power Factor	67	Line-line Res. @ 25°C		7.12 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		34°C
S.F. Amps			Temp. Rise @ S.F. Load		40°C		
			Locked-rotor Power Factor		30.1		
			Rotor inertia		0.301 LB-FT2		

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	48	59	67	71	74	69
Efficiency	79.3	86.1	87.8	87.5	86.6	85.5	87
Speed	1192	1185	1177	1168	1158	1148	1162
Line amperes	1.57	1.77	2.07	2.42	2.88	3.36	2.7

ABB Motors and Mechanical Inc.

WINDING # 36WGS916

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1165 RPM 460 V 3632M

TORQUES (LB-FT): PO=23.8 PU=12.5 LR=15.3 LRA=15.8





