

BALDOR® • RELIANCE 

Product Information Packet

IDWNM3611T

3HP, 1760RPM, 3PH, 60HZ, 184TC, 3640M, TENV, F1

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGS952	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36J565	Layout:	36LYJ565	Poles:	04	Created Date:	05-31-2012
Base:	RG	Eff. Date:	04-20-2020	Leads:	9#16		

Specs			
Catalog Number:	IDWNM3611T	Insulation Class:	H
Enclosure:	TENV	Inverter Code:	Inverter Duty
Frame:	184TC	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3640M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	78
	CSA	Product Family:	Wash Down
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	4.100 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding

	8.200 A @ 230.0 V	Shaft Rotation:	Reversible
Design Code:	B	Shaft Slinger Indicator:	Shaft Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Encoder/Feedback Device	Thermal Device - Winding:	Normally Closed Thermostat
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1608L	
CAT NO	IDWNM3611T
SPEC.	36J565S952G1
FRAME	184TC HP 3 TE
VOLTS	230/460
MAG CUR	4.2/2.1 FLA 8.2/4.1
RPM	1760 RPM MAX 6000
HZ	60 PH 3 CLASS H
SER.F.	1.00 DES B SL HZ 1.4
NEMA-NOM-EFF	89.5 WK2 0.372
BLWR V	PH HZ A
RATING	40C AMB-CONT
DE BRG	6206 ODE BRG 6205
CC	010A SN

Parts List		
Part Number	Description	Quantity
SA245428	SA 36J565S952G1	1.000 EA
RA232315	RA 36J565S952G1	1.000 EA
36CB3005A03W	36 CB .75 NPT @ 6 W/WHITE EPOXY	1.000 EA
35GS1022A03	GASKET BOX .125 THK WHITE NEOPRENE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
36EP3104A77MW	FREP TENV 205 BRG, (WD) FOR THRU-SHAFT	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 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
HW4600B50	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
35FH4801W	THRU-SHAFT ENCODER COVER INV/VEC F1 & F2	1.000 EA
WD4129	1.50 X 1.50 GRAY SNAP IN PLUG PROMOULD #	2.000 EA
10XN2520S08	SCREW, 1/4-20 X 1/2 HHCS SS	4.000 EA
10XN2520S08	SCREW, 1/4-20 X 1/2 HHCS SS	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
HW1003S08	WASHER, #8 EX TH LK, SS	4.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.005 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
MG1025Z02	ACTIVATOR WILKOFAS 060.02HF	0.010 GA
MG1025W01	WILKOFAS 781.01, SIGNAL WHITE #9003	0.022 GA
HA3101S28	THRUBOLT- 1/4-20 X 12.50 SS	4.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1608L	SS WD INV UL CSA CC REV MTG	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA



AC Induction Motor Performance Data

Record # 39007

Typical performance - not guaranteed values

Winding: 36WGS952	Type: 3640M	Enclosure: TENV
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Nameplate Data			General Characteristics at 460 V, 60 Hz: High Volt Connection		
Rated Output (HP)	3		Full Load Torque	9.1 LB-FT	
Volts	208-230/460		Start Configuration	DOL	
Full Load Amps	8-6-8.2/4.1		Break Down Torque	35 LB-FT	
R.P.M.	1760		Pull-Up Torque	18.8 LB-FT	
Hz	60	Phase	Locked-rotor Torque	22.7 LB-FT	
NEMA Design Code	B	KVA Code	Starting Current	32.9 Amps	
Service Factor	1		No-load Current	2.09 Amps	
NEMA Nom. Eff.	89.5	P.F.	Line-line Res. @ 25°C.	3.3157 Ohms	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	74°C	
S.F. Amps			Temp. Rise @ S.F. Load		

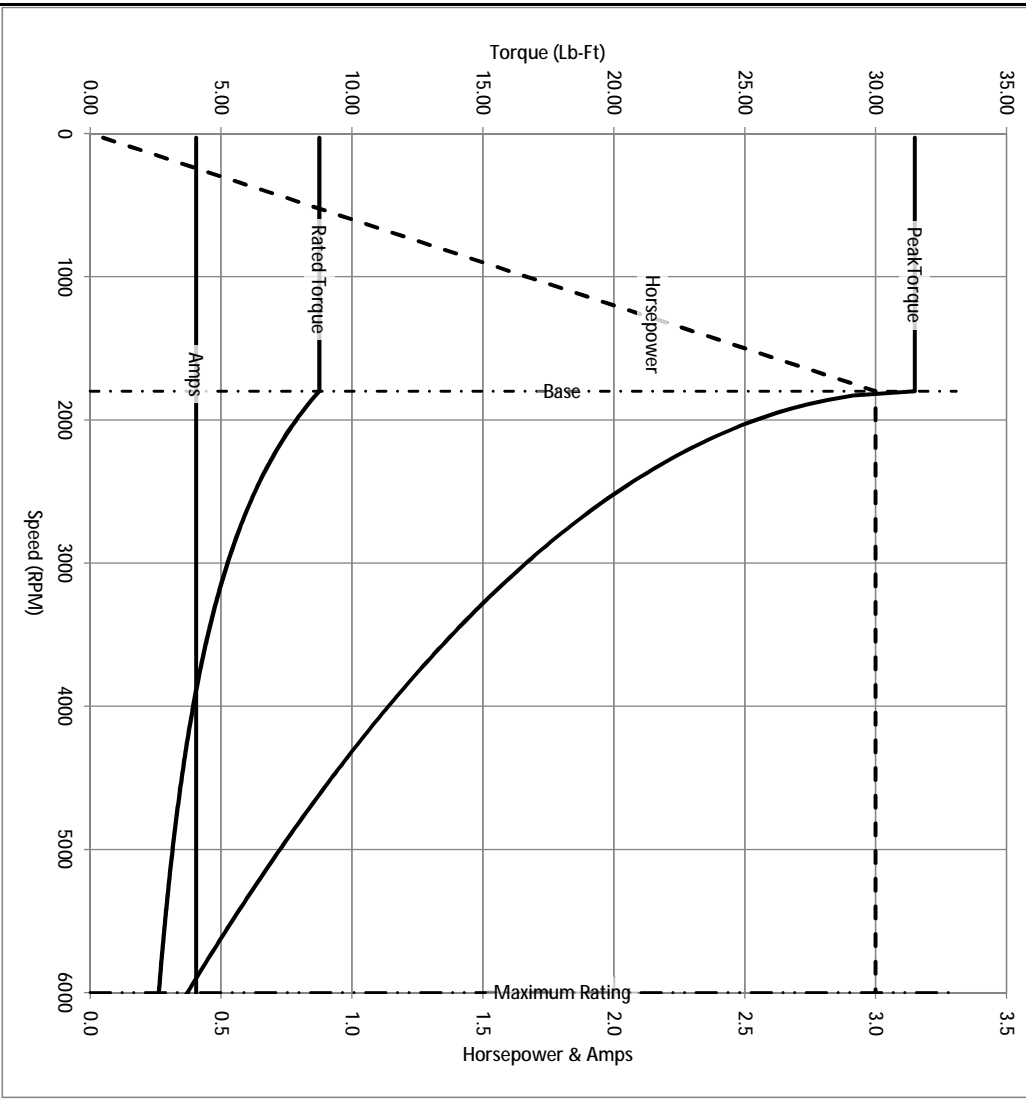
Load Characteristics at 460 Volts, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	60	71	78	82	84	
Efficiency	83.8	89.3	90.4	90.3	89.6	88.5	
Speed	1790.1	1780.3	1769.9	1758.7	1746.6	1732.6	
Line Amperes	2.29	2.72	3.34	4.05	4.86	5.75	

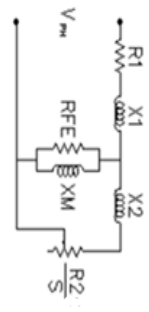
Baldor Electric Company Fort Smith, Arkansas



Catalog	IDWNM3611T	NP VOLTS	230/460	ENCLOSURE	TENV	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)
FRAME	184TC	NP AMPS	8.2/4.1	Base Volts	460	R1 1.640 X1 5.143
HP	3 HP	DUTY	Cont	Base AMPS	4.05	R2 1.260 X2 4.486
BASE SPEED	1800	MAX SAFE RPM	6000	Slip Hz	1.37	XM1 120.167
PHASE/HZ	3/60	AMB ⁰ /INSUL	40/H	WK ² (lb-ft ²)	0.372	



Remarks: Calculated Data



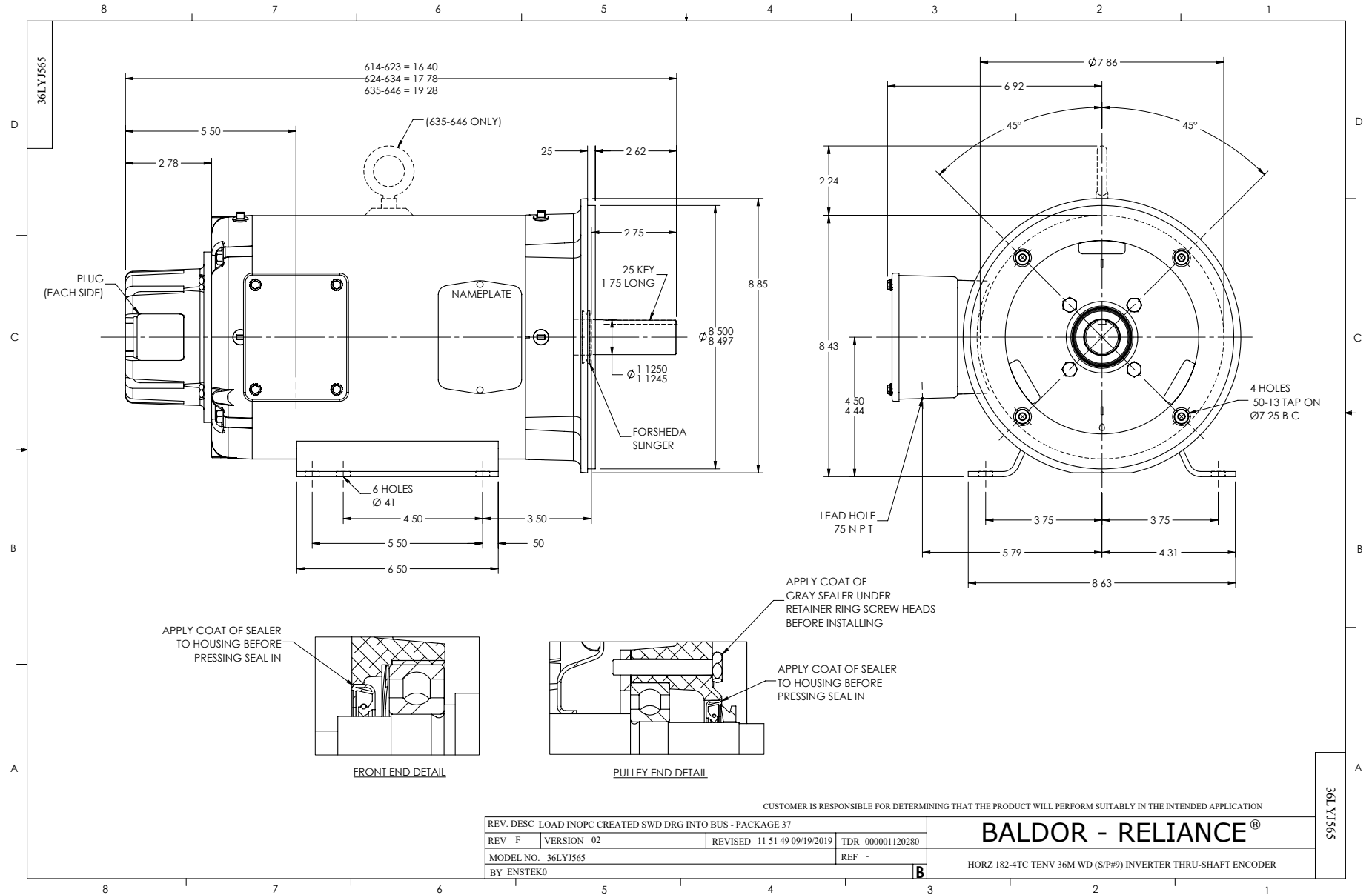
BALDOR DR BY ENR
 CK BY
 APP BY ENR
 DATE 3/6/2013

A MEMBER OF THE ABB GROUP

36J565S952G1

A-C MOTOR
 PERFORMANCE CURVES

ISSUE DATE 3/6/2013



CD0005

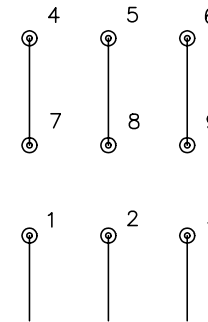


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005