



Product Information Packet

IDNM3665T

5HP,1760RPM,3PH,60HZ,184TC,0640M,TENV,F1

Part Detail							
Revision:	T	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	06WGW531	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	06F551	Layout:	06LYF551	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	04-29-2015	Leads:	9#16		

Specs			
Catalog Number:	IDNM3665T	Insulation Class:	H
Enclosure:	TENV	Inverter Code:	Inverter Duty
Frame:	184TC	KVA Code:	L
Frame Material:	Iron	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	5.000 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:	0640M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	80
	CSA	Product Family:	General Purpose
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:	13.200 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	6.600 A @ 460.0 V	Shaft Rotation:	Reversible
Design Code:	B	Shaft Slinger Indicator:	No 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 NP1162L

CAT NO	IDNM3665T												
SPEC.	06F551W531G1												
FRAME	184TC				HP	5	TE						
VOLTS	230/460												
MAG CUR	7.2/3.6					FLA	13.2/6.6						
RPM	1760				RPM MAX	6000							
HZ	60			PH	3	CLASS	H						
SER.F.	1.00			DES	B	SL HZ	1.6						
NEMA-NOM-EFF	89.5			WK2	0.37								
BLWR V			PH		HZ						A		
RATING	40C AMB-CONT												
DE BRG	6206			ODE BRG	6205								
CC	010A		SN										

Parts List		
Part Number	Description	Quantity
SA074501	SA 06F551W531G1	1.000 EA
RA068190	RA 06F551W531G1	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
06CB3000	BALDOR CONDUIT BOX CAST	1.000 EA
06GS1000	GASKET,CONDUIT BOX	1.000 EA
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	2.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
36EP1101B70	FR TENV 205 BRG W/ GRSR & THRU-SHAFT ENC	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE1300A01	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A26	1/4-20X 1 5/8 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA3101A34	THRUBOLT- 1/4-20 X 10.375	4.000 EA
35FH4801G	THRU-SHAFT ENCODER COVER INV/VECTOR F1 &	1.000 EA
WD4129	1.50 X 1.50 GRAY SNAP IN PLUG PROMOULD #	2.000 EA
10XN2520A08	1/4-20X1/2 HEX HEAD CAP	4.000 EA
10XN2520A08	1/4-20X1/2 HEX HEAD CAP	1.000 EA
06CB3500	BALDOR CONDUIT BOX LID	1.000 EA
06GS1001	BALDOR CONDUIT BOX GASKET	1.000 EA
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1162L	SS INV UL CSA CC	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Page 1 of 1

**AC Induction Motor Performance Data**
Record # 515
Typical performance - not guaranteed values

Winding: 06WGW531	Type: 0640M	Enclosure: TENV
--------------------------	--------------------	------------------------

Nameplate Data			General Characteristics at 460 V, 60 Hz: High Volt Connection				
Rated Output (HP)	5		Full Load Torque	15 LB-FT			
Volts	230/460		Start Configuration	DOL			
Full Load Amps	13.2/6.6		Break Down Torque	60 LB-FT			
R.P.M.	1760		Pull-Up Torque	36 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque	43 LB-FT		
NEMA Design Code	B	KVA Code	L	Starting Current	58 Amps		
Service Factor	1			No-load Current	3.6 Amps		
NEMA Nom. Eff.	89.5	P.F.	80	Line-line Res. @ 25°C.	2.11 Ohms		
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	98°C		
S.F. Amps				Temp. Rise @ S.F. Load			

Load Characteristics at 460 Volts, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	72	79	83	86	
Efficiency	84.5	89.4	90.3	90	89	87.6	
Speed	1788	1777	1764	1751	1737	1721	
Line Amperes	3.8	4.5	5.5	6.6	7.9	9.3	

Baldor Electric Company Fort Smith, Arkansas



2/26/2013





