

BALDOR® • RELIANCE

Product Information Packet

IDXM7064T

50HP,1775RPM,3PH,60HZ,326T,1272M,XPFC,F1

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1272M	Elec. Spec:	12WGY141	CD Diagram:	CD0180
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	12G164	Layout:	12LYG164
Frame:	326T	Mounting:	F1	Poles:	04	Created Date:	06-07-2013
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	07-17-2014
Leads:	9#6					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0890XPSL							
NO.		CC	010A				
S/N		TEMP CODE	T2B				
SPEC.	12G164Y141G1	INV.TYPE	PWM				
CAT.NO.	IDXM7064T	C HP FR	60	C HP TO	90		
HP	50	CT HZ FROM	30	CT HZ TO	60		
VOLTS	230/460	VT HZ FROM	6	VT HZ TO	60		
AMPS	116/58	MAG CUR	42/21				
RPM	1775	MX RPM	2700				
HZ	60	PH	3	CL	F	NOM.EFF.	94.5
SER.F.	1.00	DES	A	SL HZ	0.83	WK2	9.59
FRAME	326T	RATING	40C AMB-CONT				

Parts List		
Part Number	Description	Quantity
SA264304	SA 12G164Y141G1	1.000 EA
RA251016	RA 12G164Y141G1	1.000 EA
09FN3001C03	EXTERNAL FAN, PLASTIC	1.000 EA
12CB1003A02	CONDUIT BOX MACH. GROUP C MTRS	1.000 EA
10XN3118K24	5/16-18 X 1.50" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B19	TERMINAL BURNDY L250HP	1.000 EA
10XN3816K12	3/8-16 X 3/4 HEX HD CAP GRADE 5	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	1.000 EA
12EP1705A01	ENDPLATE, MACH. 312 - EXPLOSION PROOF 31	1.000 EA
HA3051A03	1/2-13X2.75 BLT GR8 1.75 TO E NC F/S	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,.879 OD, .509 I	4.000 EA
HW5100A13	W4627-047 WVY WSHER	1.000 EA
12EP1706A01	ENDPLATE, MACH. 312 - EXPLOSION PROOF 31	1.000 EA
HA3051A03	1/2-13X2.75 BLT GR8 1.75 TO E NC F/S	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,.879 OD, .509 I	4.000 EA
10XN3118K44	5/16-18 X 2.75" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
12FH1001A01	FAN HOUSING 312 EXPLOSION PROOF MOTORS	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	3.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	3.000 EA
12CB1502A01	CONDUIT BOX LID MACH. GROUP C MTRS	1.000 EA
84XN5013J32	SOCKET HD.CAP SCR,1/2-13 X 2"LG,ALLOY ST	10.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,.879 OD, .509 I	10.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW2501H34	KEY, 1/2 SQ X 4.00	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1081	ALUM XP CAUTION LABEL	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.200 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025G05	MEDIUM CHARCOAL METALLIC GREY	0.080 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	6.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP0890XPSL	SS XP INV UL CSA CC CL-I GP-D	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 42430 - Typical performance - not guaranteed values

Winding: 12WGY141-R021	Type: 1272M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	50			Full Load Torque	147 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	116/58			Breakdown Torque	396 LB-FT
R.P.M.	1775			Pull-up Torque	183 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	254 LB-FT
NEMA Design Code	A	KVA Code	G	Starting Current	397 A
Service Factor (S.F.)	1			No-load Current	19.8 A
NEMA Nom. Eff.	94.5	Power Factor	85	Line-line Res. @ 25°C	0.10889 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	64°C
				Rotor inertia	9.59 LF ²

Load Characteristics 460 V, 60 Hz, 50 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	53	74	83	86	87	87
Efficiency	91.3	94.3	94.8	94.6	94	93.1
Speed	1794.5	1789.3	1783.5	1777.5	1770.7	1761.5
Line amperes	24.2	33.5	44.7	57.6	71.5	90

Performance Graph at 460V, 60Hz, 50.0HP Typical performance - Not guaranteed values





