

BALDOR® • RELIANCE

Product Information Packet

OF4100T

15HP,1125RPM,3PH,60HZ,284T,1048M,TEFC,F2

Part Detail							
Revision:	AD	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1048M	Elec. Spec:	10WGY143	CD Diagram:	CD0321
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	10F492	Layout:	10LYF492
Frame:	284T	Mounting:	F2	Poles:	06	Created Date:	01-09-2006
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-14-2015
Leads:	12#12 ML2600A12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2961E										
CAT.NO.	OF4100T									
SPEC.	10F492Y143G1									
HP	15									
VOLTS	230/460/796									
AMP	40/20/11.6									
RPM	1125									
FRAME	284T				HZ	60			PH	3
SER.F.	1.15		CODE	G	DES	D		CLASS	F	
NEMA-NOM-EFF	87.5			PF	81					
RATING	40C AMB-CONT									
CC					USABLE AT 208V					
DE	6311				ODE	6309				
ENCL	TEFC		SN							

Nameplate NP0090E

FRONT

6309

PULLEY

6311

LUBRICATE WITH

GREASE

POLYREX EM

Parts List		
Part Number	Description	Quantity
SA137232	SA 10F492Y143G1	1.000 EA
RA126850	RA 10F492Y143G1	1.000 EA
09FN3001A02SP	EXTERNAL FAN, PLASTIC KENCO	1.000 EA
10CB1000A09P	CONDUIT BOX, MACH W/EPOXY PRIMER	1.000 EA
09GS1010	GASKET, DWG, LEADWIRE SEPERATOR	1.000 EA
10XN3118K16	5/16-18 X 1' GRADE #5, STL, ZINC PLATE	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT .591 OD, .319 I	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	3.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
10XN2520K06	1/4-20 X 3/8" HX HD SCREWGRADE 5, ZINC P	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
10EP1104A01PP5	FR ENDPLATE, MACH W/PRIMER & PAINT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW4600B67	V-RING SLINGER 1.770 X 2.170 X .28 VITON	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10XN2520K32	1/4-20 X 2.00 HX HD SCRW GRADE 5, ZINC P	2.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
10EP1105A01P	MACH'D EPOXY PRIMED EP	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW4600B40	V-RING SLINGER 2.000 X 2.680 X .28 VITON	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10FH1007P	FAN COVER, CAST W/EPOXY PRIMER	1.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT .591 OD, .319 I	3.000 EA
10CB1503A01P	CONDUIT BOX LIPPED LID, MACH W/EPXY PRMR	1.000 EA
14GS1003	GASKET CONDUIT BOX LID, NEOP	1.000 EA
10XN2520K06	1/4-20 X 3/8" HX HD SCREWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.031 QT
MJ5001A14	DYNAPRO SEAL, CP MOTORS VC#2508050 (603	0.026 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4017A03	.125 X 1.75 GREASE EXT (F/S)	1.000 EA
HW4019A01	PIPE COUPLING 1/8 NPT,STEEL,ZINC COATING	1.000 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4017A11	1/8 X 2.75 GREASE EXT (F/S)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.130 LB
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
10XN3118K24	5/16-18 X 1.50" HEX HD, GRADE 5	3.000 EA

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MG1025G03	WILKOFAST, 789.901, OIL RIG SILVER	0.125 GA
10XN3118K24	5/16-18 X 1.50" HEX HD, GRADE 5	3.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0321	CONNECTION LABEL	1.000 EA
NP2961E	ALUM CSA CC	1.000 EA
NP0090E	SS NO LOGO'S BEARING & GREASE DATA	1.000 EA
10PA1000	PACKAGING GROUP COMBINED PRINT PK1023A06	1.000 EA

Accessories		
Part Number	Description	Multiplier
10-1305	C FACE KIT	A8
10EP1502A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 22092 - Typical performance - not guaranteed values

Winding: 10WGY143-R001	Type: 1048M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: 2nd Voltage Connection	
Rated Output (HP)	15			Full Load Torque	69.3 LB-FT
Volts	230/460/796			Start Configuration	direct on line
Full Load Amps	40/20/11.6			Breakdown Torque	250 LB-FT
R.P.M.	1125			Pull-up Torque	140 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	185 LB-FT
NEMA Design Code	D	KVA Code	G	Starting Current	119 A
Service Factor (S.F.)	1.15			No-load Current	9.5 A
NEMA Nom. Eff.	87.5	Power Factor	81	Line-line Res. @ 25°C	0.567 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C
S.F. Amps				Temp. Rise @ S.F. Load	88°C

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	65	75	81	83	84	82
Efficiency	83.5	88.2	88.5	87.5	85.5	82.9	86.3
Speed	1183	1167	1150	1130	1108	1081	1117
Line amperes	9.66	12.3	15.7	20.2	24.6	30	22.7

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values





