

BALDOR® • RELIANCE

Product Information Packet

CECP4115T

50HP,1775RPM,3PH,60HZ,324TC,1272M,TEFC,F

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1272M	Elec. Spec:	12WGY141	CD Diagram:	CD0180
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	12G214	Layout:	12LYG214
Frame:	324TC	Mounting:	F1	Poles:	04	Created Date:	01-10-2014
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-27-2016
Leads:	9#6					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3241

CAT.NO.	CECP4115T		P/N			ENCLOSURE	TEFC		
SPEC.	12G214Y141G1	CC	010A	FRAME	324TC	S/N			
HP	50		CLASS	F	HZ	60	DES	A	
RPM	1775		RPM MAX	2700	PH	3	KVA-CODE	H	
VOLT	230/460		MOTOR WEIGHT	700					
AMP	116/58		SER.F.	1.15	PF	85	ODE BRG	6312	
RATING	40C AMB-CONT		NEMA-NOM-EFF	94.5	GREASE	POLYREX EM			
					INV.TYPE	PWM			
TEMP CODE	T3	INVERTER-TEMP-CODE	200						
TEMP =	200	C HP FR	60	C HP TO	90				
CT HZ FROM	0.8	CT HZ TO	60						
HTR-VOLTS		HTR-AMPS		HTR-WATTS		MAX. SPACE HEATER TEMP.		VT HZ FROM	0
								VT HZ TO	60

Parts List		
Part Number	Description	Quantity
SA274991	SA 12G214Y141G1	1.000 EA
RA261573	RA 12G214Y141G1	1.000 EA
09FN3001C03	EXTERNAL FAN, PLASTIC	1.000 EA
10CB1000A04E	CONDUIT BOX, MACH W/E-COAT	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
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
10XN2520K08	1/4-20 X .50 GRADE #5, STL, ZINC PLATE	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
HA4017A02	.125X2.50 GREASER EXTENS.F/S	1.000 EA
HW4019A01	PIPE COUPLING 1/8 NPT,STEEL,ZINC COATING	1.000 EA
HA4017A01	1/8 X 4 GREASE EXT (F/S)	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA3400A13	STUD, 1/2-13 X 7" WELKER	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,879 OD, .509 I	4.000 EA
HW4600B41	V-RING SLINGER 2.125 X 2.880 X 0.280	1.000 EA
HW5100A15	W4997-050 WVY WSHR (WB)	1.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	2.000 EA
12EP1105A97P	PU EP, MACH, PLS W/EPOXY PRIMER	1.000 EA
10XN5013K28	1/2-13 X 1.75 HEX HEAD MACH SCREW,GRAD	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,879 OD, .509 I	4.000 EA
HW4600B41	V-RING SLINGER 2.125 X 2.880 X 0.280	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10XN3118K44	5/16-18 X 2.75" HEX HD, GRADE 5	4.000 EA
12FH1002A59P	FAN COVER, MACH W/EPOXY PRIMER	1.000 EA
XY5013A12	NUT, 1/2-13, HEX, STEEL, ZINC PLATED	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT., .879 OD, .509 I	4.000 EA
10CB1503A01P	CONDUIT BOX LIPPED LID, MACH W/EPXY PRMR	1.000 EA
14GS1003	GASKET CONDUIT BOX LID, NEOP	1.000 EA
10XN2520K16	1/4-20 X 1" HX HD SCRW GRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HW2501H33	KEY, 1/2 SQ X 3.875	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.031 QT
MJ5001A14	DYNAPRO SEAL, CP MOTORS VC#2508050 (603	0.030 EA
LB1115N	LABEL, LIFTING DEVICE (ON ROLLS)	1.000 EA
12EP1111A57GE6	FR ENDPLATE, MACH W/E-COAT & MG1025N19	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LB1002N	LABEL, MARINE DUTY (ON ROLLS)	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (US 4824-15A)	0.200 LB
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA

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HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025N19	WILKOFAS, 778.50, RELIANCE BLUE-GREEN	0.080 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP3241	SS SUPER-E INV UL CSA-EEV PREM CC	1.000 EA
12PA1000	PACKAGING GROUP PRINT PK1024A06	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA

AC Induction Motor Performance Data

Record # 47180 - Typical performance - not guaranteed values

Winding: 12WGY141-R031	Type: 1272M	Enclosure: TEFC
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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	H	Starting Current	397 A
Service Factor (S.F.)	1.15			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
S.F. Amps				Temp. Rise @ S.F. Load	79°C

Load Characteristics 460 V, 60 Hz, 50 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	74	83	86	87	87	87
Efficiency	91.3	94.3	94.8	94.6	94	93.1	94.2
Speed	1794.5	1789.3	1783.5	1777.5	1770.7	1761.5	1773
Line amperes	24.2	33.5	44.7	57.6	71.5	90	65.9

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





