

BALDOR® • RELIANCE

Product Information Packet

OF3320T

20HP,1125RPM,3PH,60HZ,286T,4040M,OPSB,F

Part Detail							
Revision:	N	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4040M	Elec. Spec:	40WGW749	CD Diagram:	CD0321
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40G96	Layout:	40LYG096
Frame:	286T	Mounting:	F2	Poles:	06	Created Date:	12-15-2005
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	07-17-2014
Leads:	12#12 ML4400b12 Y					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2961E										
CAT.NO.	OF3320T									
SPEC.	40G096W749									
HP	20									
VOLTS	230/460/796									
AMP	60/30/17.2									
RPM	1125									
FRAME	286T	HZ			60	PH		3		
SER.F.	1.15	CODE			G	DES		D	CLASS	F
NEMA-NOM-EFF	84	PF			74					
RATING	40C AMB-CONT									
CC		USABLE AT 208V								
DE	6311	ODE			6310					
ENCL	OPSB	SN								

Parts List		
Part Number	Description	Quantity
SA136595	SA 40G096W749	1.000 EA
RA126265	RA 40G096W749	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
HA6017	CAST ADAPTER, 40,42 KOBX	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
10CB1000A09	CONDUIT BOX, MACH	1.000 EA
09GS1010	GASKET, DWG, LEADWIRE SEPERATOR	1.000 EA
19XW3118A16	.31-18 HEX WASHER HEAD TAPTITE II 1.00 L	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
40EP1202A02	FR/PU ENDPLATE, MACH	1.000 EA
HW5100A12	W4300-045 WVY WSHR (WB)	1.000 EA
HA1103A06	40-76 RODENT SCREEN	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
10XN3118K36	5/16-18 X 2.25" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
40EP1202A04	PU ENDPLATE, MACH	1.000 EA
HA1103A06	40-76 RODENT SCREEN	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
10CB1500A01SP	CONDUIT BOX LID, MACH	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
HW2501H28	KEY, 1/2 SQ X 3.250	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
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MG1025G03	PAINT,789.901 WILKOFASST SILVER OIL FIEL	0.030 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
HA3154A03	STUD, 3/8-16 X 17.75	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA
LC0321	CONNECTION LABEL	1.000 EA
NP2961E	ALUM CSA CC	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

AC Induction Motor Performance Data

Record # 21707 - Typical performance - not guaranteed values

Winding: 40WGW749-R001	Type: 4040M	Enclosure: OPEN
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: 2nd Voltage Connection	
Rated Output (HP)	20			Full Load Torque	93.6 LB-FT
Volts	230/460/796			Start Configuration	direct on line
Full Load Amps	60/30/17.2			Breakdown Torque	345 LB-FT
R.P.M.	1125			Pull-up Torque	235 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	253 LB-FT
NEMA Design Code	D	KVA Code	G	Starting Current	156 A
Service Factor (S.F.)	1.15			No-load Current	17 A
NEMA Nom. Eff.	84	Power Factor	74	Line-line Res. @ 25°C	0.448 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	73°C
S.F. Amps				Temp. Rise @ S.F. Load	90°C

Load Characteristics 460 V, 60 Hz, 20 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	54	67	74	78	80	76
Efficiency	78.6	85.2	85.9	84.7	82.6	78.9	83.4
Speed	1182	1168	1144	1120	1092	1054	1103
Line amperes	17.2	20.2	24.5	29.8	36.1	44.3	33.6

Performance Graph at 460V, 60Hz, 20.0HP Typical performance - Not guaranteed values





