

BALDOR® • RELIANCE

Product Information Packet

VLCP3774T

10HP,1760RPM,3PH,60HZ,215LP,0733M,TEFC,F

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0733M	Elec. Spec:	07WGX761	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	07H347	Layout:	07LYH347
Frame:	215LP	Mounting:	F1	Poles:	04	Created Date:	06-23-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-08-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1258E									
CAT.NO.	VLCP3774T								
SPEC.	07H347X761H1								
HP	10								
VOLTS	208-230/460								
AMP	27.5-26/13								
RPM	1760								
FRAME	215LP	HZ			60	PH		3	
SER.F.	1.15	CODE			H	DES		B	CL F
NEMA-NOM-EFF	89.5	PF			80				
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	QJ211	ODE			6307				
ENCL	TEFC	SN							

Nameplate NP0090E	
FRONT	6307
PULLEY	QJ211
LUBRICATE WITH	
GREASE	POLYREX EM

Parts List		
Part Number	Description	Quantity
SA199212	SA 07H347X761H1	1.000 EA
RA186550	RA 07H347X761H1	1.000 EA
37FN3002B01	EXFN, PLASTIC, 7.50 OD, 1.155 ID	1.000 EA
HA6481	S.S. LIFTING EYE BRACKET FOR 306 & 307 F	2.000 EA
10XN3816S16	3/8-16 X 1 HEX HD CAP SCREW, STAINLE	4.000 EA
HW1001S38	WASHER, 3/8 SPLT LK, STAINLESS STEEL	4.000 EA
10XN2520S06	1/4 20X3/8 HX HD CAP S.S.	2.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	2.000 EA
WD1000B16	T&B CX70TN TERMINAL	2.000 EA
09CB1002A08G	CB 309 W/1.50 NPT LEAD HOLE (GRAY EPOXY)	1.000 EA
RM1017	LEAD SEPERATOR GASKET MODEL 307 1/8" THK	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
10XN2520S06	1/4 20X3/8 HX HD CAP S.S.	1.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	1.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
37EP1101A48G	FR EP, MACH, 307 BRG FOR CI FAN COVER W/	1.000 EA
HW4500A31	GREASE FIT/EXT 3014-B .25-28 ALEMITE	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
37EP1504A02G	SPL PU E.P. MACH, W/GRAY EPOXY QJ211 BRG	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
10XN2520S28	1/4-20X 1 3/4 HEX HD SS X	4.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10XN2520S52	1/4-20X 3 1/4 HEX HD SS X	2.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	2.000 EA
HA3104S13	THRUBOLT- .31-18X11.75 SSTDR#59495	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH1001A06G	307 FH FOR MTG TO FR E.P. W/GREASER & DR	1.000 EA
10XN2520S28	1/4-20X 1 3/4 HEX HD SS X	3.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	3.000 EA
40FH2500A04G	P/L DRIP COVER MODEL 40- OPEN MACH, GRA	1.000 EA
HA2086A03	.375 X 1.0 HVY-FT SPACER SPIRAL # 62434	4.000 EA
10XN3816S32	3/8-16 X 2 HEX HD CAP SCREW, STAINLE	4.000 EA
HW1001S38	WASHER, 3/8 SPLT LK, STAINLESS STEEL	4.000 EA
HW4600A55	SEAL 1.625 X 2.125 X 0.250 SINGLE LIP	1.000 EA
HW4600B33	V-RING SLINGER 1.375 X 1.890 X 0.350	1.000 EA
HW4600B40	V-RING SLINGER 2.000 X 2.680 X 0.280	1.000 EA
12CB1503A03G	CONDUIT BOX LID, MACH (GRAY), WITH LIP	1.000 EA
12GS1002	GASKET, CONDUIT BOX LID, NEOP	1.000 EA
10XN2520S12	BOLT 1/4 - 20X 3/4 HEX HEAD SS (F/S)	2.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	2.000 EA
MJ5001A27	32220KN GRAY SEALER	0.001 QT
MJ5001A14	DYNAPRO SEAL, CP MOTORS VC#2508050 (603	0.001 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.036 GA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1258E	SS CP UL CSA CC	1.000 EA
NP0090E	SS NO LOGO'S BEARING & GREASE DATA	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
07PA1095	PKG GRP, VER 07 CAST IRON	1.000 EA
PK6503	STRUCTURAL WOOD PSC 1X6X8	4.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 16600 - Typical performance - not guaranteed values

Winding: 07WGX761-R001	Type: 0733M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	29.85 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	27.5-26/13			Breakdown Torque	119.4 LB-FT
R.P.M.	1760			Pull-up Torque	47 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	65.8 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	88.4 A
Service Factor (S.F.)	1.15			No-load Current	6.34 A
NEMA Nom. Eff.	89.5	Power Factor	80	Line-line Res. @ 25°C	1.16 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	73°C
S.F. Amps				Temp. Rise @ S.F. Load	90°C
				Rotor inertia	0.811 LF ²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	62	74	80	82	84	81
Efficiency	83.8	88.9	89.8	89.5	88.4	86.8	88.8
Speed	1789	1779	1769	1759	1747	1733	1752
Line amperes	6.92	8.45	10.61	13.03	16.06	19.34	14.8

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values





