

BALDOR® • RELIANCE

Product Information Packet

VEM2534T

30HP,3530RPM,3PH,60HZ,284TSC,4040M,OPEN

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4040M	Elec. Spec:	40WGX193	CD Diagram:	CD0180
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	40E101	Layout:	40LYE101
Frame:	284TSC	Mounting:	F1	Poles:	02	Created Date:	05-01-2015
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	09-06-2016
Leads:	9#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3554L

CAT.NO.	VEM2534T		P/N			ENCLOSURE	OPEN
SPEC.	40E101X193G1	CC	010A	FRAME	284TSC	S/N	
HP	30		CLASS	F	HZ	60	
RPM	3530		PH	3	DES	A	
VOLT	230/460		KVA-CODE	H		ODE BRG	6309
AMP	70/35		USABLE AT 208V	76		DE BRG	6312
RATING	40C AMB-CONT		NEMA-NOM-EFF	91.7		GREASE	POLYREX EM
PF	87	SER.F.	1.15	VPWM INVERTER READY			
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.			

Parts List		
Part Number	Description	Quantity
SA300120	SA 40E101X193G1	1.000 EA
RA287166	RA 40E101X193G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
HA6017A01	CAST ADAPTOR	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
10CB3000SP	STD KO BOX MODEL 310,312,314 MTRS W/2.00	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	1.000 EA
40EP3200A01	STD FREP OPEN 309 BRG W/DRIP COVER	1.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
40EP1402A02	FREP, MACH OPEN 284-6 W/312 BRG	1.000 EA
HA3154A06	THRUBOLT STUD 3/8-16 X 19.500	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	8.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
40FH2500A01	SP'L DRIP COVER MODEL 40- OPEN	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
10CB3500SP	CONDUIT BOX LID, CAST	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW2501G17	KEY, 3/8 SQ X 1.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.070 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP3554L	SS SUPER-E UL CSA-EEV PREM CC	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 50428 - Typical performance - not guaranteed values

Winding: 40WGX193-R005	Type: 4040M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	30			Full Load Torque	44.7 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	70/35			Breakdown Torque	175 LB-FT
R.P.M.	3530			Pull-up Torque	59.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	78.3 LB-FT
NEMA Design Code	A	KVA Code	H	Starting Current	240 A
Service Factor (S.F.)	1.15			No-load Current	11.2 A
NEMA Nom. Eff.	91.7	Power Factor	87	Line-line Res. @ 25°C	0.21802 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	23°C
S.F. Amps				Temp. Rise @ S.F. Load	28°C
				Locked-rotor Power Factor	24
				Rotor inertia	1.72 LB-FT ²

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	77	84	87	88	89	88
Efficiency	89.3	92.8	93.4	93.2	92.6	91.8	92.8
Speed	3582.7	3568.7	3554.6	3538.7	3522.3	3504.1	3529
Line amperes	14.4	20.3	27.2	35.1	43.4	52.1	40.1

Performance Graph at 460V, 60Hz, 30.0HP Typical performance - Not guaranteed values





