

# NMMS.E171278 - Power Conversion Equipment

## Power Conversion Equipment

See General Information for Power Conversion Equipment

### VACON OYJ

RUNSORINTIE 7  
PO BOX 25  
FI-65381 VAASA, FINLAND

E171278

## Investigated to ANSI/UL 508C

**AC chokes** Model(s) PP01107, PP01108, PP01109, PP01110, PP01178, PP01179

**AC inverters** Model(s) SPC followed by 2 or 4, followed by 0050, 0075, 0100, 0150, 0200, 0250 or 0300, may be followed by up to a six alphanumeric suffix.

SPD followed by 2 or 4, followed by 0050, 0075, 0100, 0150, 0200, 0250 or 0300, may be followed by up to a six alphanumeric suffix.

**Accessories, fange mounting kits** Model(s) ENC-QFLG-MR, f/b 0, f/b 4, 5, 6 or 7.\*

**Accessories, hand held panel -kits** Model(s) PAN-HMHH-MK01, may be prefixed by characters.\*

**Accessories, I/O boards** Model(s) OPT followed by dash (-), followed by A, B, C, D, E, F, or S.\*

**Accessories, Installation Kit for a detached Control Unit** Model(s) ENC-QCDU may be followed by additional characters.

**Accessories, panel adapters (dummy keypad)** Model(s) PAN-HMPA-MK01, may be prefixed by characters.\*

**Accessories, Type 12 door panel -kits** Model(s) AN-HMDR-MK01, may be prefixed by characters.\*

PAN-HMDR-TMX\*

**Accessory , "KM Series"** Model(s) 3BOXEMC-KM50077893\*, 3LCL-KM50077892\*, KM50077892\*, KM50077893\*

**Accessory Adapter Kits** Model(s) VACON-ADP-MCAA\*, VACON-ADP-MCAA-KIT\*

**Accessory Cable** Model(s) CAB-USB/RS485\*

**Accessory Type 12 Door panel -kit** Model(s) DRA may be prefixed by additional characters, f/b -02 or -04 or -15, f/b B or L.\*

**Accessory Open type Measurement Transformer** Model(s) 2xKD-690/11,5\*

**Accessory Open type measurement transformers** Model(s) PP00067\*

**Auxiliary sections, "NXP System Drive (ADS)"** Model(s) Vacon or up to any other seven characters followed by ADS\_400, ADS\_600, ADS\_800, ADS\_1000, ADS\_1200.\*

**Du/dt Filters** Model(s) DUT may be prefixed by 3, f/b dash (-), f/b 0012, 0025, 0055, 0080, 0130, 0210, 0280, 0350, 0420, 0600, 0820, 1200 or 1500, f/b dash (-), f/b 6, f/b dash (-), f/b 0, f/b dash (-).\*

**Flange mounting kits** Model(s) SX-THR- f/b FR4, FR5, FR6, FR7, FR8 or FR9, may be followed by -54.\*

**Frequency converters, "CXI"** Model(s) 11 followed by CXI, followed by 5 or 6, followed by A, B, C, D, G or H, followed by 0, 2 or 7, followed by N, followed by 0 or 1.\*

110 followed by CXI, followed by 5 or 6, followed by A, B, C, D, G or H, followed by 0, 2 or 7, followed by N, followed by 0 or 1.\*

132 followed by CXI, followed by 5 or 6, followed by A, B, C, D, G or H, followed by 0, 2 or 7, followed by N, followed by 0 or 1.\*

15 followed by CXI, followed by 5 or 6, followed by A, B, C, D, G or H, followed by 0, 2 or 7, followed by N, followed by 0 or 1.\*

160 followed by CXI, followed by 5 or 6, followed by A, B, C, D, G or H, followed by 0, 2 or 7, followed by N, followed by 0 or 1.\*

18.5 followed by CXI, followed by 5 or 6, followed by A, B, C, D, G or H, followed by 0, 2 or 7, followed by N, followed by 0 or 1.\*











2700 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, T, X or Z, followed by B, C, H, L, N Tor Y, followed by 0, 1 or 2.\*

**Front-end Section, "NXP System Drive (AFS)"** Model(s) Vacon or up to any other seven characters followed by AFS\_9, AFS\_9\_M, AFS\_10, AFS\_10\_M, AFS\_13, AFS\_13\_M.\*

**Incoming Section, "NXP System Drive (MIS)"** Model(s) Vacon or up to any other seven characters followed by MIS\_150, MIS\_250, MIS\_400, MIS\_600, MIS\_800, MIS\_1200, MIS\_1600, MIS\_2000, MIS\_2500, MIS\_3000, MIS\_4000, MIS\_5000.\*

**LCL Filter** Model(s) LCL may be prefixed by 3, f/b dash (-), f/b 0170, 0261, 0325, 0460, 1030, 1300, f/b dash (-), f/b 5 or 6, f/b dash (-), A or B, f/b dash (-), f/b 0.\*

**Liquid Cooled Drives, "NXN Series"** Model(s) 2000 followed by 6, may be followed by dash (-), followed by A, B, F, or G, followed by 0, followed by T or N, followed by 0, followed by U or T.\*

**Mechanical Options, "NXP System Drive"** Model(s) Vacon or up to any other seven characters, followed by COT\_4-8.\*

**Micro drive inverters, "NXN Series"** Model(s) 0400 followed by 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, X or Z, followed by B, C, H, L, N, S or T, followed by 0, 1 or 2.\*

0520 followed by 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, X or Z, followed by B, C, H, L, N, S or T, followed by 0, 1 or 2.\*

0650 followed by 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, X or Z, followed by B, C, H, L, N, S or T, followed by 0, 1 or 2.\*

**Micro drive inverters, "NXO, NXP, NXI or NXS Series"** Model(s) 0003 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0004 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

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0105 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0114 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0125 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0140 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0144 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0168 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0170 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0205 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

**Micro drive inverters, "Vacon NXN Series"** Model(s) 0400 followed by 5 or 6, may be followed by a dash (-), followed by any one letter, followed by 0, 1, 2, 3, 5, 7, X or Z, followed by any one letter, followed by 0.\*

0520 followed by 5 or 6, may be followed by a dash (-), followed by any one letter, followed by 0, 1, 2, 3, 5, 7, X or Z, followed by any one letter, followed by 0.\*

0650 followed by 5 or 6, may be followed by a dash (-), followed by any one letter, followed by 0, 1, 2, 3, 5, 7, X or Z, followed by any one letter, followed by 0.\*

**Micro drive inverters** Model(s) BPX followed by F15, 001, 002, 003, 004, 005, 007, 010, 015, 020, 025, 030, 040, 050, 060, 075, 100, 125, 150, 200, 250, 300, 350 or 450, followed by A or Z, followed by 0, 1 or 2, followed by (-) or S, followed by 2, 3, 4 or 6, followed by A, B, C or D, followed by 1, 2, 3, 7, 8 or 9, followed by N, B or R, followed by 0, 1, 2 or 3, may be followed by six characters.

HVX followed by F15, 001, 002, 003, 004, 005, 007, 010, 015, 020, 025, 030, 040, 050, 060, 075, 100, 125, 150, 200, 250, 300, 350 or 450, followed by A or Z, followed by 0, 1 or 2, followed by (-) or S, followed by 2, 3, 4 or 6, followed by A, B, C or D, followed by 1, 2, 3, 7, 8 or 9, followed by N, B or R, followed by 0, 1, 2 or 3, may be followed by six characters.

**OPower conversion equipment, open and enclosed type 12K & Type 4X, Frame size 2, "Vacon Optidrive E2 Series"** Model(s) 0005 3L 0011 2 X 2 + CILS + EMC4

**Power conPower conversion equipment, open and enclosed type 12K & Type 4X, Frame size 1, "Vacon Optidrive E2 Series"** Model(s) 0005 3L 0004 4 X 1

**Power conversion equipment, "NXL Series"** Model(s) 0001 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0002 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0003 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0004 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0005 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0006 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0007 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0009 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0012 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0016 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0023 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0031 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0038 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0046 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0061 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

**Power Conversion Equipment** Model(s) PP002007, PP002008, PP00209, PP00210, PP00211, PP00212, PP00213 may be followed by additional characters

PP00216, PP00217, PP00218, PP00219, PP00220, PP00221, PP00222 may be followed by additional characters

PP00230, PP00231, PP00232, PP00233, PP00234 PP00235, PP00236 may be followed by additional characters

RLC, f/b dash (-), f/b 0385, 0520, 0750, 0920, 1180, 1640, or 2300, f/b dash (-), f/b 5 or 6, f/b dash (-), f/b 0, may be followed by additional characters

**Power conversion equipment, open and enclosed type 12K & Type 4X, Frame size 1, "Vacon Optidrive E2 Series"** Model(s) 0005 1L 0002 2 X 1, 0005 1L 0002 2 X 1 + CILS, 0005 1L 0002 2 X 1 + CILS + EMC4, 0005 1L 0002 2 X 1 + EMC4, 0005 1L 0004 2 X 1, 0005 1L 0004 2 X 1 + CILS, 0005 1L 0004 2 X 1 + CILS + EMC4, 0005 1L 0004 2 X 1 + EMC4, 0005 1L 0007 2 X 1, 0005 1L 0007 2 X 1 + CILS, 0005 1L 0007 2 X 1 + CILS + EMC4, 0005 1L 0007 2 X 1 + EMC4, 0005 1L 0007 2 X 2 + EMC4, 0005 3L 0002 2 X 1 + CILS + EMC4, 0005 3L 0002 2 X 1 + EMC4, 0005 3L 0002 4 X 1, 0005 3L 0002 4 X 1 + CILS, 0005 3L 0002 4 X 1 + CILS + EMC4, 0005 3L 0002 4 X 1 + EMC4, 0005 3L 0004 2 X 1 + CILS + EMC4, 0005 3L 0004 2 X 1 + EMC4, 0005 3L 0004 4 X 1 + CILS, 0005 3L 0004 4 X 1 + CILS + EMC4, 0005 3L 0004 4 X 1 + EMC4, 0005 3L 0004 4 X 2, 0005 3L 0007 2 X 1 + CILS + EMC4, 0005 3L 0007 2 X 1 + EMC4

**Power conversion equipment, open and enclosed type 12K & Type 4X, Frame size 2, "Optidrive E2 Series"** Model(s) 0005 3L 0006 4 X 2 + CILS + EMC4

**Power conversion equipment, open and enclosed type 12K & Type 4X, Frame size 2, "Vacon Optidrive E2 Series"** Model(s) 0005 1L 0007 2 X 2, 0005 1L 0007 2 X 2 + CILS, 0005 1L 0007 2 X 2 + CILS + EMC4, 0005 1L 0011 2 X 2, 0005 1L 0011 2 X 2 + CILS, 0005 1L 0011 2 X 2 + CILS + EMC4, 0005 1L 0011 2 X 2 + EMC4, 0005 3L 0004 4 X 2 + CILS, 0005 3L 0004 4 X 2 + CILS + EMC4, 0005 3L 0004 4 X 2 + EMC4, 0005 3L 0006 4 X 2, 0005 3L 0006 4 X 2 + CILS, 0005 3L 0006 4 X 2 + EMC4, 0005 3L 0007 2 X 2, 0005 3L 0007 2 X 2 + CILS, 0005 3L 0007 2 X 2 + CILS + EMC4, 0005 3L 0007 2 X 2 + EMC4, 0005 3L 0010 4 X 2, 0005 3L 0010 4 X 2 + CILS + EMC4, 0005 3L 0010 4 X 2 + EMC4, 0005 3L 0011 2 X 2, 0005 3L 0011 2 X 2 + CILS, 0005 3L 0011 2 X 2 + EMC4

**Power conversion equipment, open and enclosed type 12K & Type 4X, Frame size 3, "Vacon Optidrive E2 Series"** Model(s) 0005 3L 0010 4 X 2 + CILS, 0005 3L 0014 3 X 3 + EMC4, 0005 3L 0014 4 X 3, 0005 3L 0014 4 X 3 + CILS, 0005 3L 0014 4 X 3 + CILS + EMC4, 0005 3L 0014 4 X 3 + EMC4, 0005 3L 0018 3 X 3, 0005 3L 0018 3 X 3 + CILS, 0005 3L 0018 3 X 3 + CILS + EMC4, 0005 3L 0018 4 X 3, 0005 3L 0018 4 X 3 + CILS + EMC4, 0005 3L 0018 4 X 3 + EMC4

**Power conversion equipment, open and enclosed type 12K & Type 4X, Frame size 3en type and enclosed type 12K & Type 4X, Frame size 3, power conversion equipmen, "Vacon Optidrive E2 Series"** Model(s) 0005 3L 0018 4 X 3 + CILS

**Type 12 Kit** Model(s) SX-IP5-, f/b FR4, FR5, FR6 or FR7.\*

**Variable-Frequency Converter, "NXP System Drive (NFS)"** Model(s) Vacon or up to any other seven characters followed by NFS\_1X, NFS\_1X\_M or NFS\_2X or NFS\_2X\_M.\*

**Variable-Frequency Inverter, "NXP System Drive (DBS)"** Model(s) Vacon or up to any other seven characters followed by DBS\_4\_1, DBS\_4\_2, DBS\_4\_3, DBS\_6\_1, DBS\_6\_2, DBS\_7, DBS\_8, DBS\_9, DBS\_9\_M, DBS\_9\_2, DBS\_10, DBS\_10\_M, DBS\_10\_2, DBS\_13 or DBS\_13\_M.\*

**Variable-Frequency Inverter, "NXP System Drive (IUS)"** Model(s) Vacon or up to any other seven characters followed by IUS\_4\_1, IUS\_4\_2, IUS\_4\_3, IUS\_4\_8, IUS\_4\_14, IUS\_6\_1, IUS\_6\_2, IUS\_7, IUS\_8, IUS\_9, IUS\_9\_M, IUS\_9\_2, IUS\_10, IUS\_10\_M, IUS\_10\_2, IUS\_12, IUS\_12\_M, IUS\_12\_2, IUS\_13, IUS\_13\_M or IUS\_14.\*

**Variable-Frequency Inverter, "NXP System Drive (TSU)"** Model(s) Vacon or up to any other seven characters followed by TSU\_200, TSU\_300 or TSU\_400, TSU\_600, TSU\_800, TSU\_1000 or TSU\_1200.\*

**Variable-speed inverters, "KM Series"** Model(s) 50077890\*, 50077891\*, 997159\*, 997160\*

**Variable-speed inverters, "Vacon 10 and 20"** Model(s) Vacon or up to any other seven alphanumeric characters, followed by 001 or 002, followed by any one character, followed by dash (-), followed by 1L or 3L, followed by dash (-), followed by 0001, 0002, 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0011, 0012, 0014, 0016, 0017, 0023, 0025, 0031 or 0038, followed by dash (-), followed by 1, 2, 4 or 7, followed by dash (-).\*

















3500 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

3710 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

4140 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

## Investigated to ANSI/UL 61800-5-1 (1st ed. Rev: 2017-02-24)

**Power Conversion Equipment** Model(s) Servo Drive Series IGD followed by 510 followed by 1 followed by 7 followed by D6 followed by FXX followed by PN followed by SXX or SCO followed by T followed by L06 followed by BX or B1 followed by K followed by 05K92, 14K13 or 31K13 followed by additional letters and numbers specific to customers needs.

## Investigated to UL 61800-5-1

**Accessory Bypass Control Board** Model(s) 70CVB01840, 70CVB01851

**Listed Accessory for use with Multiaxis Servo Drive System, Expansion Module, "Series MSD 510"** Model(s) MSD510, followed by EXM510, followed by F1, followed by C062A, followed by D6, followed by E20, may be followed by additional characters.

**Power Conversion Equipment** Model(s) 100 Series Model Vacon or up to any other seven characters, followed by 01, followed by one character, followed by 0, followed by dash (-), followed by 3L, followed by dash (-), followed by 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0010, 0011, 0012, 0013, 0016, 0018, 0022, 0023, 0024, 0027, 0031, 0034, 0038, 0041, 0046, 0048, 0052, 0061, 0062, 0072, 0075, 0080, 0087, 0088, 0100, 0105, 0125, 0140, 0144, 0170, 0205, 0208, 0261, 0262, 0310, 0325, 0385, 0386, 0416, 0460, 0461, 0520, 0521, 0590, 0650, 0651, 0730, 0731, 0750, 0820, 0920, 1040 or 1180 followed by dash (-), followed by 2, 4, 5, 6 or 7, maybe followed by additional characters.

**Power Conversion Equipment, Multiaxis Servo Drive System, Auxiliary Capacitors Module, "Series MSD 510"** Model(s) Cat. No. MSD510 followed by ACM510, followed by F1, followed by E00C8, followed by D6, followed by E20, may be followed by additional characters.

**Power Conversion Equipment, Multiaxis Servo Drive System, Decentral Access Module, "Series MSD 510"** Model(s) Cat. No. MSD510, followed by DAM510, followed by F1, followed by C015A or C025A, followed by D6, followed by E20, may be followed by additional characters.

**Power Conversion Equipment, Multiaxis Servo Drive System, Power Supply Module, "Series MSD 510"** Model(s) Cat. No. MSD510, followed by PSM510, followed by F2, followed by P10C0, P20C0 or P30C0, followed by D6, followed by E20, may be followed by additional characters.

**Power Conversion Equipment, Multiaxis Servo Drive System, Servo Drive Module, "Series MSD 510"** Model(s) Cat. No. MSD510, followed by SDM511 or SDM512, followed by SA or DA, followed by F1 or F2, followed by C02A5, C005A, C010A, C020A or C040A, followed by D6, followed by E20, may be followed by additional characters.

**Variable-speed inverters, "Vacon 100"** Model(s) Vacon or up to any other seven alphanumeric characters, followed by 01, followed by any one character, followed by 0, followed by dash (-), followed by 3L, followed by dash (-), followed by 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0010, 0011, 0012, 0013, 0016, 0018, 0022, 0023, 0024, 0027, 0031, 0034, 0038, 0041, 0046, 0048, 0052, 0061, 0062, 0072, 0080, 0087, 0088, 0100, 0105, 0125, 0140, 0144, 0170, 0205, 0208, 0261, 0310, 0325, 0385, 0416, 0460, 0520, 0590, 0650, 0730, 0750, 0820, 0920, 1040 or 1180, followed by dash (-), followed by 2, 4, 5, 6 or 7.\*

\* - May be followed by additional characters.

Last Updated on 2020-04-07

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# NMMS2.E171278 - Power Conversion Equipment - Component

## Power Conversion Equipment - Component

[See General Information for Power Conversion Equipment - Component](#)

### VACON OYJ

RUNSORINTIE 7

PO BOX 25

FI-65381 VAASA, FINLAND

E171278

### Investigated to ANSI/UL 508C

**Variable frequency converters, "Vacon 20"** Model(s) Vacon or up to any other seven characters, followed by four characters, followed by dash (-), followed by 1L, followed by dash (-), followed by 0001, 0002, 0003, 0004, 0005, 0007, followed by dash (-), followed by 2, followed by dash (-), followed by CP, may be followed by additional characters.

Vacon or up to any other seven characters, followed by four characters, followed by dash (-), followed by 3L, followed by dash (-), followed by 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0011, 0012, 0016, or 0017, followed by dash (-), followed by 2, 4 or 5, followed by dash (-), followed by CP, may be followed by additional characters.

Marking: Company name and model designation.

Last Updated on 2019-02-10

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# NMMS7.E171278 - Power Conversion Equipment Certified for Canada

## Power Conversion Equipment Certified for Canada

[See General Information for Power Conversion Equipment Certified for Canada](#)

### VACON OYJ

RUNSORINTIE 7  
PO BOX 25  
FI-65381 VAASA, FINLAND

E171278

## Investigated to CAN/CSA C22.2 No. 14-13

**AC chokes** Model(s) PP01107, PP01108, PP01109, PP01110, PP01178, PP01179

**Du/dt Filters** Model(s) DUT may be prefixed by 3, f/b dash (-), f/b 0012, 0025, 0055, 0080, 0130, 0210, 0280, 0350, 0420, 0600, 0820, 1200 or 1500, f/b dash (-), f/b 6, f/b dash (-), f/b 0, f/b dash (-).\*

**Flange mounting kits** Model(s) SX-THR- f/b FR4, FR5, FR6, FR7, FR8 or FR9, may be followed by -54.\*

**LCL Filter** Model(s) LCL may be prefixed by 3, f/b dash (-), f/b 0170, 0261, 0325, 0460, 1030, 1300, f/b dash (-), f/b 5 or 6, f/b dash (-), A or B, f/b dash (-), f/b 0.\*

**Type 12 Kit** Model(s) SX-IP5-, f/b FR4, FR5, FR6 or FR7.\*

**Variable-Frequency Converter, "NXP System Drive (NFS)"** Model(s) Vacon or up to any other seven characters followed by NFS\_1X, NFS\_1X\_M or NFS\_2X or NFS\_2X\_M.\*

## Investigated to CAN/CSA C22.2 No. 274

**AC inverters** Model(s) SPC followed by 2 or 4, followed by 0050, 0075, 0100, 0150, 0200, 0250 or 0300, may be followed by up to a six alphanumeric suffix.

SPD followed by 2 or 4, followed by 0050, 0075, 0100, 0150, 0200, 0250 or 0300, may be followed by up to a six alphanumeric suffix.

**Accessories, fange mounting kits** Model(s) ENC-QFLG-MR, f/b 0, f/b 4, 5, 6 or 7.\*

**Accessories, hand held panel -kits** Model(s) PAN-HMHH-MK01, may be prefixed by characters.\*

**Accessories, I/O boards** Model(s) OPT followed by dash (-), followed by A, B, C, D, E, F, or S.\*

**Accessories, Installation Kit for a detached Control Unit** Model(s) ENC-QCDU may be followed by additional characters.

**Accessories, panel adapters (dummy keypad)** Model(s) PAN-HMPA-MK01, may be prefixed by characters.\*

**Accessories, Type 12 door panel -kits** Model(s) AN-HMDR-MK01, may be prefixed by characters.\*

PAN-HMDR-TMX\*

**Accessory , "KM Series"** Model(s) 3BOXEMC-KM50077893\*, 3LCL-KM50077892\*, KM50077892\*, KM50077893\*

**Accessory Adapter Kits** Model(s) VACON-ADP-MCAA\*, VACON-ADP-MCAA-KIT\*

**Accessory Cable** Model(s) CAB-USB/RS485\*

**Accessory Bypass Control Board** Model(s) 70CVB01840, 70CVB01851

**Accessory Open type Measurement Transformer** Model(s) 2xKD-690/11,5\*

**Accessory Open type measurement transformers** Model(s) PP00067\*

**Auxiliary sections, "NXP System Drive (ADS)"** Model(s) Vacon or up to any other seven characters followed by ADS\_400, ADS\_600, ADS\_800, ADS\_1000, ADS\_1200.\*













1900 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, T,X or Z, followed by B, C, H, L, N Tor Y, followed by 0, 1 or 2.\*

2150 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, T,X or Z, followed by B, C, H, L, N Tor Y, followed by 0, 1 or 2.\*

2250 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, T,X or Z, followed by B, C, H, L, N Tor Y, followed by 0, 1 or 2.\*

2700 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, T,X or Z, followed by B, C, H, L, N Tor Y, followed by 0, 1 or 2.\*

**Front-end Section, "NXP System Drive (AFS)"** Model(s) Vacon or up to any other seven characters followed by AFS\_9, AFS\_9\_M, AFS\_10, AFS\_10\_M, AFS\_13, AFS\_13\_M.\*

**Incoming Section, "NXP System Drive (MIS)"** Model(s) Vacon or up to any other seven characters followed by MIS\_150, MIS\_250, MIS\_400, MIS\_600, MIS\_800, MIS\_1200, MIS\_1600, MIS\_2000, MIS\_2500, MIS\_3000, MIS\_4000, MIS\_5000.\*

**Liquid Cooled Drives, "NXN Series"** Model(s) 2000 followed by 6, may be followed by dash (-), followed by A, B, F, or G, followed by 0, followed by T or N, followed by 0, followed by U or T.\*

**Listed Accessory for use with Multiaxis Servo Drive System, Expansion Module, "Series MSD 510"** Model(s) MSD510, followed by EXM510, followed by F1, followed by C062A, followed by D6, followed by E20, may be followed by additional characters.

**Mechanical Options, "NXP System Drive"** Model(s) Vacon or up to any other seven characters, followed by COT\_4-8.\*

**Micro drive inverters, "NXN Series"** Model(s) 0400 followed by 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, X or Z, followed by B, C, H, L, N, S or T, followed by 0, 1 or 2.\*

0520 followed by 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, X or Z, followed by B, C, H, L, N, S or T, followed by 0, 1 or 2.\*

0650 followed by 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, X or Z, followed by B, C, H, L, N, S or T, followed by 0, 1 or 2.\*

**Micro drive inverters, "NXO, NXP, NXI or NXS Series"** Model(s) 0003 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0004 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0005 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0007 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0008 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0009 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0010 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0011 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0012 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0013 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0016 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0017 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0018 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.

0022 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N, W, 7, 9 or other additional characters.





0080 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0087 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0088 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0100 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0105 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0114 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0125 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0140 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0144 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0168 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0170 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

0205 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1, 2 or X, followed by C, I, N or W.\*

**Micro drive inverters, "Vacon NXN Series"** Model(s) 0400 followed by 5 or 6, may be followed by a dash (-), followed by any one letter, followed by 0, 1, 2, 3, 5, 7, X or Z, followed by any one letter, followed by 0.\*

0520 followed by 5 or 6, may be followed by a dash (-), followed by any one letter, followed by 0, 1, 2, 3, 5, 7, X or Z, followed by any one letter, followed by 0.\*

0650 followed by 5 or 6, may be followed by a dash (-), followed by any one letter, followed by 0, 1, 2, 3, 5, 7, X or Z, followed by any one letter, followed by 0.\*

**Micro drive inverters** Model(s) BPX followed by F15, 001, 002, 003, 004, 005, 007, 010, 015, 020, 025, 030, 040, 050, 060, 075, 100, 125, 150, 200, 250, 300, 350 or 450, followed by A or Z, followed by 0, 1 or 2, followed by (-) or S, followed by 2, 3, 4 or 6, followed by A, B, C or D, followed by 1, 2, 3, 7, 8 or 9, followed by N, B or R, followed by 0, 1, 2 or 3, may be followed by six characters.

HVX followed by F15, 001, 002, 003, 004, 005, 007, 010, 015, 020, 025, 030, 040, 050, 060, 075, 100, 125, 150, 200, 250, 300, 350 or 450, followed by A or Z, followed by 0, 1 or 2, followed by (-) or S, followed by 2, 3, 4 or 6, followed by A, B, C or D, followed by 1, 2, 3, 7, 8 or 9, followed by N, B or R, followed by 0, 1, 2 or 3, may be followed by six characters.

**OPower conversion equipment, open and enclosed type 12K & Type 4X, Frame size 2, "Vacon Optidrive E2 Series"** Model(s) 0005 3L 0011 2 X 2 + CILS + EMC4

**Power conPower conversion equipment, open and enclosed type 12K & Type 4X, Frame size 1, "Vacon Optidrive E2 Series"** Model(s) 0005 3L 0004 4 X 1

**Power conversion equipment, "NXL Series"** Model(s) 0001 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0002 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0003 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0004 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0005 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0006 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0007 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0009 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0012 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0016 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0023 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0031 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0038 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0046 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

0061 followed by 2 or 5, may be followed by a dash (-), followed by B or C, followed by 1, 2, 5, T or X, followed by B, C, H, L, N or T followed by 0 or 1.\*

**Power Conversion Equipment** Model(s) 100 Series Model Vacon or up to any other seven characters, followed by 01, followed by one character, followed by 0, followed by dash (-), followed by 3L, followed by dash (-), followed by 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0010, 0011, 0012, 0013, 0016, 0018, 0022, 0023, 0024, 0027, 0031, 0034, 0038, 0041, 0046, 0048, 0052, 0061, 0062, 0072, 0075, 0080, 0087, 0088, 0100, 0105, 0125, 0140, 0144, 0170, 0205, 0208, 0261, 0262, 0310, 0325, 0385, 0386, 0416, 0460, 0461, 0520, 0521, 0590, 0650, 0651, 0730, 0731, 0750, 0820, 0920, 1040 or 1180 followed by dash (-), followed by 2, 4, 5, 6 or 7, maybe followed by additional characters.

PP002007, PP002008, PP00209, PP00210, PP00211, PP00212, PP00213 may be followed by additional characters

PP00216, PP00217, PP00218, PP00219, PP00220, PP00221, PP00222 may be followed by additional characters

PP00230, PP00231, PP00232, PP00233, PP00234 PP00235, PP00236 may be followed by additional characters

RLC, f/b dash (-), f/b 0385, 0520, 0750, 0920, 1180, 1640, or 2300, f/b dash (-), f/b 5 or 6, f/b dash (-), f/b 0, may be followed by additional characters

Servo Drive Series IGD followed by 510 followed by 1 followed by 7 followed by D6 followed by FXX followed by PN followed by SXX or SCO followed by T followed by L06 followed by BX or B1 followed by K followed by 05K92, 14K13 or 31K13 followed by additional letters and numbers specific to customers needs.

**Power Conversion Equipment, Multiaxis Servo Drive System, Auxiliary Capacitors Module, "Series MSD 510"** Model(s) Cat. No. MSD510 followed by ACM510, followed by F1, followed by E00C8, followed by D6, followed by E20, may be followed by additional characters.

**Power Conversion Equipment, Multiaxis Servo Drive System, Decentral Access Module, "Series MSD 510"** Model(s) Cat. No. MSD510, followed by DAM510, followed by F1, followed by C015A or C025A, followed by D6, followed by E20, may be followed by additional characters.

**Power Conversion Equipment, Multiaxis Servo Drive System, Power Supply Module, "Series MSD 510"** Model(s) Cat. No. MSD510, followed by PSM510, followed by F2, followed by P10C0, P20C0 or P30C0, followed by D6, followed by E20, may be followed by additional characters.

**Power Conversion Equipment, Multiaxis Servo Drive System, Servo Drive Module, "Series MSD 510"** Model(s) Cat. No. MSD510, followed by SDM511 or SDM512, followed by SA or DA, followed by F1 or F2, followed by C02A5, C005A, C010A, C020A or C040A, followed by D6, followed by E20, may be followed by additional characters.

**Power conversion equipment, open and enclosed type 12K & Type 4X, Frame size 1, "Vacon Optidrive E2 Series"** Model(s) 0005 1L 0002 2 X 1, 0005 1L 0002 2 X 1 + CILS, 0005 1L 0002 2 X 1 + CILS + EMC4, 0005 1L 0002 2 X 1 + EMC4, 0005 1L 0004 2 X 1, 0005 1L 0004 2 X 1 + CILS, 0005 1L 0004 2 X 1 + CILS + EMC4, 0005 1L 0004 2 X 1 + EMC4, 0005 1L 0007 2 X 1 + EMC4, 0005 1L 0007 2 X 1 + EMC4, 0005 1L 0007 2 X 1 + CILS, 0005 1L 0007 2 X 1 + CILS + EMC4, 0005 1L 0007 2 X 1 + EMC4, 0005 3L 0002 4 X 1, 0005 3L 0002 4 X 1 + CILS, 0005 3L 0002 4 X 1 + CILS + EMC4, 0005 3L 0002 4 X 1 + EMC4, 0005 3L 0004 2 X 1 + CILS + EMC4, 0005 3L 0004 2 X 1 + EMC4, 0005 3L 0004 4 X 1 + CILS, 0005 3L 0004 4 X 1 + CILS + EMC4, 0005 3L 0004 4 X 1 + EMC4, 0005 3L 0004 4 X 1 + EMC4, 0005 3L 0004 4 X 2, 0005 3L 0007 2 X 1 + CILS + EMC4, 0005 3L 0007 2 X 1 + EMC4

**Power conversion equipment, open and enclosed type 12K & Type 4X, Frame size 2, "Optidrive E2 Series"** Model(s) 0005 3L 0006 4 X 2 + CILS + EMC4

**Power conversion equipment, open and enclosed type 12K & Type 4X, Frame size 2, "Vacon Optidrive E2 Series"** Model(s) 0005 1L 0007 2 X 2, 0005 1L 0007 2 X 2 + CILS, 0005 1L 0007 2 X 2 + CILS + EMC4, 0005 1L 0011 2 X 2, 0005 1L 0011 2 X 2 + CILS, 0005 1L 0011 2 X 2 + CILS + EMC4, 0005 1L 0011 2 X 2 + EMC4, 0005 3L 0004 4 X 2 + CILS, 0005 3L 0004 4 X 2 + CILS + EMC4, 0005 3L 0004 4 X 2 + EMC4, 0005

3L 0006 4 X 2, 0005 3L 0006 4 X 2 + CILS, 0005 3L 0006 4 X 2 + EMC4, 0005 3L 0007 2 X 2, 0005 3L 0007 2 X 2 + CILS, 0005 3L 0007 2 X 2 + CILS + EMC4, 0005 3L 0007 2 X 2 + EMC4, 0005 3L 0010 4 X 2, 0005 3L 0010 4 X 2 + CILS + EMC4, 0005 3L 0010 4 X 2 + EMC4, 0005 3L 0011 2 X 2, 0005 3L 0011 2 X 2 + CILS, 0005 3L 0011 2 X 2 + EMC4

**Power conversion equipment, open and enclosed type 12K & Type 4X, Frame size 3, "Vacon Optidrive E2 Series"** Model(s) 0005 3L 0010 4 X 2 + CILS, 0005 3L 0014 3 X 3 + EMC4, 0005 3L 0014 4 X 3, 0005 3L 0014 4 X 3 + CILS, 0005 3L 0014 4 X 3 + CILS + EMC4, 0005 3L 0014 4 X 3 + EMC4, 0005 3L 0018 3 X 3, 0005 3L 0018 3 X 3 + CILS, 0005 3L 0018 3 X 3 + CILS + EMC4, 0005 3L 0018 4 X 3, 0005 3L 0018 4 X 3 + CILS + EMC4, 0005 3L 0018 4 X 3 + EMC4

**Power conversion equipment, open and enclosed type 12K & Type 4X, Frame size 3en type and enclosed type 12K & Type 4X, Frame size 3, power conversion equipmen, "Vacon Optidrive E2 Series"** Model(s) 0005 3L 0018 4 X 3 + CILS

**Variable-Frequency Inverter, "NXP System Drive (DBS)"** Model(s) Vacon or up to any other seven characters followed by DBS\_4\_1, DBS\_4\_2, DBS\_4\_3, DBS\_6\_1, DBS\_6\_2, DBS\_7, DBS\_8, DBS\_9, DBS\_9\_M, DBS\_9\_2, DBS\_10, DBS\_10\_M, DBS\_10\_2, DBS\_13 or DBS\_13\_M.\*

**Variable-Frequency Inverter, "NXP System Drive (IUS)"** Model(s) Vacon or up to any other seven characters followed by IUS\_4\_1, IUS\_4\_2, IUS\_4\_3, IUS\_4\_8, IUS\_4\_14, IUS\_6\_1, IUS\_6\_2, IUS\_7, IUS\_8, IUS\_9, IUS\_9\_M, IUS\_9\_2, IUS\_10, IUS\_10\_M, IUS\_10\_2, IUS\_12, IUS\_12\_M, IUS\_12\_2, IUS\_13, IUS\_13\_M or IUS\_14.\*

**Variable-Frequency Inverter, "NXP System Drive (TSU)"** Model(s) Vacon or up to any other seven characters followed by TSU\_200, TSU\_300 or TSU\_400, TSU\_600, TSU\_800, TSU\_1000 or TSU\_1200.\*

**Variable-speed inverters, "KM Series"** Model(s) 50077890\*, 50077891\*, 997159\*, 997160\*

**Variable-speed inverters, "Vacon 10 and 20"** Model(s) Vacon or up to any other seven alphanumeric characters, followed by 001 or 002, followed by any one character, followed by dash (-), followed by 1L or 3L, followed by dash (-), followed by 0001, 0002, 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0011, 0012, 0014, 0016, 0017, 0023, 0025, 0031 or 0038, followed by dash (-), followed by 1, 2, 4 or 7, followed by dash (-).\*

**Variable-speed inverters, "Vacon 100"** Model(s) Vacon or up to any other seven alphanumeric characters, followed by 01, followed by any one character, followed by 0, followed by dash (-), followed by 3L, followed by dash (-), followed by 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0010, 0011, 0012, 0013, 0016, 0018, 0022, 0023, 0024, 0027, 0031, 0034, 0038, 0041, 0046, 0048, 0052, 0061, 0062, 0072, 0080, 0087, 0088, 0100, 0105, 0125, 0140, 0144, 0170, 0205, 0208, 0261, 0310, 0325, 0385, 0416, 0460, 0520, 0590, 0650, 0730, 0750, 0820, 0920, 1040 or 1180, followed by dash (-), followed by 2, 4, 5, 6 or 7.\*

Vacon or up to any other seven characters, followed by four characters, followed by dash (-), followed by 3L, followed by dash (-), followed by 0003, 0004, 0005, 0007, 0008, 0009, 0011, 0012, 0016, 0018, 0023, 0024, 0031, 0038, 0046, 0048, 0061, 0062 or 0072, followed by dash (-), followed by 2, 4 or 5, followed by dash (-), followed by X.\*

**Variable-speed inverters, "Vacon 20"** Model(s) Vacon or up to any other seven characters, followed by four characters, followed by dash (-), followed by 1L or 3L, followed by dash (-), followed by 0001, 0002, 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0011, 0012, 0016, or 0017, followed by dash (-), followed by 2, 4 or 5, followed by dash (-), followed by X.\*

**Variable-Speed Inverters, "VACON NXA, NXB, NXC, NXF, NXS, NXP, NXI, NXV, NXO"** Model(s) 0125 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N or T or Y, followed by 0, 1, 2 or X.\*

0140 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N or T or Y, followed by 0, 1, 2 or X.\*

0144 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N or T or Y, followed by 0, 1, 2 or X.\*

0168 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N or T or Y, followed by 0, 1, 2 or X.\*

0170 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N or T or Y, followed by 0, 1, 2 or X.\*

0205 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N or T or Y, followed by 0, 1, 2 or X.\*

0208 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N or T or Y, followed by 0, 1, 2 or X.\*

0261 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N or T or Y, followed by 0, 1, 2 or X.\*

0300 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N or T or Y, followed by 0, 1, 2 or X.\*

0325 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N or T or Y, followed by 0, 1, 2 or X.\*

0385 followed by 2, 5 or 6, may be followed by a dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N or T or Y, followed by 0, 1, 2 or X.\*















1700 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

1850 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

1900 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

2060 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

2120 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

2300 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

2340 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

2470 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

2700 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

2900 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

2950 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

3100 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

3500 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

3710 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

4140 followed by 5 or 6, may be followed by dash (-), followed by A, B, C, F, G, X, O, P, Q or R, followed by 0, 1, 2, 3, 5, 7, 8, X or Z, followed by B, C, H, L, N, T or Y, followed by 0, 1 or 2.

## Investigated to CAN/CSA C22.2. No. 14-10

**Accessory Type 12 Door panel -kit** Model(s) DRA may be prefixed by additional characters, f/b -02 or -04 or -15, f/b B or L.\*

\* - May be followed by additional characters.

Last Updated on 2020-04-07

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# NMMS8.E171278 - Power Conversion Equipment Certified for Canada - Component

## Power Conversion Equipment Certified for Canada - Component

[See General Information for Power Conversion Equipment Certified for Canada - Component](#)

### VACON OYJ

RUNSORINTIE 7  
PO BOX 25  
FI-65381 VAASA, FINLAND

E171278

### Investigated to CAN/CSA C22.2 No. 274

**Variable frequency converters, "Vacon 20"** Model(s) Vacon or up to any other seven characters, followed by four characters, followed by dash (-), followed by 1L, followed by dash (-), followed by 0001, 0002, 0003, 0004, 0005, 0007, followed by dash (-), followed by 2, followed by dash (-), followed by CP, may be followed by additional characters.

Vacon or up to any other seven characters, followed by four characters, followed by dash (-), followed by 3L, followed by dash (-), followed by 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0011, 0012, 0016, or 0017, followed by dash (-), followed by 2, 4 or 5, followed by dash (-), followed by CP, may be followed by additional characters.

Marking: Company name, model designation and the Recognized Component Mark for Canada,



Last Updated on 2019-02-10

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