CANADA

DEPARTMENT OF TRADE AND COMMERCE

STANDARDS BRANCH

E-24

OTTAWA January 27, 1966.

NOTICE OF APPROVAL

FOR

CANADIAN GENERAL ELECTRIC TYPES "V-62A", "V-62S", "V-63A", "V-63S", "V-64A", "V-64S", "V-65A, "V-65S, "V-66A", "V-66S, "DS-63", "DS-64, "DS-65" and "DS-66" POLYPHASE WATTHOUR METERS

Apparatus

Current Ranges	
"V-62", "V-63", "V-65" & "V-66"	.12-10° (not V-62) .25-20 (not V-62) 1.2-100 2.5-200 amperes
"V-64"#, DS-64	.12-10, .25-20 (DS-64 only) 1.2-100 amperes (V-64 only)
"DS-63", "DS-65" & "DS-66"	.12-10° and .25-20 amps
Voltage Ratings	
"V-62"	120/208 and 345/600 for network meters
"V-62", "V-63" & "DS-63"	115, 120, 230, 240, 345, 460, 480 and 600 volts
"V-64" & DS-64	115, 120, 230, 240 and 345 volts
"V-65" & "DS-65"	115, 120, 230, 240 and 345 volts
"V-66" & "DS-66"	230 and 240 volts
Circuit	
"V-62", "V-63" & "DS-63"	2 element, 3 phase 3 wire, V-62 network only
"V-64"	3 element, 3 phase 4 wire wye
"V-65" & "DS-65"	2½ element Y, 3 phase 4 wire wye
"V-66" & "DS-66"	2½ element delta, 3 phase 4 wire delta
Frequency	50 and 60 cycles
Approved attachments	D-30V and D-41 contact devices M-30 demand register

Types "V-64S" and "V-65S" .12-10 ampere transformer type must be sealed with a lead seal. Sealing wires to be kept short.

o .12-10 ampere rating may be self-contained or for use with instrument transformers. Potential indicating lamps are optional equipment on both transformer types and self-contained types.

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240 volt 60 cycle meters are approved for use on 277 volts. They will be marked and tested as 240 volt meters. 50 cycle meters may not be so used.

Disc Constants (Kh)

V-62	120/208 V	345/600 V
1.2-100A	7.2	21.6
2.5-200A	14.4	43.2

V-63, DS-63	115, 120 V	230, 240 V	345 V	460, 480 V	600 V
.12-10A	1.2	2.4	3.6	4.8	6.0
.25-20A	2.4	—	—	—	—
1.2-100A (V-63 only)	7.2	14.4	—	28.8	36.0
2.5-200A (V-63 only)	14.4	28.8	—	57.6	72.0

V-64, DS-64	115, 120 V	230, 240 V	345 V
.12-10A	1.8	3.6	5.4
1.2-100A (V-64 only)	10.8	21.6	32.4

V-65, DS-65	115, 120 V	230, 240 V	345 V
.12-10A	1.8	3.6	5.4
1.2-100A (V-65 only)	10.8	21.6	32.4
2.5-200A (V-65 only)	21.6	43.2	64.8

V-66, DS-66	230, 240 V
.12-10	2.4
1.2-100 (V-66 only)	14.4
2.5-200 (V-66 only)	28.8

Register Ratios

V-62	120-208V	347-600 V
1.2-100A	27-7/9(1) (4)277-7/9(2)	9-7/27(4) 92-16/27(2)
2.5-200A	13-8/9(4) 138-8/9(2)	4-17/27(4) 46-8/27(2)

V-63, DS-63	115, 120 V	230, 240 V	345 V	460, 480 V	600 V
.12-10A	166-2/3(1)	83-1/3(1)	55-5/9(1)	41-2/3(1)	33-1/3(1)
.25-20A	83-1/3(1)	—	—	—	—
1.2-100A (V-63 only)	27-7/9(4) 277-7/9(2) 138-8/9(2)	13-8/9(4)	—	69-4/9(2), 6-17/18(4) 55-5/9(2) 5-5/-(4)	

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Register Ratios (Con'd)

V-63, DS-63	115/120 V	230, 240 V	345 V	460, 480 V	600 V
2.5-200A (V-63 only)	13-8/9(4) 138-8/9(2)	69-4/9(2) 6-17/18(4)	—	34-13/18(2) 3-17/36(4)	27-7/9(2) 2-7/9(4)

V-64, DS-64	115, 120 V	230, 240 V	345 V
.12-10A	111-1/9 (1) (3)	55-5/9(1)	37-1/27(1)
1.2-100A (V-64 only)	185-5/27 (2) 18-14/27(4)	92-16/27(2) 9-7/27(4)	61-59/81(2) 6-14/81(4)

V-65, DS-65	115, 120 V	230, 240 V	345 V
.12-10A	111-1/9 (1)	55-5/9(1)	37-1/27(1)
1.2-100A (V-65 only)	185-5/27(2) 18-14/27(4)	92-16/27(2) 9-7/27(4)	61-59/81(2) 6-14/81(4)
2.5-200A (V-65 only)	92-16/27(2) 9-7/27(4)	46-8/27(2) 4-17/27(4)	30-70/81(2) 3-7/81(4)

V-66, DS-66	230, 240 V
.12-10A	83-1/3
1.2-100 (V-66 only)	138-8/9(2) 13-8/9(4)
2.5-200 (V-66 only)	69-4/9(2) 6-17/18(4)

(1) 4-dial xl with test dial
(2) 4-dial x 10 with test dial
(3) 5-dial x 1 with test dial
(4) 5-dial x 1 without test dial

Description

This is a consolidation of circulars SL-EA.384, SD-EA.404, S-EA.491, S-EA.589 and E1 to include the previously approved ratings of the types DS-63, DS-64, DS-65, DS-66, V-62, V-63, V-64, V-65 and V-66 and those ratings having 345 volt potential coils.

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Description (Con'd)

The DS- series have the same metering element as the corresponding V- series, but they are mounted in a rectangular case for switchboard mounting. All DS- and V- series have a single disc except DS-64 which has two discs.

The DS- series may be sealed if necessary with a wire through the cover screws ending in a separate seal pan. The V- types are sealed in the conventional manner except for types V-64S and V-65S which are to be sealed with a lead seal making sure that the sealing wires are kept short.

Approval granted to The Canadian General Electric Company Limited,
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Ref: SL-100-801 L

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