

TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

OTTAWA, December 30, 1958.

TYPE APPROVALCANADIAN GENERAL ELECTRIC
TYPES "V-62A" AND "V-62S" POLYPHASE WATTHOUR METERS

The apparatus specified and illustrated herein has been duly approved by the Standards Division under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Types "V-62A" and "V-62S" Network and 3-Phase 3-Wire Watthour Meters, manufactured by the Canadian General Electric Company Limited, Toronto, Ontario.

Rating of Apparatus:

Normal Current Range	1.2-100; 2.5-200 amperes
Voltage Rating [*]	120/208 for network meters 120,240,277,480, 600 for 3-phase 3-wire meters
Wire	3
Frequency	60 cycles
K _h [#]	7.2

^{*} Basic 115 volts and multiples thereof also approved.

[#] Basic constant for 120-volt rating.

Description: The type "V-62" polyphase watthour meter supersedes the type "V-2" for 3-wire network and 3-wire 3-phase service. The two-stator, single disc "V-62" is similar in general arrangement to its predecessor but incorporates extended current and voltage ranges, the magnetic suspension system and surge relief gaps. Size has been changed only by a slight reduction in cover depth.

To improve performance over the extended range, the rotor speed has been reduced to one-half of the corresponding "V-2" thus making the watthour constant K_h twice as large. In order that the register ratios be consistent with those already in use, a double-pitch worm is used on the rotor shaft so that, for the same rating of meter, the register ratio is unchanged from that used on the type "V-2". The extended-range current and potential coils are moulded directly to the core iron in butyl rubber. The moulding permanently aligns the relative positions of the current and potential coils. The light load and lag adjustments as well as the full load adjustment are accessible from the front of the meter.

These meters may be supplied with either "A" or "S" type bases under the designation respectively of "V-62A" or "V-62S". They may be equipped with 4-dial clock registers and test dials with multiplier of 10 (multiplier not required on 100-ampere network meter) or alternatively with 5-dial clock registers without test dials.

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