

VM-1 MOTOR OPERATOR SELECTION CHART & VM-1SE STORED ENERGY MOTOR OPERATION SELECTION CHART

| | amperage | 600 | 1200 | 1600 | 2000 | 3000 | 4000 & above |
|-------------|----------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| kV | | | | | | | |
| 15.5 | | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104* or VM-1SE-204* | VM-1-204 or VM-1SE-204 |
| 27 | | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104* or VM-1SE-204* | VM-1-204 or VM-1SE-204 |
| 38 | | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104* or VM-1SE-204* | VM-1-204 or VM-1SE-204 |
| 48.3 | | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104* or VM-1SE-204* | VM-1-204 or VM-1SE-204 |
| 72.5 | | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104* or VM-1SE-204* | VM-1-204 or VM-1SE-204 |
| 123 | | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104* or VM-1SE-204* | VM-1-204 or VM-1SE-204 |
| 145 | | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104* or VM-1SE-204* | VM-1-204 or VM-1SE-204 |
| 170 | | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104 or VM-1SE-204 | VM-1-104* or VM-1SE-204* | VM-1-204 or VM-1SE-204 |
| 245 | | VM-1-208 or VM-1SE-208 | VM-1-208 or VM-1SE-208 | VM-1-208 or VM-1SE-208 | VM-1-208 or VM-1SE-208 | VM-1-208 or VM-1SE-208 | VM-1-208 or VM-1SE-208 |
| 362 | | VM-1-216 or VM-1SE-216 ** | VM-1-216 or VM-1SE-216 ** | VM-1-216 or VM-1SE-216 ** | VM-1-216 or VM-1SE-216 ** | VM-1-216 or VM-1SE-216 ** | VM-1-216 or VM-1SE-216 ** |
| 550 & above | | *** (see below) | *** (see below) | *** (see below) | *** (see below) | *** (see below) | *** (see below) |

* At 3000 amperes, use the VM-1-204 or the VM-1SE-204 when customer requirements specify that the switch must open on the first attempt under 3/4 inch ice.

** A VM-1-208 or VM-1SE-208 may be selected for center side break, double end break, and double end break "V" switches.

*** A VM-1-204 or VM-1SE-204 multi-revolution motor operator is furnished on switches equipped with torsional gear box drive. Switches equipped with torsional crank arm drive and switches which are independent pole operated via an electrically synchronized motor operator per phase use the VM-1-216 or VM-1SE-216 motor operator.

Note 1: The LLS-1-2000 interrupters, the LLS-II-2000 interrupters, and the LLS-II-3000 interrupters do not require specially selected VM-1 or VM-1SE units. The standard VM-1 or VM-1SE show in the chart above for a given kV class and amperage rating can be used on switches equipped with the LLS-I or LLS-II.

Note 2: The VM-1SE-104 has been removed from the chart above and replaced by the VM-1SE-204 since the VM-1SE-104 is not to be used on switches equipped with LLS-I-2000 interrupters, LLS-II-2000 interrupters, or the LLS-II-3000 interrupters. For any applications that would have otherwise used the VM-1SE-104 use the VM-1SE-204 instead.