

**Table 430.52. Maximum Rating or Setting
of Motor Branch-Circuit Short-Circuit
and Ground-Fault Protective Devices**

Type of Motor	Percent of Full-Load Current			
	Nontime Delay Fuse ¹	Dual Element (Time- Delay) Fuse ¹	Instan- taneous Trip Breaker	Inverse Time Breaker ²
Single-phase motors	300	175	800	250
AC polyphase motors other than wound-rotor	300	175	800	250
Squirrel cage —other than Design B	300	175	800	250
energy-efficient Design B	300	175	1100	250
energy-efficient Synchronous ³	300	175	800	250
Wound rotor	150	150	800	150
Direct current (constant voltage)	150	150	250	150

Note: For certain exceptions to the values specified, see 430.54.

¹The values in the Nontime Delay Fuse column apply to Time-Delay Class CC fuses.

²The values given in the last column also cover the ratings of nonadjustable inverse time types of circuit breakers that may be modified as in 430.52(C)(1). Exception No. 1 and No. 2.

³Synchronous motors of the low-torque, low-speed type (usually 450 rpm or lower), such as are used to drive reciprocating compressors, pumps, and so forth, that start unloaded, do not require a fuse rating or circuit-breaker setting in excess of 200 percent of full-load current.

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