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**Table 29**  
**Rating or setting of overcurrent devices for the protection of motor branch circuits**  
 (See Rules 28-200, 28-206, 28-208, and 28-308 and Table D16.)

Type of motor	Full load current, %		
	Maximum fuse rating		Maximum setting inverse-time circuit breaker
	Time-delay* fuses	Non-time- delay	
<b>Alternating current</b>			
Single-phase all types	175	300	250
Squirrel-cage and synchronous:			
Full-voltage, resistor and reactor starting	175	300	250
Auto-transformer and star delta starting:			
Not more than 30 A	175	250	200
More than 30 A	175	200	200
Wound rotor	150	150	150
<b>Direct current</b>	150	150	150

\* Includes time-delay "D" fuses referred to in Rule 14-200.

**Notes:**

- 1) Synchronous motors of the low-torque, low-speed type (usually 450 rpm or lower), such as those used to drive reciprocating compressors, pumps, etc., and that start up unloaded, do not require a fuse rating or circuit breaker setting in excess of 200% of full load current.
- 2) For the use of instantaneous-trip (magnetic only) circuit breakers in motor branch circuits, see Rule 28-210.