T45

Single-phase ac motors

Single-phase ac motors full load current, A		
hp rating	115V	230V
1/6	4.4	2.2
1/4	5.8	2.9
1/3	7.2	3.6
1/2	9.8	4.9
3/4	13.8	6.9
1	16	8
1-1/2	20	10
2	24	12
3	34	17
5	56	28
7-1/2	80	40
10	100	50

1. For full load currents of 208 and 200V motors, increase the corresponding 230V motor full load current by 10 and 15%, respectively.
2. These values of motor full load current are to be used as guides only. Where exact values are required (e.g., for motor protection), always use the values on the motor nameplate.
3. These values of motor full load current are for motors running at speeds typical for belted motors and motors with normal torque characteristics. Motors built for especially low speeds or high torques may require more running current, and multi-speed motors have full load current varying with speed, in which case the nameplate current ratings shall be used.
4. The voltages listed are rated motor voltages. Corresponding nominal system voltages are 120 and 240V. Refer to CSA C235.