

STARTING CHARACTERISTICS OF SQUIRREL CAGE INDUCTION MOTORS

STARTING METHOD	VOLTAGE AT MOTOR	LINE CURRENT	MOTOR TORQUE
Full-voltage value	100	100	100
Autotransformer			
80% tap	80	64*	64
65% tap	65	42*	42
50% tap	50	25*	25
Primary resistor			
Typical rating	80	80	64
Primary reactor			
80% tap	80	80	64
65% tap	65	65	42
50% tap	50	50	25
Series-parallel	100	25	25
Wye-delta	100	33	33
Part-winding (1/2-1/2)			
2 to 12 poles	100	70	50
14 and more poles	100	50	50
Solid-state soft start	Variable	Variable	Vairable
Variable freq. drive	v/Hz constant	Variable	Variable

* Autotransformer magnetizing current not included. Magnetizing current is usually less than 25 percent of motor full-load current.