

REDUCED VOLTAGE STARTER COMPARISON

Starting Characteristics	Full Voltage	Primary Resistor	Auto-Trans.	Solid State	Part Winding	Wye-Delta Open	Wye-Delta Closed
Typical Applied Motor Voltage	100%	70%	(80%) 65% (50%)	40%	100%	100%	100%
Starting Current % of Full Voltage Current ⁽¹⁾	100%	70%	(64%) 42% (25%)	40%	65%	33%	33%
Starting Torque	100%	49%	(64%) 42% (25%)	16%	48%	33%	33%
Physical Size	Smallest	Large	Large	Large	Small	Medium	Medium
Cost Comparison	100%	160%	200%	200%	135%	145%	180%
Motor Type	Standard	Standard	Standard	Standard	Special	Special	Special
Motor Conductors Required	3	3	3	3	6	6	6

(1) Starting Current or Locked Rotor Current is approximately 600% of Motor Full Load Current.