

Appendix B—Recommended Component Lists

To select control operators (push buttons, pilot lamps, and selector switches), control power transformers, and wire management devices (control and power terminal strips, wire terminations) indicated on the recommended wiring diagram configurations, refer to the latest editions of Schneider Electric’s full line product catalogs.

Table 31: Suggested Components for Standard Duty Applications

Induction Motor (M)				ATS48 Soft Start		FU4	
Rated hp ¹				Catalog No.	Device Rated Current	ATS Control	Class CC 600 V Time Delay
208 V	230 V	460 V	575 V		@ 40 °C (104 °F) ²	Power Burden (W)	@ 115 V
3	5	10	15	ATS48D17Y	17	25	0.5 A
5	7.5	15	20	ATS48D22Y	22	25	0.5 A
7.5	10	20	25	ATS48D32Y	32	30	0.6 A
10	—	25	30	ATS48D38Y	38	30	0.6 A
—	15	30	40	ATS48D47Y	47	30	0.6 A
15	20	40	50	ATS48D62Y	62	30	0.6 A
20	25	50	60	ATS48D75Y	75	30	0.6 A
25	30	60	75	ATS48D88Y	88	30	0.6 A
30	40	75	100	ATS48C11Y	110	30	0.6 A
40	50	100	125	ATS48C14Y	145	30	0.6 A
50	60	125	150	ATS48C17Y	170	30	0.6 A
60	75	150	200	ATS48C21Y	210	50	1 A
75	100	200	250	ATS48C25Y	250	50	1 A
100	125	250	300	ATS48C32Y	320	50	1 A
125	150	300	350	ATS48C41Y	410	80	1.5 A
150	—	350	400	ATS48C48Y	480	80	1.5 A
—	200	400	500	ATS48C59Y	590	80	1.5 A
200	250	500	600	ATS48C66Y	660	80	1.5 A
250	300	600	800	ATS48C79Y	790	80	1.5 A
350	350	800	1000	ATS48M10Y	1000	80	1.5 A
400	450	1000	1200	ATS48M12Y	1200	80	1.5 A

¹ Motor full load currents through 500 hp @ 460/575 V, 250 hp @ 230 V, and 200 hp @ 208 V are taken from the National Electric Code (NFPA 70-2002, Table 430.150). Above these ratings, motor full load currents are calculated based upon 1.2 A/hp for 460 V and 2.4 A/hp for 230 V. Motors listed are for standard duty applications. For severe duty applications, select the next larger soft start size.

² The ambient temperature indicated in the table represents the temperature of the air surrounding the ATS48 soft start. Any additional temperature factors associated with the enclosure system or actual installation ambient temperature must be considered when determining the actual rated current (I_{CL}) of the soft start. For operating ambient above 40 °C (104 °F) without a shorting/bypass contactor and 50 °C (122 °F) with a shorting/bypass contactor but not exceeding 60 °C (140 °F), the rated current (I_{CL}) of the soft start must be de-rated by 2% per °C.