



ABB Drives & Component Selection

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Nom. Motor kW	Max. Motor FLC	DRIVE PART NO		MAINS CABLE	SWITCH FUSE (Enclosed)				Alternative DRIVE PROTECTION		CONTACTOR		FIELD ISOLATOR		MOTOR CABLE
				NOTE-1 PVC/PVCSWAPVC to BS5467	FUSE TYPE to IEC60269-2-1 (Former				Circuit Breaker		Based on 55° Ambient NOTE-3 In AC1	Type	Enclosed 4 pole with N/O early break aux contact, EMC tested	NOTE-2 PVCPVCSWAPVC to BS5467	
0.75	2.2	ACH550-01-	02A4-4	1.5 MM SQ	A1	10	OS20	FPIP65	S273K	10	22	A9-30-10	OTE16	T3P	1.5 MM SQ (Note 4)
1.1	3.3	ACH550-01-	03A3-4	1.5 MM SQ	A1	10	OS20	FPIP65	S273K	10	22	A9-30-10	OTE16	T3P	1.5 MM SQ (Note 4)
1.5	4.1	ACH550-01-	04A1-4	1.5 MM SQ	A1	10	OS20	FPIP65	S273K	10	22	A9-30-10	OTE16	T3P	1.5 MM SQ (Note 4)
2.2	5.4	ACH550-01-	05A4-4	1.5 MM SQ	A1	10	OS20	FPIP65	S273K	10	22	A9-30-10	OTE16	T3P	1.5 MM SQ (Note 4)
3.0	6.9	ACH550-01-	06A9-4	1.5 MM SQ	A1	10	OS20	FPIP65	S273K	10	22	A9-30-10	OTE16	T3P	1.5 MM SQ (Note 4)
4.0	8.8	ACH550-01-	08A8-4	2.5 MM SQ	A1	10	OS20	FPIP65	S273K	13	22	A9-30-10	OTE16	T3P	1.5 MM SQ (Note 4)
5.5	11.9	ACH550-01-	012A-4	2.5 MM SQ	A1	16	OS20	FPIP65	S273K	16	22	A9-30-10	OTE16	T3P	1.5 MM SQ (Note 4)
7.5	15.4	ACH550-01-	015A-4	2.5 MM SQ	A1	16	OS20	FPIP65	S273K	20	22	A9-30-10	OTE16	T3P	1.5 MM SQ (Note 4)
11.0	23	ACH550-01-	023A-4	4 MM SQ	A1	25	OS32	FPIP65	S273K	32	40	A26-30-10	OTE25	T3P	2.5 MM SQ (Note 4)
15.0	31	ACH550-01-	031A-4	6 MM SQ	A3	35	OS63	FPIP65	S273K	40	40	A26-30-10	OTE25	T3P	4 MM SQ (Note 4)
18.5	38	ACH550-01-	038A-4	10 MM SQ	A3	50	OS63	FPIP65	S273K	50	55	A30-30-10	OTE36	T3P	6 MM SQ (Note 4)
22.0	44	ACH550-01-	044A-4	10 MM SQ	A3	50	OS63	FPIP65	S273K	63	60	A40-30-10	OTE75	T3P	10 MM SQ (Note 4)
30.0	59	ACH550-01-	059A-4	16 MM SQ	A3	63	OS63	FPIP65	T1B160R	63	85	A50-30-11	OTE75	T3P	16 MM SQ (Note 5), PE 10 MM SQ
37.0	72	ACH550-01-	072A-4	25 MM SQ	A3	80	OS100	FPIP65	T1B160R	80	105	A75-30-11	OTE75	T3P	16 MM SQ (Note 5), PE 10 MM SQ
45.0	96	ACH550-01-	096A-4	35 MM SQ	A4	125	OS100	P311P65	T1B160R	125	135	A95-30-11	OT125	ETAA3T + OEZXPE120 (x2)	25 MM SQ (Note 5), PE 16 MM SQ
55.0	124	ACH550-01-	124A-4	70 MM SQ	A4	160	OS125	P311P65	T1B160R	160	230	A145-30-11	OT160	ETAA3T + OEZXPE240 (x2)	50 MM SQ (Note 5), PE 25 MM SQ
75.0	157	ACH550-01-	157A-4	95 MM SQ	A4	200	OS160	P311P65	T3N250R	200	230	A145-30-11	OT200	KTAA3T + OEZXPE240 (x2)	70 MM SQ (Note 5), PE 35 MM SQ
90.0	180	ACH550-01-	180A-4	120 MM SQ	B3	250	OS200	P311P65	T3N250R	250	250	A185-30-11	OT200	KTAA3T + OEZXPE240 (x2)	95 MM SQ (Note 5), PE 50 MM SQ
110.0	196	ACH550-02-	196A-4	120 MM SQ	B3	250	OS200	P311P65	T3N250R	250	300	A210-30-11	OT200	KTAA3T + OEZXPE240 (x2)	95 MM SQ (Note 5), PE 50 MM SQ

NOTE-1 ALL SUPPLY CABLES BASED ON MINIMUM SIZE S.W.A @ 30 DEGREES C. NO DERATING FOR GROUPING OR LONG CABLE LENGTHS. FOUR (TP & E) CORE CABLE APPLIES LOCAL WIRING PRACTICE APPLIES.

NOTE-2 ALL MOTOR CABLES BASED ON MINIMUM SIZE S.W.A. AT 30C.NO DERATING FOR GROUPING OR LONG CABLE LENGTHS. LOCAL WIRING PRACTICE APPLIES.

NOTE-3 CONTACTOR SIZES ARE BASED ON AC1 RATINGS (RESISTIVE), WITH ALLOWANCE FOR CURRENT HARMONIC DISTORTION

NOTE-4 4 CORE CABLE (T.P.&E)
NOTE-5 3 CORE CABLE. (SYMMETRICAL) SEPARATE PE REQUIRED.

