

PowerFlex 755TL/TR AC Drives

7.5...4596 kW/10...6000 Hp in voltages from 400...690V

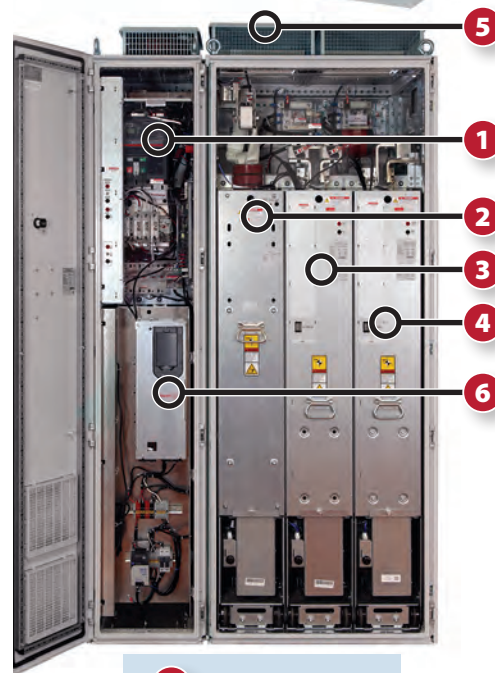
The new Allen-Bradley PowerFlex 755TL and 755TR drives expand the proven PowerFlex 753 and 755 AC drive portfolio and provide solutions for harmonic mitigation and regeneration. The drives offer energy-saving features and a world-class footprint along with simplified installation and start-up.

The new PowerFlex drives use TotalFORCE technology to deliver exceptional motor control through precise, adaptive control of position, velocity and torque. TotalFORCE technology incorporates several patented features that are designed to help optimize your system and maintain productivity through improved machine uptime.

PowerFlex 755TL and 755TR Drives at a Glance

Ratings	755TL	755TR
400V	7.5 ... 1250 kW	7.5 ... 3640 kW
480V	10 ... 1800 Hp	10 ... 6000 Hp
600V	10 ... 1500 Hp	10 ... 5100 Hp
690V	11 ... 1400 kW	11 ... 4596 kW
Motor Control	<ul style="list-style-type: none"> Field Oriented Control Sensorless Vector Control Flux Vector Control 	<ul style="list-style-type: none"> V/Hz Control Economizer Interior Permanent Magnet and Surface Permanent Magnet Flux Vector Control Voltage Boost
Enclosures	<ul style="list-style-type: none"> IP21, UL Type 1 	<ul style="list-style-type: none"> IP54, UL Type 12
Safety Options	<ul style="list-style-type: none"> Hardwired Safe Torque Off SIL3, PLe, CAT 3 Hardwired Safe Speed Monitor SIL3, PLe, CAT 4 	<ul style="list-style-type: none"> Networked Safe Torque Off SIL3, PLe, CAT 3 Networked Integrated Safety Functions SIL3, PLe, CAT 4
Additional Features	<ul style="list-style-type: none"> Active front end ride-through control reduces downtime TotalFORCE Technology Energy-efficient regenerative capability⁽¹⁾ Provides harmonic mitigation and power factor correction Optional built-in Dv/Dt filter designed to mitigate reflective wave phenomenon Modular construction for easy install and maintenance Built-in dual port EtherNet/IP Predictive diagnostics help monitor drive components 	<ul style="list-style-type: none"> Embedded DeviceLogix™ control Adaptive tuning Bus Observer Load Observer LCL Filter Resonance and failure detection Auto Restart Start at PowerUp Emergency Override Energy Pause TorqProve Line voltage and current imbalance detection
Certifications	<ul style="list-style-type: none"> cULus CE EAC KCC 	<ul style="list-style-type: none"> RCM RoHS WEEE <p>For a complete list, search PowerFlex Certifications on literature. rockwellautomation.com</p>
Options	See page 124	

(1) For PowerFlex 755TR Drives.



- 1 AC Pre-charge
- 2 LCL Filter
- 3 Line Side Converter
- 4 Motor Side Inverter
- 5 IP21/IP54 Enclosures
- 6 Control Pod

PowerFlex 755TL AC Drive

The PowerFlex 755TL drive provides harmonic mitigation and power factor correction through the use of active front end technology. By reducing the adverse effects of harmonic distortion, the drive helps improve energy efficiency, reduce energy costs and minimize power distribution issues on the factory floor. In addition, new TotalFORCE technology delivers exceptional motor control through precise, adaptive control of velocity, torque and position with patented features designed to help optimize your system and maintain productivity.

PowerFlex 755TR AC Drive

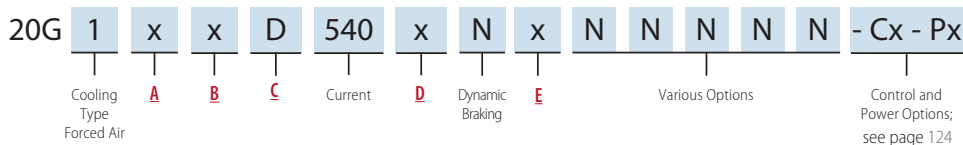
The PowerFlex 755TR drive has built-in regeneration capability that helps reduce energy consumption by delivering regenerative energy from motors back to the incoming supply. Line regeneration can reduce the need for braking resistors and associated cooling equipment and helps avoid wasteful dissipation of energy. The drive also offers harmonic mitigation and the benefits of TotalFORCE technology as well as a world-class footprint and simplified startup and installation.

Additional Information

PowerFlex 755T Drive Solutions Brochure, publication [755T-BR001](#)

PowerFlex 750-Series Products with TotalFORCE Control Technical Data, publication [750-TD100](#)

Catalog Number Explanation



A

Input Type		
Code	Description	Frames
6	Regenerative and low harmonic AFE, 755TR Drives	5...7
	Regenerative and low harmonic AFE, 755TM Bus Supplies	6...7
7	Regenerative and low harmonic AFE, 755TL Drives	5...7
D	Common Bus with DC Precharge	8...15
E	Common Bus without DC Precharge	8...15
F	Regenerative and low harmonic AFE, 755TR Drives	8...15
	Regenerative and low harmonic AFE, 755TM Bus Supplies	8...15
G	Low harmonic AFE, 755TL Drives ⁽¹⁾	8...10

⁽¹⁾ Low harmonic AFE (755TL) is only available up to 1800 Hp/1342 kW.

B

Enclosure	
Code	Description
N	IP00, UL Open Type
3	IP21, UL Type 1; floor mount
4	IP54, UL Type 12; floor mount

C

Voltage Rating	
Code	Voltage
C	400V AC: 3 PH
D	480V AC: 3 PH
E	600V AC: 3 PH
F	690V AC: 3 PH

D

Filtering and CM Cap Configuration			
Code	EMC Filtering	CM Cap Default Configuration	Reflected Wave Filtering
J	Yes	Jumper Installed	No
K	Yes	Jumper Installed	Yes
L	No	Jumper Installed	No
M	No	Jumper Installed	Yes

E

Door Mounted HIM	
Code	Operator Interface and Control
A	No door mounted HIM with TotalFORCE control
D	Enhanced LCD, full numeric, IP66, NEMA Type 4X/12 with TotalFORCE control

Product Selection

400V AC, Three-phase Drives

IP21/IP54, UL Types 1/12

Light Duty			Normal Duty					Heavy Duty					Base Cat. No.	Frame Size
kW	Cont.	1 min	kW	Cont.	1 min	3 s	Hp	kW	Cont.	1 min	3 s	Hp		
11	22	24	7.5	15.4	17	23	10	5.5	11.5	17	21	7.5	20G1xxC015NxNNNNN-Cx-Px	5
15	30	33	11	22	24	33	15	7.5	15.4	23	28	10	20G1xxC022NxNNNNN-Cx-Px	
18.5	37	41	15	30	33	45	20	11	22	33	40	15	20G1xxC030NxNNNNN-Cx-Px	
22	43	47	18.5	37	41	56	25	15	30	45	54	20	20G1xxC037NxNNNNN-Cx-Px	
30	60	66	22	43	47	65	30	19	37	56	67	25	20G1xxC043NxNNNNN-Cx-Px	
37	72	79	30	60	66	90	40	22	43	65	77	30	20G1xxC060NxNNNNN-Cx-Px	
45	85	94	37	72	79	108	50	30	60	90	108	40	20G1xxC072NxNNNNN-Cx-Px	
55	104	114	45	85	94	128	60	37	72	108	130	50	20G1xxC085NxNNNNN-Cx-Px	
55	104	114	55	104	114	156	75	45	85	128	153	60	20G1xxC104NxNNNNN-Cx-Px	
90	170	187	75	140	154	210	100	55	104	156	187	75	20G1xxC140NxNNNNN-Cx-Px	6
110	205	226	90	176	194	264	125	75	140	210	252	100	20G1xxC176NxNNNNN-Cx-Px	
132	260	286	110	205	226	308	150	90	170	255	306	125	20G1xxC205NxNNNNN-Cx-Px	
160	302	332	132	260	286	390	200	110	205	308	369	150	20G1xxC260NxNNNNN-Cx-Px	
200	367	404	160	302	332	453	250	132	260	390	468	200	20G1xxC302NxNNNNN-Cx-Px	7
250	460	506	200	367	404	551	300	160	302	453	544	250	20G1xxC367NxNNNNN-Cx-Px	
315	540	594	250	460	506	690	350	200	367	551	661	300	20G1xxC460NxNNNNN-Cx-Px	
315	585	644	315	540	594	810	400	250	460	690	828	350	20G1xxC540NxNNNNN-Cx-Px	
315	617	679	315	585	644	878	500	250	500	750	900	400	20G1xxC585NxNNNNN-Cx-Px	
200	367	404	160	302	332	453	200	132	260	390	468	200	20G1xxC302NxNNNNN-Cx-Px	8
250	460	506	200	367	404	551	250	160	302	453	544	250	20G1xxC367NxNNNNN-Cx-Px	
315	540	594	250	460	506	690	300	200	367	551	661	300	20G1xxC460NxNNNNN-Cx-Px	
	585	644	315	540	594	810	350	250	460	690	828	350	20G1xxC540NxNNNNN-Cx-Px	
355	650	715	315	585	644	878	350	250	472	708	850	350	20G1xxC585NxNNNNN-Cx-Px	
400	750	825	355	650	715	975	400	315	540	810	972	400	20G1xxC650NxNNNNN-Cx-Px	
450	796	876	400	750	825	1125	450	315	585	878	1053	450	20G1xxC750NxNNNNN-Cx-Px	
	832	915	400	770	847	1155	500	355	650	975	1170	500	20G1xxC770NxNNNNN-Cx-Px	
560	1040	1144	500	920	1012	1380	600	400	770	1155	1386	600	20G1xxC920NxNNNNN-Cx-Px	9
630	1090	1199	560	1040	1144	1560	700	500	920	1380	1656	700	20G1xxC1K0NxNNNNN-Cx-Px	
710	1182	1300	630	1112	1223	1668	750	500	1040	1560	1872	750	20G1xxC1K1NxNNNNN-Cx-Px	
800	1465	1612	710	1175	1293	1763	800	560	1090	1635	1962	800	20G1xxC1K2NxNNNNN-Cx-Px	
850	1581	1739	800	1465	1612	2198	900	630	1175	1763	2115	900	20G1xxC1K4NxNNNNN-Cx-Px	
1000	1715	1887	850	1590	1749	2385	1000	710	1465	2198	2637	1000	20G1xxC1K6NxNNNNN-Cx-Px	10
1250	2150	2365	1000	1715	1887	2573	1100	800	1480	2220	2664	1100	20G1xxC1K7NxNNNNN-Cx-Px	
1400	2330	2563	1250	2156	2372	3234	1500	1000	1715	2573	3087	1500	20G1xxC2K1NxNNNNN-Cx-Px	
1800	3078	3386	1650	2849	3134	4274	2000	1400	2330	3495	4194	2000	20G1xxC2K8NxNNNNN-Cx-Px	11
2200	3846	4231	2000	3542	3896	5313	2400	1650	3032	4548	5458	2400	20G1xxC3K5NxNNNNN-Cx-Px	12
2475	4576	5034	2200	4235	4659	6353	3600	1953	3575	5363	6435	2800	20G1xxC4K2NxNNNNN-Cx-Px	13
3285	6074	6681	2920	5621	6183	8432	4800	2592	4745	7118	8541	3700	20G1xxC5K6NxNNNNN-Cx-Px	14
4095	7571	8328	3640	7007	7708	10511	6000	3231	5915	8873	10647	4600	20G1xxC7K0NxNNNNN-Cx-Px	15

480V AC, Three-phase Drives

IP21/IP54, UL Types 1/12

Light Duty				Normal Duty					Heavy Duty					Base Cat. No.	Frame Size
kW	Cont.	1 min	Hp	kW	Cont.	1 min	3 s	Hp	kW	Cont.	1 min	3 s	Hp		
11	22	24	15	7.5	14	15	21	10	5.5	11	17	20	7.5	20G1xxD014xNxNNNNN-Cx-Px	5
15	27	30	20	11	22	24	33	15	7.5	14	21	25	10	20G1xxD022xNxNNNNN-Cx-Px	
19	34	37	25	15	27	30	41	20	11	22	33	40	15	20G1xxD027xNxNNNNN-Cx-Px	
22	40	44	30	19	34	37	51	25	15	27	41	49	20	20G1xxD034xNxNNNNN-Cx-Px	
30	52	57	40	22	40	44	60	30	19	34	51	61	25	20G1xxD040xNxNNNNN-Cx-Px	
37	65	72	50	30	52	57	78	40	22	40	60	72	30	20G1xxD052xNxNNNNN-Cx-Px	
45	77	85	60	37	65	72	98	50	30	52	78	94	40	20G1xxD065xNxNNNNN-Cx-Px	
55	96	106	75	45	77	85	116	60	37	65	98	117	50	20G1xxD077xNxNNNNN-Cx-Px	
55	96	106	75	55	96	106	144	75	45	77	116	139	60	20G1xxD096xNxNNNNN-Cx-Px	
90	156	172	125	75	125	138	188	100	55	96	144	173	75	20G1xxD125xNxNNNNN-Cx-Px	
110	186	205	150	90	156	172	234	125	75	125	188	225	100	20G1xxD156xNxNNNNN-Cx-Px	
132	248	273	200	110	186	205	279	150	90	156	234	281	125	20G1xxD186xNxNNNNN-Cx-Px	
160	302	332	250	132	248	273	372	200	110	186	279	335	150	20G1xxD248xNxNNNNN-Cx-Px	
200	361	397	300	160	302	332	453	250	132	248	372	446	200	20G1xxD302xNxNNNNN-Cx-Px	
250	430	473	350	200	361	397	542	300	160	302	453	544	250	20G1xxD361xNxNNNNN-Cx-Px	
315	485	534	400	250	430	473	645	350	200	361	542	650	300	20G1xxD430xNxNNNNN-Cx-Px	
315	545	600	450	315	505	556	758	400	250	430	645	774	350	20G1xxD505xNxNNNNN-Cx-Px	
315	617	679	500	315	600	660	900	500	250	500	750	900	400	20G1xxD617xNxNNNNN-Cx-Px	
200	361	397	300	186	302	332	453	250	149	248	372	446	200	20G1xxD302xNxNNNNN-Cx-Px	
250	430	473	350	224	361	397	542	300	186	302	453	544	250	20G1xxD361xNxNNNNN-Cx-Px	
315	485	534	400	261	430	473	645	350	224	361	542	650	300	20G1xxD430xNxNNNNN-Cx-Px	
	545	600	450	298	505	556	758	400	261	430	645	774	350	20G1xxD505xNxNNNNN-Cx-Px	
355	617	679	500	336	545	600	818	450	261	454	681	817	350	20G1xxD545xNxNNNNN-Cx-Px	
400	710	781	600	373	617	679	926	500	298	485	728	873	400	20G1xxD617xNxNNNNN-Cx-Px	
450	765	842	650	447	710	781	1065	600	336	545	818	981	450	20G1xxD710xNxNNNNN-Cx-Px	
	800	880	700	485	740	814	1110	650	373	617	926	1111	500	20G1xxD740xNxNNNNN-Cx-Px	
560	960	1056	800	522	800	880	1200	700	447	740	1110	1332	600	20G1xxD800xNxNNNNN-Cx-Px	
630	1045	1150	900	597	960	1056	1440	800	522	800	1200	1440	700	20G1xxD960xNxNNNNN-Cx-Px	
710	1135	1249	1000	671	1045	1150	1568	900	559	960	1440	1728	750	20G1xxD1K0xNxNNNNN-Cx-Px	
800	1365	1502	1100	746	1135	1249	1703	1000	597	1045	1568	1881	800	20G1xxD1K1xNxNNNNN-Cx-Px	
850	1520	1672	1250	820	1365	1502	2048	1100	671	1135	1703	2043	900	20G1xxD1K3xNxNNNNN-Cx-Px	
1000	1655	1821	1500	932	1420	1562	2130	1250	746	1365	2048	2457	1000	20G1xxD1K4xNxNNNNN-Cx-Px	
1250	2070	2277	1800	1119	1655	1821	2483	1500	820	1420	2130	2556	1100	20G1xxD1K6xNxNNNNN-Cx-Px	
1400	2240	2464	2000	1342	2072	2279	3108	1800	1119	1655	2483	2979	1500	20G1xxD2K0xNxNNNNN-Cx-Px	
1800	2960	3256	2600	1790	2738	3012	4107	2400	1491	2240	3360	4032	2000	20G1xxD2K6xNxNNNNN-Cx-Px	
2200	3696	4066	3300	2237	3404	3744	5106	3000	1790	2980	4470	5364	2400	20G1xxD3K4xNxNNNNN-Cx-Px	
2475	4400	4840	3900	2200	4070	4477	6105	3600	1953	3394	5091	6109	2800	20G1xxD4K0xNxNNNNN-Cx-Px	
3285	5840	6424	5200	2920	5402	5942	8103	4800	2592	4504	6756	8107	3700	20G1xxD5K4xNxNNNNN-Cx-Px	
4095	7280	8008	6400	3640	6734	7407	10101	6000	3231	5615	8423	10107	4600	20G1xxD6K7xNxNNNNN-Cx-Px	

(1) Low harmonic AFE (755TL) is only available in frame sizes 8, 9, and 10.

600V AC, Three-phase Drives

IP21/IP54, UL Types 1/12

Light Duty				Normal Duty					Heavy Duty					Base Cat. No.	Frame Size
kW	Cont.	1 min	Hp	kW	Cont.	1 min	3 s	Hp	kW	Cont.	1 min	3 s	Hp		
15	17	19	15	11	11	12	17	10	8	9	14	16	8	20G1xxE011xNxNNNNN-Cx-Px	5
19	22	24	20	15	17	19	26	15	10	11	17	20	10	20G1xxE017xNxNNNNN-Cx-Px	
22	27	30	25	19	22	24	33	20	15	17	26	31	15	20G1xxE022xNxNNNNN-Cx-Px	
30	32	35	30	22	27	30	41	25	20	22	33	40	20	20G1xxE027xNxNNNNN-Cx-Px	
37	41	45	40	30	32	35	48	30	24	27	41	49	25	20G1xxE032xNxNNNNN-Cx-Px	
45	52	57	50	37	41	45	62	40	29	32	48	58	30	20G1xxE041xNxNNNNN-Cx-Px	
55	62	68	60	45	52	57	78	50	37	41	62	74	40	20G1xxE052xNxNNNNN-Cx-Px	
75	77	85	75	55	62	68	93	60	45	52	78	94	50	20G1xxE062xNxNNNNN-Cx-Px	6
90	99	109	100	75	77	85	116	75	55	62	93	112	60	20G1xxE077xNxNNNNN-Cx-Px	
110	125	138	125	90	99	109	149	100	75	77	116	139	75	20G1xxE099xNxNNNNN-Cx-Px	
132	144	158	150	110	125	138	188	125	90	99	149	178	100	20G1xxE125xNxNNNNN-Cx-Px	
160	192	211	200	132	144	158	216	150	110	125	188	225	125	20G1xxE144xNxNNNNN-Cx-Px	7
200	242	266	250	160	192	211	288	200	132	144	216	259	150	20G1xxE192xNxNNNNN-Cx-Px	
250	295	325	300	200	242	266	363	250	160	192	288	346	200	20G1xxE242xNxNNNNN-Cx-Px	
315	355	391	350	250	295	325	443	300	200	242	363	436	250	20G1xxE295xNxNNNNN-Cx-Px	
355	395	435	400	315	355	391	533	350	250	295	443	531	300	20G1xxE355xNxNNNNN-Cx-Px	
400	435	479	450	355	395	435	593	400	315	355	533	639	350	20G1xxE395xNxNNNNN-Cx-Px	
224	295	325	300	186	242	266	363	250	149	192	288	346	200	20G1xxE242xNxNNNNN-Cx-Px	8 ⁽¹⁾
261	355	391	350	224	295	325	443	300	186	242	363	436	250	20G1xxE295xNxNNNNN-Cx-Px	
298	395	435	400	261	355	391	533	350	224	295	443	531	300	20G1xxE355xNxNNNNN-Cx-Px	
336	435	479	450	298	395	435	593	400	261	355	533	639	350	20G1xxE395xNxNNNNN-Cx-Px	
373	510	561	500	336	435	479	653	450	298	395	593	711	400	20G1xxE435xNxNNNNN-Cx-Px	
447	580	638	600	410	545	600	818	550	335	450	675	810	450	20G1xxE545xNxNNNNN-Cx-Px	
522	690	759	700	447	580	638	870	600	410	545	818	981	550	20G1xxE595xNxNNNNN-Cx-Px	9 ⁽¹⁾
597	760	836	800	485	690	759	1035	700	373	595	893	1071	600	20G1xxE690xNxNNNNN-Cx-Px	
671	825	908	900	597	760	836	1140	800	522	690	1035	1242	700	20G1xxE760xNxNNNNN-Cx-Px	
746	980	1078	1000	671	825	908	1238	900	597	760	1140	1368	800	20G1xxE825xNxNNNNN-Cx-Px	
820	1102	1212	1100	746	980	1078	1470	1000	671	825	1238	1485	900	20G1xxE980xNxNNNNN-Cx-Px	
932	1220	1342	1250	820	1045	1150	1568	1100	746	980	1470	1764	1000	20G1xxE1K1xNxNNNNN-Cx-Px	10 ⁽¹⁾
1119	1430	1573	1500	932	1220	1342	1830	1250	820	1045	1568	1881	1100	20G1xxE1K2xNxNNNNN-Cx-Px	
1193	1624	1786	1600	1119	1430	1573	2145	1500	932	1220	1830	2196	1250	20G1xxE1K5xNxNNNNN-Cx-Px	
1566	2146	2361	2100	1491	1946	2141	2919	2000	1342	1700	2550	3060	1800	20G1xxE2K0xNxNNNNN-Cx-Px	11
1939	2668	2935	2600	1864	2420	2662	3630	2500	1566	2070	3105	3726	2100	20G1xxE2K4xNxNNNNN-Cx-Px	12
3080	3190	3509	3300	2750	2998	3298	4497	3100	2200	2475	3713	4455	2500	20G1xxE2K9xNxNNNNN-Cx-Px	13
4088	4234	4657	4400	3650	3979	4377	5969	4100	2920	3285	4928	5913	3300	20G1xxE3K9xNxNNNNN-Cx-Px	14
5096	5278	5806	5500	4550	4960	5456	7440	5100	3640	4095	6143	7371	4100	20G1xxE4K9xNxNNNNN-Cx-Px	15

(1) Low harmonic AFE (755TL) is only available in frame sizes 8, 9, and 10.

690V AC, Three-phase Drives

IP21/IP54, UL Types 1/12

Light Duty				Normal Duty					Heavy Duty					Base Cat. No.	Frame Size
kW	Cont.	1 min	Hp	kW	Cont.	1 min	3 s	Hp	kW	Cont.	1 min	3 s	Hp		
15	20	22	15	11	15	17	23	10	8	12	18	22	8	20G1xxF015xNxNNNNN-Cx-Px	5
19	23	25	20	15	20	22	30	15	11	15	23	27	10	20G1xxF020xNxNNNNN-Cx-Px	
22	30	33	25	19	23	25	35	20	15	20	30	36	15	20G1xxF023xNxNNNNN-Cx-Px	
30	34	37	30	22	30	33	45	25	19	23	35	41	20	20G1xxF030xNxNNNNN-Cx-Px	
37	46	51	40	30	34	37	51	30	22	30	45	54	25	20G1xxF034xNxNNNNN-Cx-Px	
45	50	55	50	37	46	51	69	40	30	34	51	61	30	20G1xxF046xNxNNNNN-Cx-Px	
55	61	67	60	45	50	55	75	50	37	46	69	83	40	20G1xxF050xNxNNNNN-Cx-Px	
75	82	90	75	55	61	67	92	60	45	50	75	90	50	20G1xxF061xNxNNNNN-Cx-Px	
90	98	108	100	75	82	90	123	75	55	61	92	110	60	20G1xxF082xNxNNNNN-Cx-Px	
110	119	131	125	90	98	108	147	100	75	82	123	148	75	20G1xxF098xNxNNNNN-Cx-Px	
132	142	156	150	110	119	131	179	125	90	98	147	176	100	20G1xxF119xNxNNNNN-Cx-Px	
160	171	188	200	132	142	156	213	150	110	119	179	214	125	20G1xxF142xNxNNNNN-Cx-Px	
200	215	237	250	160	171	188	257	200	132	142	213	256	150	20G1xxF171xNxNNNNN-Cx-Px	7
250	265	292	300	200	215	237	323	250	160	171	257	308	200	20G1xxF215xNxNNNNN-Cx-Px	
315	330	363	350	250	265	292	398	300	200	215	323	387	250	20G1xxF265xNxNNNNN-Cx-Px	
355	370	407	400	315	330	363	495	350	250	265	398	477	300	20G1xxF330xNxNNNNN-Cx-Px	
400	415	457	450	355	370	407	555	400	315	330	495	594	350	20G1xxF370xNxNNNNN-Cx-Px	
250	265	292	335	200	215	237	323	268	160	171	257	308	215	20G1xxF215xNxNNNNN-Cx-Px	
315	330	363	422	250	265	292	398	335	200	215	323	387	268	20G1xxF265xNxNNNNN-Cx-Px	
355	370	407	476	315	330	363	495	422	250	265	398	477	335	20G1xxF330xNxNNNNN-Cx-Px	
400	415	457	536	355	370	407	555	476	315	330	495	594	422	20G1xxF370xNxNNNNN-Cx-Px	
450	460	506	603	400	415	457	623	536	355	370	555	666	476	20G1xxF415xNxNNNNN-Cx-Px	
560	565	622	751	500	505	556	758	671	400	415	623	747	536	20G1xxF505xNxNNNNN-Cx-Px	
630	650	715	845	560	565	622	848	751	500	505	758	909	671	20G1xxF565xNxNNNNN-Cx-Px	9 ⁽¹⁾
710	735	809	952	630	650	715	975	845	560	565	848	1017	751	20G1xxF650xNxNNNNN-Cx-Px	
800	820	902	1073	710	735	809	1103	952	630	650	975	1170	845	20G1xxF735xNxNNNNN-Cx-Px	
900	920	1012	1207	800	820	902	1230	1073	710	735	1103	1323	952	20G1xxF820xNxNNNNN-Cx-Px	
1000	1074	1181	1341	900	920	1012	1380	1207	800	820	1230	1476	1073	20G1xxF920xNxNNNNN-Cx-Px	
1100	1150	1265	1475	1000	1030	1133	1545	1341	900	920	1380	1656	1207	20G1xxF1K0xNxNNNNN-Cx-Px	
1250	1344	1478	1676	1100	1150	1265	1725	1475	1000	1030	1545	1854	1341	20G1xxF1K1xNxNNNNN-Cx-Px	
1500	1582	1740	2012	1400	1419	1561	2129	1877	1100	1162	1743	2092	1475	20G1xxF1K4xNxNNNNN-Cx-Px	
2000	2091	2300	2682	1800	1865	2052	2798	2414	1500	1535	2303	2763	2012	20G1xxF1K8xNxNNNNN-Cx-Px	11
2500	2599	2859	3353	2300	2318	2550	3477	3084	2000	2020	3030	3636	2682	20G1xxF2K3xNxNNNNN-Cx-Px	12
3080	3108	3419	3300	2750	2778	3056	4167	3100	2200	2283	3425	4109	2500	20G1xxF2K7xNxNNNNN-Cx-Px	13
4088	4125	4538	4400	3650	3687	4056	5531	4100	2920	3030	4545	5454	3300	20G1xxF3K6xNxNNNNN-Cx-Px	14
5096	5142	5656	5500	4550	4596	5056	6894	5100	3640	3777	5666	6799	4100	20G1xxF4K5xNxNNNNN-Cx-Px	15

(1) Low harmonic AFE (755TL) is only available in frame sizes 8, 9, and 10.

Control and Power Options for PowerFlex 755TL and TR Drives

Pre-engineered, factory installed options are available with the PowerFlex 755TL and 755TR drives.

To configure a catalog number for a PowerFlex 755T drive with options, perform the following steps:

2. Select the base drive catalog number from the tables on the previous pages. Drive selection is based on the output amps and corresponding system overload(s) required by the application.
For example: 20G1xxC750xNxNNNNN-Cx-Px.
3. Select required control from the Control and Power Options table. For example: 20G1xxC750xNxNNNNN-**C0**-Px.
4. Select required power from the table. Add the desired option codes to the end of the base drive catalog number, separating each option code with a dash. For example: 20G1xxC750xNxNNNNN-**C0-P15**.
5. If needed, select other power options from the table. For example: 20G1xxC750xNxNNNNN-**C0-P15-P46**.

Control and Power Options

Type	Option	Frame Sizes	Description
Control Options	C0 Torque Accuracy Control	5...12	Option that enables increased torque performance capability and the ability to operate in a Field Oriented Control mode.
Power Options	P15 Top Cable Exit (with wiring bay)	8...15	Option that enables a user to bring in their motor cables from the top of the cabinet.
	P16 Top Cable Entry (with wiring bay)	10...15	Option that enables a user to bring in their power/input cables from the top of the cabinet.
	P17 Top Cable Exit (without wiring bay)	8...9	Option that enables a user to bring in their power/input cables from the top of the cabinet.
	P50 DC Bus Conditioner	8...15	Eliminates peak voltage spikes on the system DC bus. Intended for systems that are not solidly grounded.
	P51 DC Bus Conditioner with Marine Discharge	7...15	Eliminates peak voltage spikes on the system DC bus. Intended for systems that are not solidly grounded (for marine applications).
	P60 Back-to-Back Configuration	13...15	Option that enables a Back-to-back configuration, providing a reduced footprint to support smaller installation areas.

Approximate Dimensions and Weights

Dimensions are in mm (in.) - weights are in kg (lb)

Frames 5...7

Frame Size	Input Voltage	Normal Duty Rating	Without Conduit Box				With Conduit Box			
			Width	Depth	Height	Weight	Width	Depth	Height	Weight
5	400	7.5...55 kW	343 (13.5)	356 (14)	863 (34)	85 (187)	343 (13.5)	356 (14)	1125 (44.3)	85 (187)
	480	10...60 Hp								
	600	10...50 Hp								
	690	11...55 kW								
6	400	75...132kW	404 (15.9)	361 (14.2)	1656 (65.2)	158 (349)	404 (15.9)	432 (17)	1877 (73.9)	158 (349)
	480	75...200 Hp								
	600	60...125 Hp								
	690	75...132 kW								
Frame Size	Input Voltage	Normal Duty Rating	IP21 Enclosure				IP54 Enclosure			
			Width	Depth	Height	Weight	Width	Depth	Height	Weight
7	400	160...315 kW	800 (31.5)	676 (26.6)	2131 (83.9)	596 (1315)	800 (31.5)	721 (28.4)	2291 (90.2)	596 (1315)
	480	250...500 Hp								
	600	150...400 Hp								
	690	160...355 kW								

Dimensions are in mm (in.) - weights are in kg (lb)

Frames 8...12

Frame	Input Voltage	Normal Duty Rating	Width		Combined Width - Drive with Optional Wiring Bays			Depth		Height		Weight	
			Drive	With Entry Bay	With Exit Bay	With Both Bays	IP21	IP54	IP21	IP54	Without Filter	With Filter	
8	400	160...400 kW	1200 (47.2)	(1)	1600 (63)	(1)	675 (26.6)	720 (28.3)	2132 (83.9)	2291 (90.2)	861.8 (1900)	920.8 (2030)	
	480	250...650 Hp											
	600	250...550 Hp											
	690	200...500 kW											
9	400	400...800 kW	2000 (78.7)	(1)	2400 (94.5)	(1)	675 (26.6)	720 (28.3)	2132 (83.9)	2291 (90.2)	1360.8 (3000)	1419.7 (3130)	
	480	650...1100 Hp											
	600	550...1000 Hp											
	690	500...900 kW											
10	400	800...1250 kW	3200 (126)	3600 (141.7)	3600 (141.7)	4000 (157.5)	675 (26.6)	720 (28.3)	2132 (83.9)	2291 (90.2)	2925.7 (6450)	3043.6 (6710)	
	480	1100...1800 Hp											
	600	1000...1500 Hp											
	690	900...1400 kW											
11	400	1200...1650 kW	3800 (149.6)	4600 (181.1)	4600 (181.1)	5400 (212.6)	675 (26.6)	720 (28.3)	2132 (83.9)	2291 (90.2)	3447.3 (7600)	3565.2 (7860)	
	480	1800...2400 Hp											
	600	1500...2000 Hp											
	690	1400...1800 kW											
12	400	1650...2000 kW	4600 (181.1)	5400 (212.6)	5400 (212.6)	6200 (244.1)	675 (26.6)	720 (28.3)	2132 (83.9)	2291 (90.2)	4286 (9450)	4463.3 (9840)	
	480	2400...3000 Hp											
	600	2000...2500 Hp											
	690	1800...2300 kW											

(1) Optional wiring bay is not required for top entry of power cables.

Frames 13...15

Frame Size	Input Voltage	Normal Duty Rating	In-line Dimensions							Back to Back Dimensions								
			Length	Depth		Height		Square Footage (m ²)		Weight	Length (mm)	Depth (mm)		Height (mm)		Square Footage (m ²)		Weight
				IP21	IP54	IP21	IP54	IP21	IP54			IP21	IP54	IP21	IP54	IP21	IP54	
13	400	2200 kW	8000 (314.8)	676 (26.6)	721 (28.4)	2132 (83.9)	2291 (90.2)	5.41	5.77	6984 (15397)	4000 (157.4)	1352 (53.2)	1442 (56.8)	2132 (83.9)	2291 (90.2)	5.41	5.77	7030 (15498)
	480	3600 Hp																
	600	3100 Hp																
	690	2750 kW																
14	400	2920 kW	10800 (425.2)	676 (26.6)	721 (28.4)	2132 (83.9)	2291 (90.2)	7.30	7.79	9122 (20111)	5400 (212.6)	1352 (53.2)	1442 (56.8)	2132 (83.9)	2291 (90.2)	7.30	7.79	9098 (20058)
	480	4800 Hp																
	600	4100 Hp																
	690	3650 kW																
15	400	3640 kW	12400 (488.2)	676 (26.6)	721 (28.4)	2132 (83.9)	2291 (90.2)	8.65	9.23	10842 (23902)	6200 (244.1)	1352 (53.2)	1442 (56.8)	2132 (83.9)	2291 (90.2)	8.38	8.94	10818 (23850)
	480	6000 Hp																
	600	5100 Hp																
	690	4550 kW																

PowerFlex 7-class Options

Human Interface Modules



Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	755TL/755TR
No HIM (Blank Plate), Handheld/Local (Drive Mount)	20-HIM-A0	✓	✓	✓
LCD Display, Full Numeric Keypad, Handheld/Local (Drive Mount)	20-HIM-A3	✓	—	—
LCD Display, Programmer Only, Handheld/Local (Drive Mount)	20-HIM-A5	✓	—	—
Enhanced, LCD, Full Numeric Keypad, Handheld/Local (Drive Mount)	20-HIM-A6	✓	✓	✓
Remote (Panel Mount) LCD Display, Full Numeric Keypad ⁽¹⁾⁽²⁾	20-HIM-C3S	✓	—	—
Remote (Panel Mount) LCD Display, Programmer Only ⁽¹⁾⁽²⁾	20-HIM-C5S	✓	—	—
Enhanced, LCD, Full Numeric Keypad ⁽¹⁾⁽²⁾	20-HIM-C6S	✓	✓	✓

(1) IP66, NEMA Type 4X/12—only for indoor use.

(2) Includes a 1202-C30 interface cable (3 m/9.8 ft) for connection to drive.

Human Interface Module (HIM) Accessories

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	755TL/755TR
Bezel Kit for LCD HIMs, NEMA Type 1 ⁽¹⁾	20-HIM-B1	✓	✓	✓
PowerFlex HIM Interface Cable, 1 m (3.3 ft) ⁽²⁾	20-HIM-H10	✓	✓	✓
Comm Option Cable Kit (Male-Male)				
0.33 m (1.1 ft)	1202-C03	✓	✓	✓
1 m (3.3 ft)	1202-C10	✓	✓	✓
3 m (9.8 ft)	1202-C30	✓	✓	✓
9 m (29.5 ft)	1202-C90	✓	✓	✓
Cable Kit (Male-Female) ⁽³⁾				
0.33 m (1.1 ft)	1202-H03	✓	✓	✓
1 m (3.3 ft)	1202-H10	✓	✓	✓
3 m (9.8 ft)	1202-H30	✓	✓	✓
9 m (29.5 ft)	1202-H90	✓	✓	✓
DPI™ Cable Kit with Connectors, Tools and 100 m (328 ft) Cable	1202-CBL-KIT-100M	✓	✓	✓
DPI Cable Connector Kit	1202-TB-KIT-SET	✓	✓	✓
DPI/SCANport™ One to Two Port Splitter Cable	1203-S03	✓	✓	✓

(1) Includes a 1202-C30 interface cable (3 m/9.8 ft) for connection to drive.

(2) Required only when HIM is used as handheld or remote.

(3) Required in addition to 20-HIM-H10 for distances up to a total maximum of 10 m (32.8 ft).

Communication Option Kits

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	755TL/755TR
BACnet/IP Option Module	20-750-BNETIP	—	✓	—
BACnet® MS/TP RS485 Communication Adapter	20-COMM-B	✓	—	—
Coaxial ControlNet™ Option Module	20-750-CNETC	—	✓	✓
ControlNet™ Communication Adapter (Coax)	20-COMM-C	✓	✓ ⁽¹⁾	—
DeviceNet™ Option Module	20-750-DNET	—	✓	✓
DeviceNet™ Communication Adapter	20-COMM-D	✓	✓ ⁽¹⁾	—
Dual-port EtherNet/IP Option Module	20-750-ENETR	—	✓	✓
EtherNet/IP™ Communication Adapter	20-COMM-E	✓	✓ ⁽¹⁾	—
Dual-port EtherNet/IP™ Communication Adapter	20-COMM-ER	✓	—	—
HVAC Communication Adapter	20-COMM-H	✓	✓ ⁽¹⁾	—
CANopen® Communication Adapter	20-COMM-K	✓	✓ ⁽¹⁾	—
LonWorks® Communication Adapter	20-COMM-L	✓	✓ ⁽¹⁾	—
Modbus/TCP Communication Adapter	20-COMM-M	✓	✓ ⁽¹⁾	—
Profibus DPV1 Option Module	20-750-PBUS	—	✓	✓ ⁽³⁾
Single-port Profinet I/O Option Module	20-750-PNET	—	✓	✓ ⁽³⁾
Dual-port Profinet I/O Option Module	20-750-PNET2P	—	✓	✓ ⁽³⁾
PROFIBUS™ DP Communication Adapter	20-COMM-P	✓	✓ ⁽¹⁾	✓ ⁽³⁾
ControlNet™ Communication Adapter (Fiber)	20-COMM-Q	✓	✓ ⁽¹⁾	—
RS485 DF1 Communication Adapter	20-COMM-S	✓	✓ ⁽¹⁾	—
External Communications Kit Power Supply	20-XCOMM-AC-PS1	✓	✓	—
DPI External Communications Kit	20-XCOMM-DC-BASE	✓	✓	—
External DPI I/O Option Board ⁽²⁾	20-XCOMM-IO-OPT1	✓	✓	—
Compact I/O Module (3 Channel)	1769-SM1	✓	✓	—

(1) Requires a Communication Carrier Card (20-750-20COMM or 20-750-20COMM-F1). Refer to the Communication Accessories table on page 128 for details.

(2) For use only with DPI External Communications Kits 20-XCOMM-DC-BASE.

(3) Contact Rockwell Automation sales office for availability.

PowerFlex 750-Series Drives Legacy Communication Compatibility

Most legacy communication adapters (20-COMM) can be used with the PowerFlex 753/755. However, the restrictions stated below do apply.

Frame 1 - It is recommended that the 20-750-20COMM-F1 Communication Carrier Card only be installed in Port 4. Port 5 is not accessible when this module is installed.

Frames 2 and larger - It is recommended that the 20-750-20COMM Communication Carrier Card be installed in Port 6. By using Port 4 or 5, the adjacent left port becomes inaccessible to other option modules and it can interfere with network cable connections.

Adapter		Accesses Ports 0...6 for I/O Connections (Implicit and Explicit Messaging)	Accesses Ports 7 and Higher (I/O, Explicit Messaging)	Supports Drive Add-on Profiles	Supports Asian- Languages ⁽²⁾
Cat. No.	Type				
20-COMM-B	BACnet MS/TP	Not Compatible			
20-COMM-C	ControlNet (Coax)	✓ v3.001 ⁽²⁾	✓ v3.001 ⁽²⁾	✓ ⁽³⁾	✓ v3.001 ⁽²⁾
20-COMM-D	DeviceNet	✓ ⁽⁴⁾	Not Compatible		
20-COMM-E	EtherNet/IP	✓ v4.001 ⁽⁴⁾	✓ v4.001 ⁽²⁾	✓ ⁽³⁾	✓ v4.001 ⁽²⁾
20-COMM-H	RS-485 HVAC	✓ v2.009 ⁽²⁾⁽⁵⁾	Not Compatible		
20-COMM-K	CANopen	✓ v1.001 ⁽²⁾			
20-COMM-L	LonWorks	✓ v1.007 ⁽²⁾			
20-COMM-M	Modbus/TCP	✓ v2.001 ⁽²⁾	✓ v2.001 ⁽²⁾	Not Compatible	✓ v2.001 ⁽²⁾
20-COMM-P	ControlNet (Fiber)	✓ v1.006 ⁽²⁾	✓ v1.006 ⁽²⁾		Not Compatible
20-COMM-Q	PROFIBUS DP	✓ v3.001 ⁽²⁾	✓ v3.001 ⁽²⁾	✓ ⁽³⁾	✓ v3.001 ⁽²⁾
20-COMM-S	RS-485 DF1	✓ ⁽⁴⁾	Not Compatible		

- (1) Chinese, Japanese, and Korean languages are supported at the time of publication.
 (2) Requires this adapter firmware version or higher.
 (3) Requires firmware version v1.05 or higher of the drive Add-on Profiles for Studio 5000 Logix Designer software.
 (4) Controller must be capable of reading/writing 32-bit floating point (REAL) values.
 (5) Supports all three modes of operation (RTU, P1, N2).

Communication Accessories

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	755TL/TR
Universal Serial Bus™ (USB) Converter includes 2m USB, 20-HIM-H10 and 22-HIM-H10 Cables	1203-USB	✓	✓	✓
ControlNet T-tap Straight	1786-TPS	—	✓	—
Communication Carrier Card for PowerFlex 750-Series Frame 1 drives	20-750-20COMM-F1		✓	
Communication Carrier Card for PowerFlex 750-Series Frame 2 or higher drives	20-750-20COMM		✓	

I/O Option Kits

Description	Cat. No.	Used with PowerFlex Drive	
		753/755	755TL/755TR
ATEX Option Module with 1 Thermosensor Input Connection (requires 11-Series I/O Module below)	20-750-ATEX	✓ ⁽¹⁾	✓
24V DC 11-Series I/O Module with 1 Analog In, 1 Analog Out, 3 Digital In and 2 Relay Outputs	20-750-1132C-2R	✓ ⁽¹⁾	✓
24V DC 11-Series I/O Module with 1 Analog In, 1 Analog Out, 3 Digital In, 1 Relay and 2 Transistor Outputs	20-750-1133C-1R2T	✓ ⁽¹⁾	✓
115V AC 11-Series I/O Module with 1 Analog In, 1 Analog Out, 3 Digital In and 2 Relay Outputs	20-750-1132D-2R	✓ ⁽¹⁾	✓
24V DC 22-Series I/O Module with 2 Analog In, 2 Analog Out, 6 Digital In and 2 Relay Outputs	20-750-2262C-2R	✓ ⁽¹⁾	✓
115V AC 22-Series I/O Module with 2 Analog In, 2 Analog Out, 6 Digital In and 2 Relay Outputs	20-750-2262D-2R	✓ ⁽¹⁾	✓
24V DC 22-Series I/O Module with 2 Analog In, 2 Analog Out, 6 Digital In, 3 Digital Out, 1 Relay and 2 Transistor Outputs	20-750-2263C-1R2T	✓ ⁽¹⁾	✓

(1) For kits to be used with CIP Motion instructions, the card can only be used in slot 7 of the PowerFlex 755 drive. It also requires PowerFlex 755 firmware version 12 and higher, and Studio 5000 version 28 and higher.

Safety Options⁽¹⁾

Description	Cat. No.	Used with PowerFlex Drive			
		70	753	755	755TL/755TR
DriveGuard Safe Torque Off	20A-DG01	✓	—	—	—
Hardwired Safe Torque Off	20-750-S	—	✓	✓	✓
Hardwired Safe Speed Monitor	20-750-S1	—	✓ ⁽²⁾	✓ ⁽²⁾	✓
Networked Safe Torque Off	20-750-S3	—	—	✓ ⁽³⁾⁽⁴⁾	✓ ⁽³⁾
Networked Integrated Safety Functions	20-750-S4	—	—	✓ ⁽⁵⁾⁽⁶⁾	✓ ⁽⁵⁾

(1) All PowerFlex 7-series drives can accommodate only one safety option.

(2) Requires the Dual Incremental Encoder or Universal Feedback Option. Also requires the 20-750-EMCSSM1-F8 EMC Option Kit with Frame 8...10 drives.

(3) Requires Studio 5000 version 30 and higher.

(4) Requires PowerFlex 755 firmware version 13 and higher. This option is not allowed while controlling a PowerFlex drive in CIP Motion mode.

(5) Requires Studio 5000 version 31 and higher.

(6) Requires PowerFlex 755 firmware version 14.002 and higher.

Feedback Options

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	755TL/755TR
5V/12V Encoder ⁽¹⁾	20A-ENC-1	✓	—	—
Incremental Encoder	20-750-ENC-1	—	✓ ⁽²⁾	✓
Dual Incremental Encoder	20-750-DENC-1	—	✓ ⁽²⁾	✓
Universal Feedback (includes Stegmann, Heidenhain, SSI, Biss, 5V Incremental)	20-750-UFB-1	—	✓ ⁽³⁾	✓

(1) Works only with PowerFlex 70 Enhanced Control. Drive is not CE EMC certified when the encoder interface option is installed.

(2) Homing and registration functions are not supported when using this device with Studio 5000 Logix Designer embedded motion instructions. To use these functions, the Universal Feedback Board (20-750-UFB-1) must be used.

(3) Only for PowerFlex 755 drives.

Other Options

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	755TL/755TR
115V AC Interface	AK-M9-115VAC-1	✓	—	—
Frame E Flange Gasket	AK-M9-GASKET1-E4	✓	—	—
Service Connection Board ⁽¹⁾	SK-M9-SCB1	✓	—	—

(1) Provides temporary DPI/HIM connection for NEMA/UL Type 1 and Flange drives with cover removed.

PowerFlex 750-Series Option Kits

Description	Frame Size	Cat. No.	Used with PowerFlex Drive		
			753	755	
Auxiliary Power Supply	24V Aux Power Supply	1...7 ⁽¹⁾	20-750-APS	✓	✓
DC Bus Bar Option Kit	DC Bus Bars for 240...480V AC drives	6	20-750-DCBB1-F6	✓	✓
		7	20-750-DCBB1-F7	✓	✓
	DC Bus Bars for 600...690V AC drives	6	20-750-DCBB2-F6	✓	✓
		7	20-750-DCBB2-F7	✓	✓
		8	20-750-BUS1A-F8	✓	✓
EMC Option Kit	EMC Plate with Core for 380...480V AC drives	1	20-750-EMC1-F1	✓	✓
		2	20-750-EMC1-F2	✓	✓
		3	20-750-EMC1-F3	✓	✓
	EMC Plate with Core for 600V AC drives		20-750-EMC3-F3	✓	✓
	EMC Plate with Cores for 380...480V AC drives	4	20-750-EMC1-F4	✓	✓
		5	20-750-EMC1-F5	✓	✓
	EMC Plate with Cores for 600V AC drives	4	20-750-EMC3-F4	✓	✓
		5	20-750-EMC3-F5	✓	✓
	EMC Core for 380...480V AC drives	1	20-750-EMC2-F1	✓	✓
		2	20-750-EMC2-F2	✓	✓
		3	20-750-EMC2-F3	✓	✓
	EMC Core for 600V AC drives		20-750-EMC4-F3	✓	✓
	EMC Cores for 380...480V AC drives	4...5	20-750-EMC2-F45	✓	✓
	EMC Cores for 600V AC drives	4	20-750-EMC4-F4	✓	✓
		5	20-750-EMC4-F5	✓	✓
	EMC Plate with Cores for 600...690V AC drives	6	20-750-EMC3-F6	✓	✓
		7	20-750-EMC3-F7	✓	✓
	EMC Plate with Cores for 600...690V AC drives (IP54 Only)	6	20-750-EMC5-F6	✓	✓
		7	20-750-EMC5-F7	✓	✓
	EMC Core – Inverter-mounted output cores, for 380...690V AC input and DC input drives. One each for Frame 8, two each for Frame 9, and three each for Frame 10.	8...10	20-750-EMCCM1-F8	—	✓
20-750-EMCSSM1-F8				✓	
EMC Cores – Required when using the Safe Speed Monitor option 20-750-S1 with 380...690V drives.					
Door Shielding Kit	10	20-750-EMCDK1-F10		✓	
Exhaust Hood	Exhaust Hood – IP20, NEMA/UL Type 1 drives. ⁽²⁾	8...10	20-750-HOOD1-F8		✓

(1) Frame 8 and up drives can be powered from an external 24V DC source, a 20-750-APS is not required.

(2) Exhaust hood is standard on Frames 8...10, IP54-rated cabinets.

(table continues on next page)

PowerFlex 750-Series Option Kits (continued)

Description		Frame Size	Cat. No.	Used with PowerFlex Drive	
				753	755
Flange Adapter Kit	Converts Open Type drive to external heatsink (flange) with NEMA/UL Type 1 integrity backside. This kit is for use with IP20, NEMA/UL Type 0 drives and does not provide an air-tight or water-tight seal. Where sealing is required (for example, contaminated, dirty or wet environments), a drive with an "F" enclosure option must be used.	2	20-750-FLNG1-F2	✓	✓
		3	20-750-FLNG1-F3	✓	✓
		4	20-750-FLNG1-F4	✓	✓
		5	20-750-FLNG1-F5	✓	✓
	Converts Open Type drive to external heatsink (flange) with NEMA/UL Type 4X/12 integrity backside.	6	20-750-FLNG4-F6	✓	✓
		7	20-750-FLNG4-F7	✓	✓
L Bus Bar Kit	Includes three L bus bars ⁽³⁾	8...10	20-750-LBRKT1	—	✓
NEMA/UL Type 1 Option Kit	NEMA/UL Type 1 Kit	1	20-750-NEMA1-F1	✓	✓
		2	20-750-NEMA1-F2	✓	✓
		3	20-750-NEMA1-F3	✓	✓
		4	20-750-NEMA1-F4	✓	✓
		5	20-750-NEMA1-F5	✓	✓
		6	20-750-NEMA1-F6	✓	✓
		7	20-750-NEMA1-F7	✓	✓
Power Terminal Extension	Allows connection of two parallel leads to the AC terminals.	6	20-750-ACTE1-F6	✓	✓
Power Terminal Guard	Provides additional protection against contact with the power terminals.		20-750-PTG1-F6	✓	✓
			20-750-PTG1-F7	✓	✓
Remote Control POD Mounting Kit	Hardware, fiber-optic, and power supply cables to remotely mount the control POD up to 23 m (75 ft) from the drive.	8...10	20-750-RPD1-F8	—	✓
Roll-out Cart	A wheeled roll-out cart that facilitates drive installation and removal. Recommended for PowerFlex 755 Frame 8...10 drives.		20-750-CART1-F8		✓

(1) Frame 8 and up drives can be powered from an external 24V DC source, a 20-750-APS is not required.

(2) Exhaust hood is standard on Frames 8...10, IP54-rated cabinets.

(3) Frame 8 drive is factory shipped with two L bus bars per phase as standard, Frame 9 drive is factory shipped with four L bus bars per phase as standard, and Frame 10 drive is factory shipped with six L bus bars per phase as standard.

PowerFlex 755T Drives Option Kits

Description	Frame Size	Cat. No.
PowerFlex 750 Kit, AC Bus Bar, 600 mm, TE	7...15	20-750-MTEBUS1-4K7
PowerFlex 750 Kit, AC Bus Bar, 400 mm, TE	7...15	20-750-MTEBUS2-3K0
PowerFlex 750 Kit, AC Bus Bar, TE	7...15	20-750-MTESPL1-F8M
PowerFlex 750 Kit, AC Bus Bar, TE, Al	7...15	20-750-MTESPL2-F10M
PowerFlex 750 Kit, AC Bus Bar, TE, Cu	7...15	20-750-MTESPL3-F12M
PowerFlex 750 Kit, Anti-tip	7...15	20-750-MINV-ATIP
PowerFlex 750 Kit, Power Module Cart	7...15	20-750-MCART1
PowerFlex 750 Kit, External Baying	8...15	20-750-MEXTBAY1
PowerFlex 750 Kit, Service Ramp	7...15	20-750-MRAMP1
PowerFlex 750 Kit, Empty Option Bay, 600 mm	7...15	20-750-MPBAY-600
PowerFlex 750 Kit, Empty Option Bay, 800 mm	7...15	20-750-MPBAY-800
PowerFlex 750 Kit, Torque Accuracy Module, 400/480V	7...15	20-750-MTAM1-CD
PowerFlex 750 Kit, Torque Accuracy Module, 600/690V	8...15	20-750-MTAM1-EF
PowerFlex 750 Kit, Ground Clamp	7...15	SK-RM-GRNDCLMP-185
	7...15	SK-RM-GRNDCLMP-75
	7...15	SK-RM-GRNDCLMP-16
	7...15	SK-RM-GRNDCLMP-50
PowerFlex 750 Kit, DC Bus Conditioner	8...15	20-750-MDCBUS-COND
PowerFlex 750 Kit, AC Common Mode Core	8...15	20-750-MACCM1-F8M
PowerFlex 750 Kit, DC Link/Fuse,400/480V	7...15	20-750-MDCL3-CD-F8M
PowerFlex 750 Kit, DC Link/Fuse, 600/690V	7...15	20-750-MDCL3-EF-F8M
PowerFlex 750 Kit, Door Fan & Filter 400MM	7...15	SK-RM-WBDR-FANFLR1
PowerFlex 750 Kit, Cart Bridge	7...15	SK-RM-MBRIDGE1-755T
PowerFlex 750 Kit, Cart Key Kit	7...15	SK-RM-MPIN1-755T
PowerFlex 750 Kit, HiHp Cart Clip Assy	7...15	SK-RM-MCLIP1-755T
PowerFlex 750 Kit, HiHp Conversion Assy ⁽¹⁾	7...15	20-750-MPLT755T
PowerFlex 750 Kit, Marine DC Bus Conditioner	8...15	20-750-MDCBUS1-COND
PowerFlex 750 Kit, EMC C2 Filter IP00	8...10	20-750-MEMCC2-F8910
PowerFlex 750 Kit, EMC Filter Bus Bar Kit	8	20-750-MEMCC2-F8
	9	20-750-MEMCC2-F9
	10	20-750-MEMCC2-F10
	8...10	20-750-MEMCC2-IPBB
PowerFlex 750 Kit, CBI Seismic Kit	8	20-750-MOSHDPD-F8M
	9	20-750-MOSHDPD-F9M
	10	20-750-MOSHDPD-F10M
	11	20-750-MOSHDPD-F11M
	12	20-750-MOSHDPD-F12M

(1) This kit attaches to the 20-750-MCART1. It enables the removal of power cores from PowerFlex 755 floor mount drives using the PowerFlex 755T drive service cart.

PowerFlex 755T Drives Option Kits

Description	Frame Size	Cat. No.	Description	Frame Size	Cat. No.	
PowerFlex 750 Kit, Transition Section	8...12	20-750-MTS-2100R	PowerFlex 750 Kit, C2 EMC Filter Kit,	5	SK-RM-EMC2-F5	
		20-750-MTS-2100L	PowerFlex 750 Kit, LCL Filter Capacitor, 600/690V		SK-RM-LCLCP6-F5	
		20-750-MTS-2100BR	PowerFlex 750 Kit, Heatsink Fan		SK-RM-HSFAN1-F5	
		20-750-MTS-2100BL	PowerFlex 750 Kit, Mixing Fan		SK-RM-MFAN1-F5	
		20-750-MTS-2500R	PowerFlex 750 Kit, LCL Filter Capacitor, 400/480V		SK-RM-LCLCP4-F5	
		20-750-MTS-2500L	PowerFlex 750 Kit, IP00 EMC Type 1 Conduit Box		SK-RM-CBOX1-F5	
PowerFlex 750 Kit, Transition Bus Bar Kit	8...12	20-750-MTS21-1-3K0	PowerFlex 750 Kit, Conduit Box, with Marine Discharge	5	SK-RM-CMRN-F5	
		20-750-MTS21-2-3K0	PowerFlex 750 Kit, Ground Plate		SK-RM-GNDPLT-F5	
		20-750-MTS21-1-C3K0	PowerFlex 750 Kit, C2 EMC Filter Kit	6	SK-RM-EMC2-F6	
		20-750-MTS21-2-C3K0	PowerFlex 750 Kit, Heatsink Fan		SK-RM-HSFAN1-F6	
		20-750-MTS21-1-B3K0	PowerFlex 750 Kit, Mixing Fan		SK-RM-MFAN1-F6	
		20-750-MTS21-2-B3K0	PowerFlex 750 Kit, IP00 EMC Type 1 Conduit Box		SK-RM-CBOX1-F6	
		20-750-MTS21-1-CB3K0	PowerFlex 750 Kit, Marine Discharge, IP00		SK-MDCBUS1-COND-F6	
		20-750-MTS21-2-CB3K0	PowerFlex 750 Kit, PE Jumper		SK-RM-JMPR1-F6	
		20-750-MTS21-1-1K2	PowerFlex 750 Kit, Ground Plate IP00		SK-RM-GNDPLT-F6	
		20-750-MTS21-2-1K2	PowerFlex 750 Kit, AC Input Flex Bus		7	20-750-MACINP-F7
		20-750-MTS21-1-C1K2	PowerFlex 750 Kit, MD, ACPC Board			20-750-MACPC1-CD-F7M
		20-750-MTS21-2-C1K2	PowerFlex 750 Kit, ACPC Breaker			20-750-MACPCCB-1K0
		20-750-MTS21-1-B1K2	PowerFlex 750 Kit, ACPC Resistor Bank	20-750-MACPR-CD-F7M		
		20-750-MTS21-2-B1K2	PowerFlex 750 Kit, ACPC Resistor Bank	20-750-MACPR-CD-F7M		
		20-750-MTS21-1-CB1K2	PowerFlex 750 Kit, Marine Discharge, IP00	20-750-MBSCD-DB		
		20-750-MTS21-2-CB1K2	PowerFlex 750 Kit, Single Control Pod (Low Harmonic Regenerative)	20-750-MCPOD1-F7M		
		20-750-MTS25-1-3K0	PowerFlex 750 Kit, Single Control Pod (Low Harmonic)	20-750-MCPOD2-F7M		
		20-750-MTS25-2-3K0	PowerFlex 750 Kit, DC Output Terminals	20-750-MDCOT-F7M		
		20-750-MTS25-1-1K2	PowerFlex 750 Kit, Floor Bracket, 800mm	20-750-MMNT1-F7M		
		20-750-MTS25-2-1K2	PowerFlex 750 Kit, IP21 Vent 800mm	20-750-MVENT1-F7M		
			PowerFlex 750 Kit, IP54 Vent 800mm	20-750-MVENT2-F7M		
			PowerFlex 750 Kit, MD, Module Fan	SK-RM-MFAN-F7		
			PowerFlex 750 Kit, Control Pod Fan	SK-RM-PODFAN-F7		