

Active Input Single Drives - regeneration and harmonic elimination

Fig 16 - SPMA

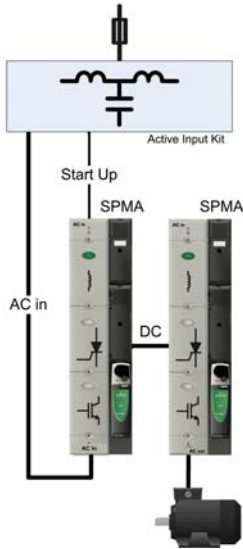


Fig 17 - SPMA + SPMD

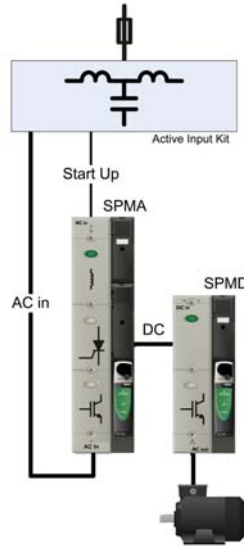
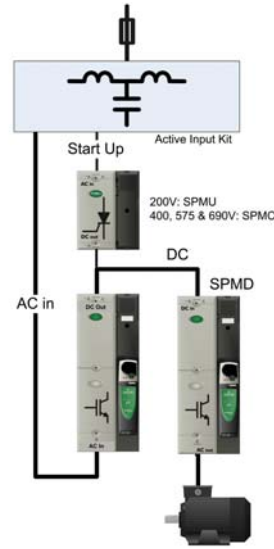


Fig 18 - SPMD + SPMC



	Normal Duty				Heavy Duty				Fig.	Top Level Drive Order Code	Drive Order Code Items			Active Input Kits ^[7]			
	Max Cont. Current	Typical Motor Output		Max Cont. Current	Typical Motor Output		Modules	Master			Rectifier	Order Kit based on required voltage and duty					
		(A)	@ 220V (kW)		@ 230V (HP)	(A)						@ 220V (kW)	@ 230V (HP)	Normal Duty	Heavy Duty	Normal Duty	Heavy Duty
							Drive					Normal Duty	Heavy Duty	Normal Duty	Heavy Duty		
200V	192	55	75	156	45	60	18	SPMD1221-R	2 x SPMD1221	2	1 x SPMU1402 ^[5]	200-2	200-1				
	248	75	100	192	55	75	18	SPMD1222-R	2 x SPMD1222	2	1 x SPMU1402 ^[5]	200-3	200-2				
	312	90	125	250	75	100	18	SPMD1223-R	2 x SPMD1223	2	1 x SPMU1402 ^[5]	200-4	200-3				
	350^[1]	110 ^[1]	150 ^[1]	290	90	125	18	SPMD1224-R	2 x SPMD1224	2	1 x SPMU1402 ^[5]	200-5	200-4				

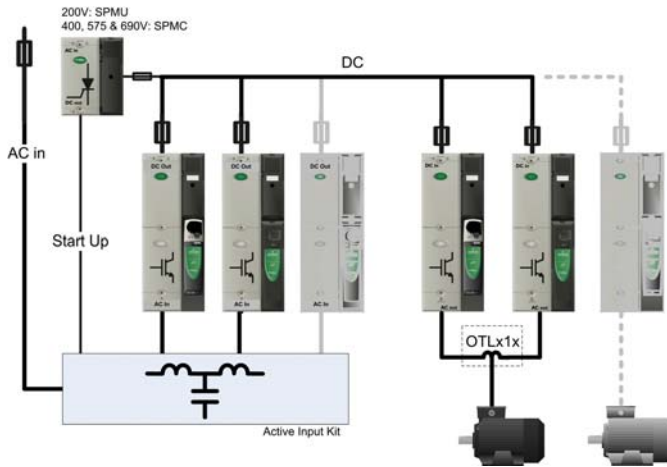
	@ 400V (kW)		@ 460V (HP)		@ 400V (kW)		@ 460V (HP)		Fig.	Top Level Drive Order Code	Drive Order Code Items			Active Input Kits ^[7]			
	Max Cont. Current	Typical Motor Output		Max Cont. Current	Typical Motor Output		Modules	Master			Rectifier	Order Kit based on required voltage and duty					
		(A)	@ 400V (kW)		@ 460V (HP)	(A)						@ 400V (kW)	@ 460V (HP)	Normal Duty	Heavy Duty	Normal Duty	Heavy Duty
							Drive					Normal Duty	Heavy Duty	Normal Duty	Heavy Duty		
400V	205	110	150	180	90	150	16	SPMA1421-R	2 x SPMA1421	2					400-2	400-1	
							17	SPMA/D1421-R	1 x SPMA1421 + 1 x SPMD1421	2							
							18	SPMD1421-R	2 x SPMD1421	2	1 x SPMC1402						
	236	132	200	210	110	150	16	SPMA1422-R	2 x SPMA1422	2							
							17	SPMA/D1422-R	1 x SPMA1422 + 1 x SPMD1422	2						400-3	400-2
	246	132	200	210	110	150	18	SPMD1422-R	2 x SPMD1422	2	1 x SPMC1402						
290	160	250	246	132	200	18	SPMD1423-R	2 x SPMD1423	2	1 x SPMC1402					400-3	400-3	
350^[1]	200 ^[1]	300 ^[1]	290	160	250	18	SPMD1424-R	2 x SPMD1424	2	1 x SPMC1402					400-4	400-3	

	@ 690V (kW)		@ 575V (HP)		@ 690V (kW)		@ 575V (HP)		Fig.	Top Level Drive Order Code	Drive Order Code Items			Active Input Kits ^[7]					
	Max Cont. Current	Typical Motor Output		Max Cont. Current	Typical Motor Output		Modules	Master			Rectifier	Order Kit based on required voltage and duty							
		(A)	@ 690V (kW)		@ 575V (HP)	(A)						@ 690V (kW)	@ 575V (HP)	Normal Duty	Heavy Duty	Normal Duty	Heavy Duty		
							Drive					Normal Duty	Heavy Duty	Normal Duty	Heavy Duty				
575V/690V	125	110	125	100	90	100	16	SPMA1621-R	2 x SPMA1621	2					690-2	690-1	575-2	575-1	
							17	SPMA/D1621-R	1 x SPMA1621 + 1 x SPMD1621	2									
							18	SPMD1621-R	2 x SPMD1621	2	1 x SPMC1601								
	144	132	150	125	110	125	16	SPMA1622-R	2 x SPMA1622	2									
							17	SPMA/D1622-R	1 x SPMA1622 + 1 x SPMD1622	2						690-3	690-2	575-3	575-2
	168	160	150	144	132	150	18	SPMD1622-R	2 x SPMD1622	2	1 x SPMC1601					690-4	690-3	575-4	575-3
192	185	200	168	160	150	18	SPMD1623-R	2 x SPMD1623	2	1 x SPMC1601					690-6	690-4	575-6	575-4	
						18	SPMD1624-R	2 x SPMD1624	2	1 x SPMC1601									

See notes on page 16

Active Input Multiple Drives - regeneration and harmonic elimination

Fig 19 - SPMD x 4 to x 20 + SPMC



	Normal Duty		Heavy Duty		Fig.	Top Level Drive Order Code	Drive				Active Input Kits ^[7]						
	Max Cont. Current	Typical Motor Output		Max. Cont. Current			Typical Motor Output		Modules			Inductors		Order Kit based on required voltage and duty			
		(A)	@ 220V (kW)				@ 230V (HP)	(A)	@ 220V (kW)	@ 230V (HP)	Drive	Master	Slave	Rectifier	Output	Normal Duty	Heavy Duty
200V	364	110	150	296	90	125	19	SPMD1221-2R	4 x SPMD1221	2	2	1 x SPMU1402 ^[5]	1 x OTL411	200-7	200-6		
	471	132	200	364	110	150	19	SPMD1222-2R	4 x SPMD1222	2	2	1 x SPMU1402 ^[5]	1 x OTL412	200-8	200-7		
	592	160	250	475	150	200	19	SPMD1223-2R	4 x SPMD1223	2	2	1 x SPMU1402 ^[5]	1 x OTL413	200-9	200-8		
	665	200	250	551	160	200	19	SPMD1224-2R	4 x SPMD1224	2	2	1 x SPMU1402 ^[5]	1 x OTL414	200-11	200-9		
For higher currents, please contact your supplier. The maximum number of parallel output stages is 10.																	
400V		@ 400V (kW)	@ 460V (HP)		@ 400V (kW)	@ 460V (HP)											
	390	225	300	342	185	300	19	SPMD1421-2R	4 x SPMD1421	2	2	1 x SPMC1402	1 x OTL411	400-6	400-5		
	468	280	400	400	225	350	19	SPMD1422-2R	4 x SPMD1422	2	2	1 x SPMC1402	1 x OTL412	400-7	400-6		
	552	315	450	468	280	400	19	SPMD1423-2R	4 x SPMD1423	2	2	1 x SPMC1402	1 x OTL413	400-7	400-7		
	666^[1]	350 ^[1]	550 ^[1]	552	315	450	19	SPMD1424-2R	4 x SPMD1424	2	2	1 x SPMC1402	1 x OTL414	400-9	400-7		
	702	400	600	600	315	500	19	SPMD1422-3R	6 x SPMD1422	2	4	1 x SPMC1402	3 x OTL402	400-10	400-8		
	828	450	700	702	400	650	19	SPMD1423-3R	6 x SPMD1423	2	4	1 x SPMC1402	3 x OTL403	400-10	400-10		
	1000^[1]	550 ^[1]	850 ^[1]	828	450	750	19	SPMD1424-3R	6 x SPMD1424	2	4	1 x SPMC1402	3 x OTL404	400-11	400-10		
	1104	630	900	937	550	800	19	SPMD1423-4R	8 x SPMD1423	2	6	1 x SPMC1402	4 x OTL403	400-12	400-12		
1333^[1]	750 ^[1]	1100 ^[1]	1104	630	950	19	SPMD1424-4R	8 x SPMD1424	2	6	1 x SPMC1402	4 x OTL404	400-14	400-12			
3333^[1]	1900 ^[1]	2900 ^[1]	2761	1500	2400	19	SPMD1424-10R	20 x SPMD1424	2	18	1 x SPMC2402	10 x OTL404	400-26	400-24			
For higher currents, please contact your supplier. The maximum number of parallel output stages is 10, as on next line:																	
575V / 690V		@ 690V (kW)	@ 575V (HP)		@ 690V (kW)	@ 575V (HP)											
	238	200	250	190	185	200	19	SPMD1621-2R	4 x SPMD1621	2	2	1 x SPMC1601	1 x OTL611	690-7	690-5	575-7	575-5
	274	250	300	238	200	250	19	SPMD1622-2R	4 x SPMD1622	2	2	1 x SPMC1601	1 x OTL612	690-8	690-7	575-8	575-7
	320	300	350	274	250	300	19	SPMD1623-2R	4 x SPMD1623	2	2	1 x SPMC1601	1 x OTL613	690-9	690-8	575-9	575-8
	365	350	400	320	300	350	19	SPMD1624-2R	4 x SPMD1624	2	2	1 x SPMC1601	1 x OTL614	690-11	690-9	575-11	575-9
	411	400	450	357	350	350	19	SPMD1622-3R	6 x SPMD1622	2	4	1 x SPMC1601	3 x OTL602	690-12	690-10	575-12	575-10
	480	450	500	411	400	450	19	SPMD1623-3R	6 x SPMD1623	2	4	1 x SPMC1601	3 x OTL603	690-13	690-12	575-13	575-12
	548	500	600	480	450	500	19	SPMD1624-3R	6 x SPMD1624	2	4	1 x SPMC1601	3 x OTL604	690-14	690-13	575-14	575-13
	640	630	700	548	500	600	19	SPMD1623-4R	8 x SPMD1623	2	6	1 x SPMC1601	4 x OTL603	690-16	690-15	575-16	575-15
	731	700	800	640	630	700	19	SPMD1624-4R	8 x SPMD1624	2	6	1 x SPMC1601	4 x OTL604	690-18	690-16	575-18	575-16
1828	1800	2000	1600	1550	1750	19	SPMD1624-10R	20 x SPMD1624	2	18	1 x SPMC2601	10 x OTL604	690-30	690-28	575-30	575-28	
For higher currents, please contact your supplier. The maximum number of parallel output stages is 10, as on next line:																	