
















EMI/EMC Filter Selection Guide by Type

Refer to EMI/EMC filter selection flow chart for options.

	Series	Features		Rated Voltage (voltage range max)	Rated Current																															
					1	3	4	6	10	16	20	25	30	36	40	50	60	64	80	100	120	125	150	160	200	250	300	400	600	800	1000					
Single-phase EMI/EMC filter	 EA Series 1-stage filter	Small size	Screw type	EAC: Attenuation for low frequency band (150kHz to 1MHz) EAM: Low leakage current EAP: Outside impulse attenuation	250VAC	3A 6A 10A 16A 20A 30A																														
	 ES Series 1-stage filter		Screwless type	ESC: Attenuation for low frequency band (150kHz to 1MHz) ESM: Low leakage current ESP: Outside impulse attenuation	250VAC	3A 6A 10A 16A																														
	 NA Series 1-stage filter	General purpose	Screw type	NAC: High-attenuation for low frequency band (150kHz to 1MHz) NAM: Low leakage current NAH: Ultra high-attenuation for ultra low frequency band (9kHz to 1MHz) NAP: Outside impulse high-attenuation	250VAC 277VAC (305VAC) 300VDC (400VDC)	4A 6A 10A 16A 20A 30A * NAH only, 6A to 30A								40A 50A 60A																						
	 NB Series 2-stage filter			High-attenuation	NBC: High-attenuation for low frequency band (150kHz to 1MHz) NBM: Low leakage current, Withstand voltage 4,000VAC NBH: Ultra high-attenuation and broadband (9kHz to 10MHz)	250VAC	6A 10A 16A 20A 30A																													
Three-phase EMI/EMC filter	 JAC Series 1-stage filter	Compact and low profile	General purpose	High-attenuation for low frequency band (150kHz to 1MHz)	500VAC (528VAC)	6A 10A 20A 30A 40A 50A 60A																														
	 TAC Series 1-stage filter			High-attenuation for low frequency band (150kHz to 1MHz)	500VAC (528VAC)	4A 6A 10A 20A 30A 50A 60A 80A 100A 150A 200A 250A 300A																														
	 TAH Series 1-stage filter			Ultra high-attenuation for ultra low frequency band (9kHz to 10MHz)	500VAC (528VAC)	4A 6A 10A 20A 30A 50A 60A 80A 100A 150A																														
	 TBC Series 2-stage filter	Book type (Space-saving type)	High-attenuation	High-attenuation for low frequency band (150kHz to 1MHz)	500VAC (528VAC)											50A 60A 80A 100A 150A 200A 250A 300A																				
	 FTA Series 1-stage filter		General purpose	High-attenuation for low frequency band (150kHz to 1MHz)	500VAC (528VAC)											40A 50A 60A 80A 100A 125A 150A																				
	 FTB Series 2-stage filter			Ultra high-attenuation for low frequency band (150kHz to 1MHz)	500VAC (528VAC)											80A 100A 150A																				
	 FSB Series 2-stage filter	Low profile	Saturation resistance type	EMI/EMC Filter for motor drive system (AC servo) Improve saturation resistance	500VAC (528VAC)	10A 20A 30A 40A 50A 60A 80A 100A 150A																														
	 TSC Series multi-stage filter		Ultra high-attenuation	Ultra high-attenuation from 150kHz to 1MHz	500VAC (528VAC)																					400A 600A										
	 TSD Series multi-stage filter		Saturation resistance type	Ultra high-attenuation from 150kHz to 1MHz	500VAC (528VAC)																					400A 600A 800A 1000A										
	 YAC Series 1-stage filter	Four-wire	General purpose	High-attenuation for low frequency band (150kHz to 1MHz) 1-stage filter: 25A to 80A 2-stage filter: 120A to 300A	500/289VAC (528/305VAC)											25A 36A 64A 80A 120A 160A 200A 300A																				
DC EMI/EMC filter	 SNA Series 1-stage filter			Ripple noise attenuation for switch mode power supplies	For ±V output power supply	DC±50V	1A 3A 6A																													
	 SNR Series 1-stage filter	For +V output power supply (Peak load)	DC50V		10A																															

EMI/EMC Filter Selection Guide by Function

Refer to EMI/EMC filter selection flow chart for options.

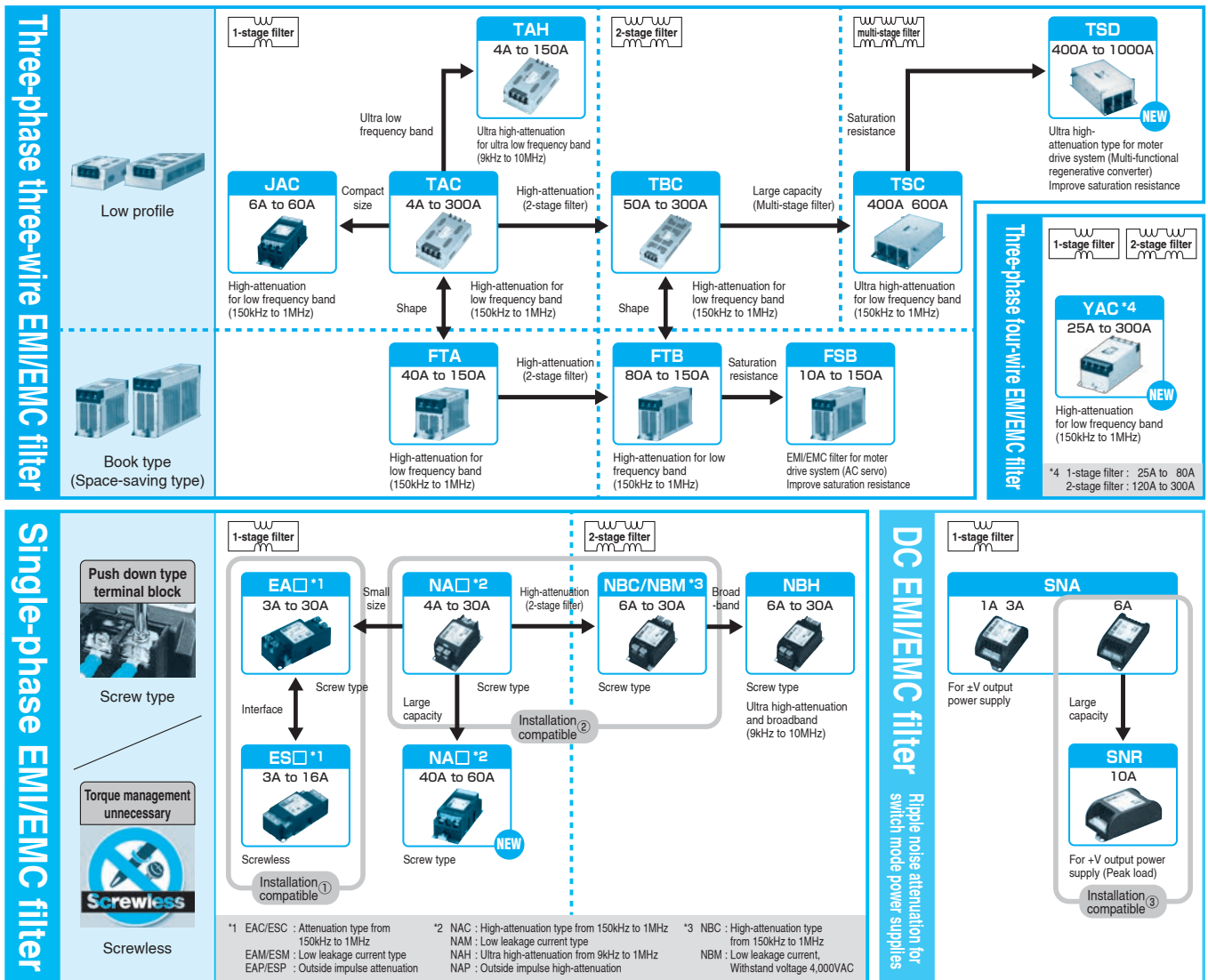
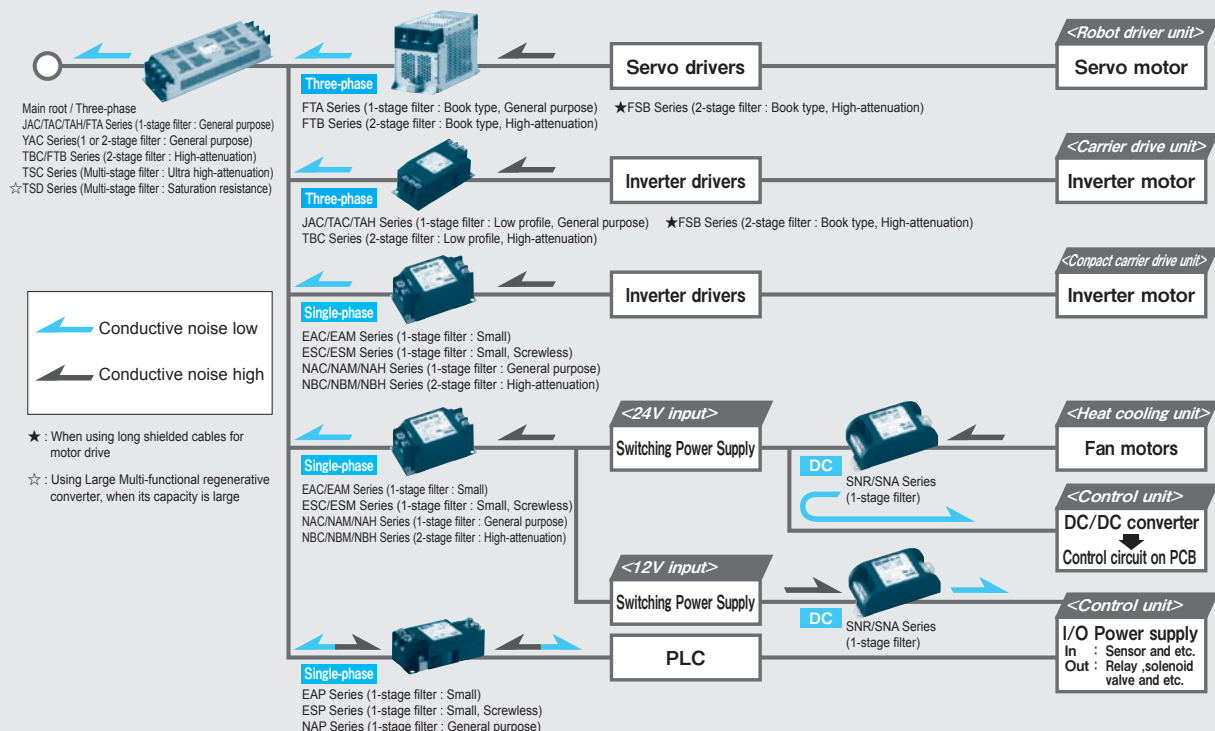


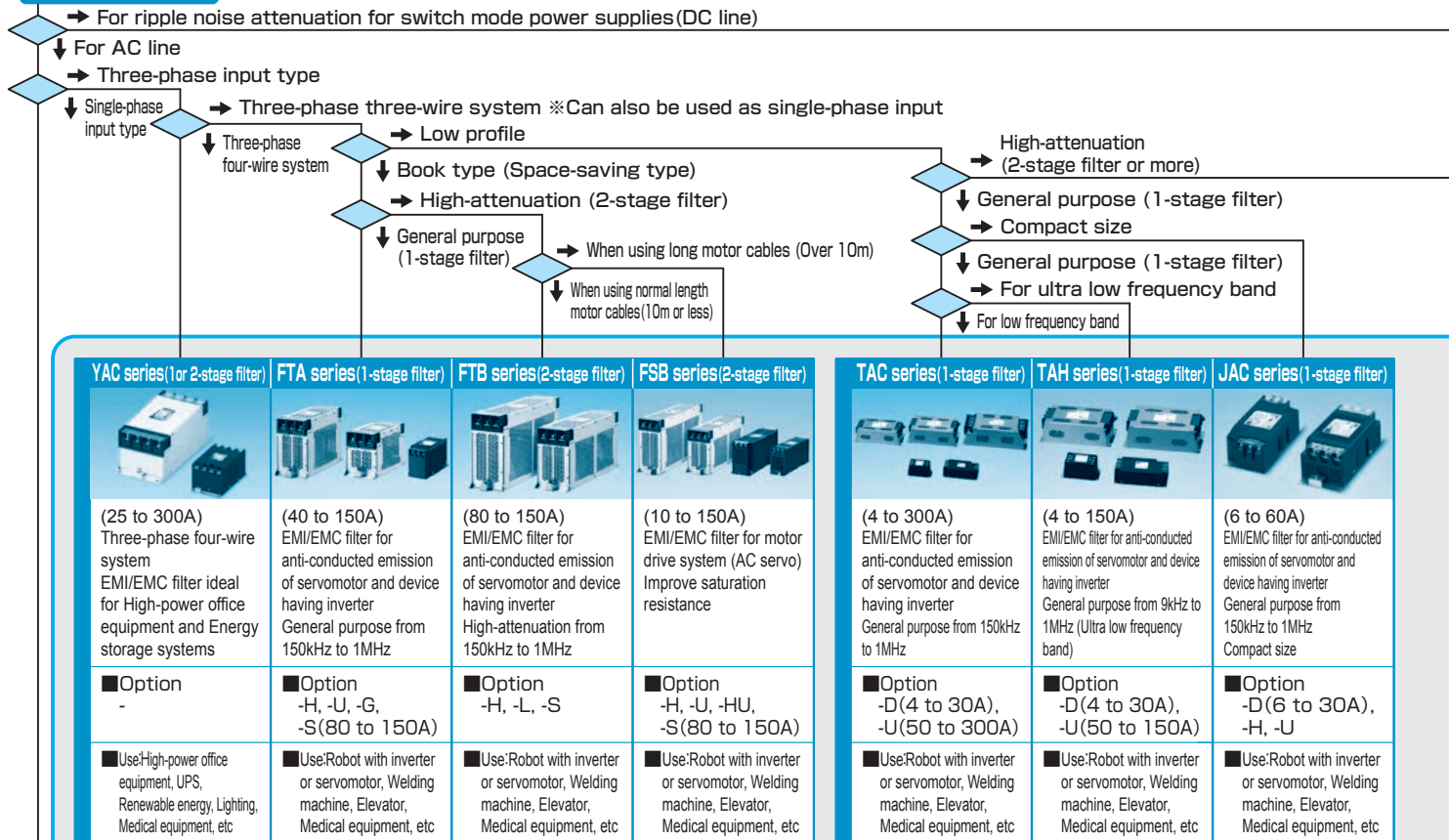
Diagram of Sample application



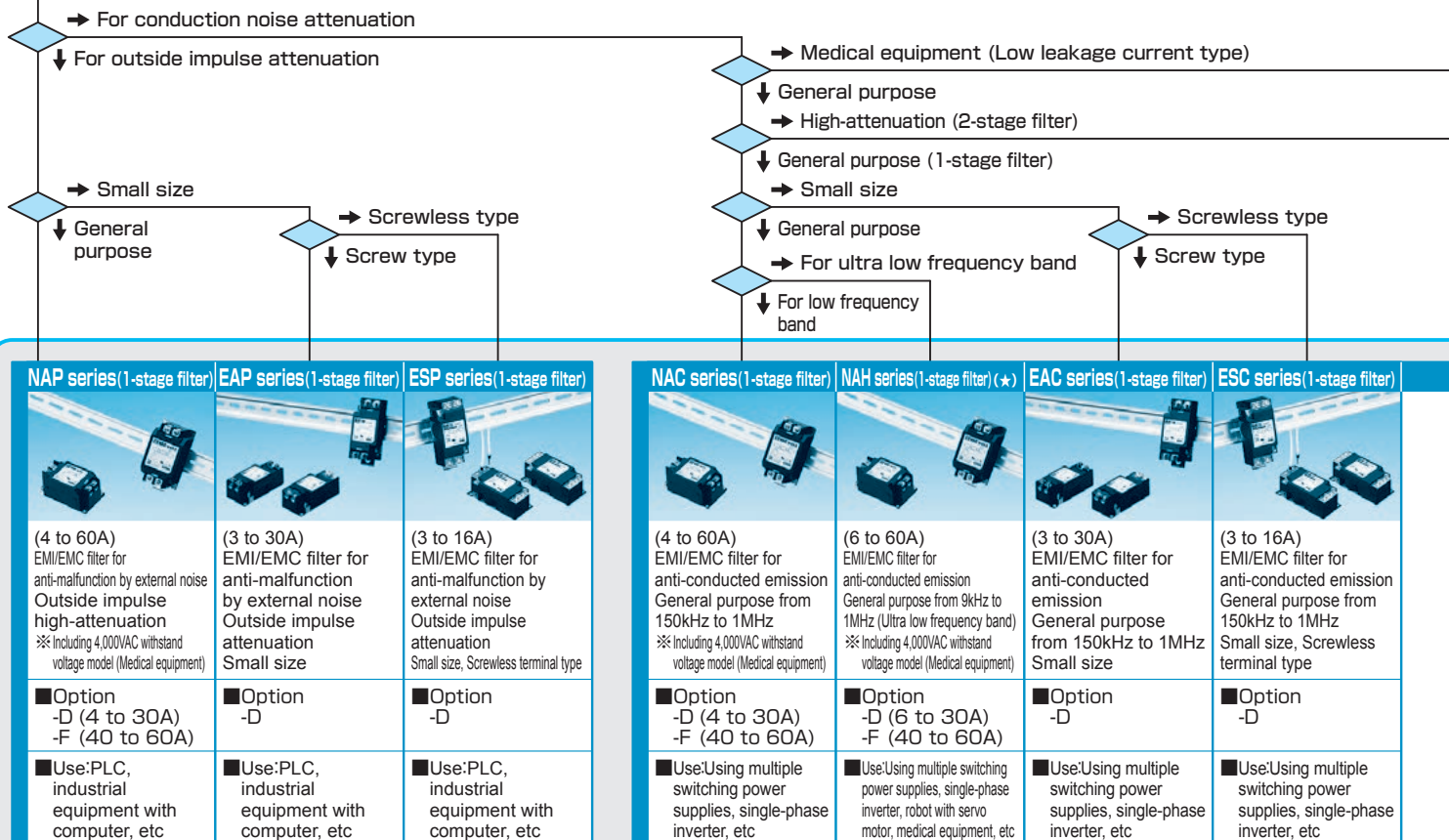
EMI/EMC Filter Selection flow chart

By using the flow chart below, you can easily select the model you need.

START



Three-phase EMI/EMC filter



Single-phase EMI/EMC filter

■Option

- D : DIN rail installation type
- G : With switch of line to ground capacitor
- L : Ultra high-attenuation type for EU
- T : Terminal block type

- F : High input voltage (Rated voltage 500VAC/600VDC)
- H : Ultra high-attenuation type
- S : Hexagon socket head cap screw (Standard type is Hexagon head screw)
- U : Improve differential mode attenuation (Rated voltage 250V)

