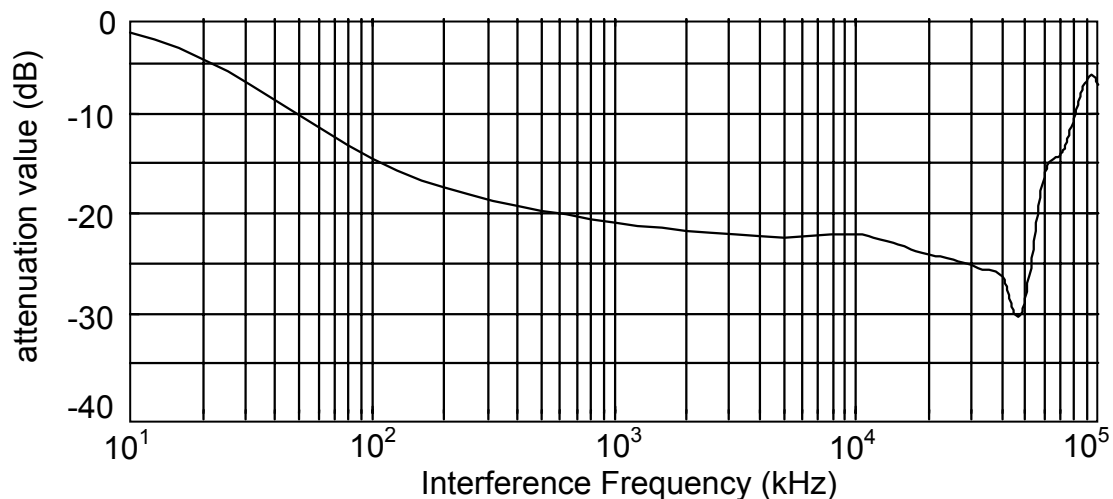
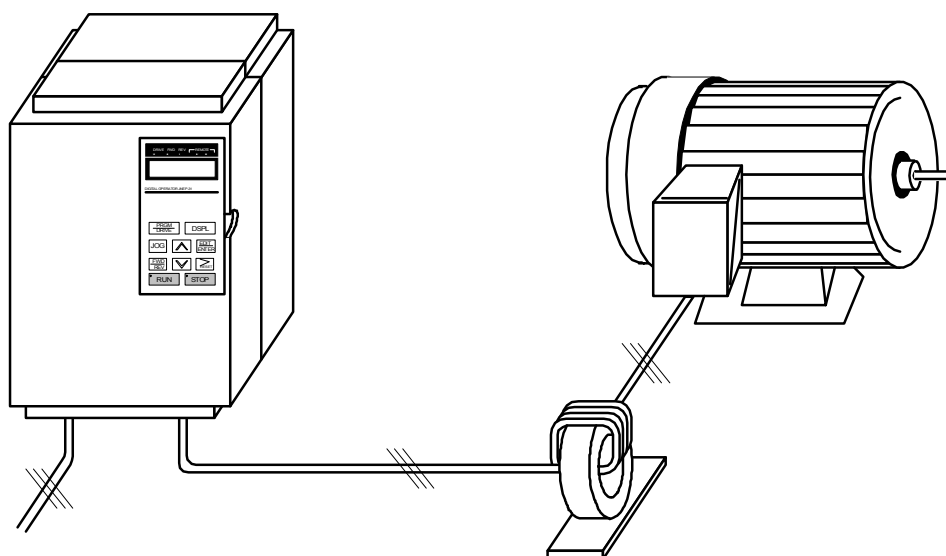


9.2.2 EMI SUPPRESSION ZERO CORE

- Model: JUNFOC046S - - - - -
- Code No.: 4H000D0250001
- According to the required power rating and wire size, select the matched ferrite core to suppress the zero sequence EMI filter.
- The ferrite core can attenuate the frequency response at high frequency range (from 100KHz to 50MHz, as shown below). It should be able to attenuate the RFI from inverter to outside.
- The zero-sequence noise filter ferrite core can be installed either on the input side or on the output side. The wire around the core for each phase should be wound by following the same convention and one direction. The more winding turns the better attenuation effect. (Without saturation). If the wire size is too big to be wound, all the wire can be grouped and go through these several cores together in one direction.
- Frequency attenuation characteristics (10 windings case)



Example: EMI suppression zero core application example



Note: All the line wire of U/T1, V/T2, W/T3 phase must pass through the same zero-phase core in the same winding sense.

9.3 BRAKING RESISTOR AND BRAKING UNIT

- The braking transistor of 440V 25HP was built-in as standard, the braking resistor can be connected to main circuit terminals B2 and + directly. The others without built-in braking transistor need to connect braking unit with braking resistor externally.
- When connecting braking resistor or braking unit with braking resistor, set system parameter Sn-10=XX1X (i.e. stall prevention during deceleration not enabled).
- Braking resistor and braking unit selection table is shown below.

Table 10 Braking Resistor and Braking Unit

Inverter			Braking Unit		Braking Resistor			Braking Torque (%)
Voltage	HP	Rated current (A)	MODEL NO.	Number used	MODEL NO.	Specs.	Number used	
220V	25	80A	JNTBU-230	1	JNBR-4R8KW8	4800W/8Ω	1	119%(10%ED)
	30	96A	JNTBU-230	1	JNBR-4R8KW6R8	4800W/6.8Ω	1	117%(10%ED)
	40	130A	JNTBU-230	2	JNBR-3KW10	3000W/10Ω	2	119%(10%ED)
	50	160A	JNTBU-230	2	JNBR-3KW10	3000W/10Ω	2	99%(10%ED)
	60	183A	JNTBU-230	2	JNBR-4R8KW6R8	4800W/6.8Ω	2	117%(10%ED)
	75	224A	JNTBU-230	3	JNBR-4R8KW6R8	4800W/6.8Ω	2	98%(10%ED)
	100	300A	JNTBU-230	3	JNBR-4R8KW6R8	4800W/6.8Ω	3	108%(10%ED)
440V	25	40A	-	-	JNBR-1R6KW50	1600W/50Ω	1	84%(10%ED)
	30	48A	JNTBU-430	1	JNBR-4R8KW27R2	4800W/27.2Ω	1	117%(10%ED)
	40	64A	JNTBU-430	1	JNBR-6KW20	6000W/20Ω	1	119%(10%ED)
	50	80A	JNTBU-430	2	JNBR-4R8KW32	4800W/32Ω	2	119%(10%ED)
	60	96A	JNTBU-430	2	JNBR-4R8KW27R2	4800W/27.2Ω	2	117%(10%ED)
	75	128A	JNTBU-430	2	JNBR-6KW20	6000W/20Ω	2	126%(10%ED)
	100	165A	JNTBU-430	3	JNBR-6KW20	6000W/20Ω	3	139%(10%ED)
	125	192A	JNTBU-430	3	JNBR-6KW20	6000W/20Ω	3	115%(10%ED)
	150	224A	JNTBU-430	3	JNBR-6KW20	6000W/20Ω	3	99%(10%ED)
	175	270A	JNTBU-430	5	JNBR-6KW20	6000W/20Ω	5	134%(10%ED)
	215	300A	JNTBU-430	6	JNBR-6KW20	6000W/20Ω	6	131%(10%ED)
	250	340A	JNTBU-430	6	JNBR-6KW20	6000W/20Ω	6	115%(10%ED)
	300	450A	JNTBU-430	6	JNBR-6KW20	6000W/20Ω	6	99%(10%ED)
	400	600A	JNTBU-430	9	JNBR-6KW20	6000W/20Ω	9	109%(10%ED)

Note: Another choices are listed as below. (JUVPHV-0060 no UL certification.)

440V 50HP : (JUVPHV-0060+JNBR-9R6KW16)x1

440V 60HP : (JUVPHV-0060+JNBR-9R6KW13R6)x1

440V 125HP : (JUVPHV-0060+JNBR-9R6KW13R6)x2

440V 215HP : (JUVPHV-0060+JNBR-9R6KW13R6)x4

440V 300HP : (JUVPHV-0060+JNBR-9R6KW13R6)x5

440V 100HP : (JUVPHV-0060+JNBR-9R6KW13R6)x2

440V 175HP : (JUVPHV-0060+JNBR-9R6KW13R6)x3

440V 250HP : (JUVPHV-0060+JNBR-9R6KW13R6)x4

440V 400HP : (JUVPHV-0060+JNBR-9R6KW13R6)x6