

SINAMICS V20 quick selection chart

usa.siemens.com/sinamics-v20

Step 1 — Select the appropriate drive based on input voltage and FLA on the motor.

Step 2 — If line filtering is required, select the appropriate line filter.

Step 3 — If braking resistors are required, select the appropriate braking resistor.

Step 4 — Select appropriate options

Step 1

Voltage	Normal Duty ¹		NO OC ²	High Overload ³		HO OC ⁴
	HP	kW	A	HP	kW	A
480	0.50	0.37	1.30	0.50	0.37	1.30
480	0.75	0.55	1.70	0.75	0.55	1.70
480	1.00	0.75	2.20	1.00	0.75	2.20
480	1.50	1.10	3.10	1.50	1.10	3.10
480	2.00	1.50	4.10	2.00	1.50	4.10
480	3.00	2.20	4.80	3.00	2.20	4.80
480	4.00	3.00	7.30	4.00	3.00	7.30
480	5.00	4.00	8.24	5.00	4.00	8.24
480	7.50	5.50	11.00	7.50	5.50	11.00
480	10.00	7.50	16.50	10.00	7.50	16.50
480	15.00	11.00	21.00	15.00	11.00	21.00
480	20.00	15.00	31.00	20.00	15.00	31.00
480	30.00	22.00	40.00	25.00	18.50	34.00
480	40.00	30.00	52.00	30.00	22.00	40.00

1ph 230	0.17	0.12	0.90	0.17	0.12	0.90
1ph 230	0.33	0.25	1.70	0.33	0.25	1.70
1ph 230	0.50	0.37	2.30	0.50	0.37	2.30
1ph 230	0.75	0.55	3.20	0.75	0.55	3.20
1ph 230	1.00	0.75	4.20	1.00	0.75	4.20
1ph 230	1.50	1.10	6.00	1.50	1.10	6.00
1ph 230	2.00	1.50	7.80	2.00	1.50	7.80
1ph 230	3.00	2.20	11.00	3.00	2.20	11.00
1ph 230	4.00	3.00	13.60	4.00	3.00	13.60

Unfiltered RS485 / USS / ModBus Order No.	Filtered (Class A) RS485 / USS / ModBus Order No.
6SL3210-5BE13-7UV0	6SL3210-5BE13-7CV0
6SL3210-5BE15-5UV0	6SL3210-5BE15-5CV0
6SL3210-5BE17-5UV0	6SL3210-5BE17-5CV0
6SL3210-5BE21-1UV0	6SL3210-5BE21-1CV0
6SL3210-5BE21-5UV0	6SL3210-5BE21-5CV0
6SL3210-5BE22-2UV0	6SL3210-5BE22-2CV0
6SL3210-5BE23-0UV0	6SL3210-5BE23-0CV0
6SL3210-5BE24-0UV0	6SL3210-5BE24-0CV0
6SL3210-5BE25-5UV0	6SL3210-5BE25-5CV0
6SL3210-5BE27-5UV0	6SL3210-5BE27-5CV0
6SL3210-5BE31-1UV0	6SL3210-5BE31-1CV0
6SL3210-5BE31-5UV0	6SL3210-5BE31-5CV0
6SL3210-5BE31-8UV0	6SL3210-5BE31-8CV0
6SL3210-5BE32-2UV0	6SL3210-5BE32-2CV0

6SL3210-5BB11-2UV1	6SL3210-5BB11-2AV1
6SL3210-5BB12-5UV1	6SL3210-5BB12-5AV1
6SL3210-5BB13-7UV1	6SL3210-5BB13-7AV1
6SL3210-5BB15-5UV1	6SL3210-5BB15-5AV1
6SL3210-5BB17-5UV1	6SL3210-5BB17-5AV1
6SL3210-5BB21-1UV0	6SL3210-5BB21-1AV0
6SL3210-5BB21-5UV0	6SL3210-5BB21-5AV0
6SL3210-5BB22-2UV0	6SL3210-5BB22-2AV0
6SL3210-5BB23-0UV0	6SL3210-5BB23-0AV0

Step 2

Line Reactor Order No.
6SL3203-0CE13-2AA0
6SL3203-0CE21-0AA0
6SL3203-0CE21-8AA0
6SL3203-0CE23-8AA0
6SL3203-0CJ24-5AA0
6SL3203-0CD25-3AA0

6SE6400-3CC00-4AB3
6SE6400-3CC01-0AB3
6SE6400-3CC02-6BB3
6SE6400-3CC03-5CB3

Output Reactor Load Reactor Order No.
6SL3202-0AE16-1CA0
6SL3202-0AE18-8CA0
6SL3202-0AE21-8CA0
6SL3202-0AE23-8CA0
6SE6400-3TC05-4DD0
6SE6400-3TC03-8DD0

6SE6400-3TC00-4AD3
6SE6400-3TC01-0BD3
6SE6400-3TC03-2CD3

Step 3

DC Bus Components Braking Resistor Order No.
6SL3201-0BE14-3AA0
6SL3201-0BE21-0AA0
6SL3201-0BE21-8AA0
6SL3201-0BE23-8AA0
6SE6400-4BD21-2DA0

6SE6400-4BC05-0AA0
6SE6400-4BC11-2BA0
6SE6400-4BC12-5CA0

Step 4

Description	Order No.
SINAMICS V20, Smart Access module	6SL3255-0VA00-5AA0
SINAMICS V20, Parameter Loader	6SL3255-0VE00-0UA1
SINAMICS V20, BOP interface	6SL3255-0VA00-2AA1
SINAMICS V20, BOP	6SL3255-0VA00-4BA1
SINAMICS V20, braking module 480V/230V	6SL3201-2AD20-8VA0
SINAMICS V20, RS485 terminators 50 pcs	6SL3255-0VC00-0HA0
SINAMICS memory card (SD)	6SL3054-4AG00-2AA0
SINAMICS V20, FSAA shield connection kit	6SL3266-1AR00-0VA0
SINAMICS V20, FSAB shield connection kit	6SL3266-1AR00-0VA0
SINAMICS V20, FSA shield connection kit	6SL3266-1AA00-0VA0
SINAMICS V20, FSB shield connection kit	6SL3266-1AB00-0VA0
SINAMICS V20, FSC shield connection kit	6SL3266-1AC00-0VA0
SINAMICS V20, FSD shield connection kit	6SL3266-1AD00-0VA0
SINAMICS V20, FSE shield connection kit	6SL3266-1AE00-0VA0
Spare Parts	
SINAMICS V20, FSA replacement fan	6SL3200-0UF01-0AA0
SINAMICS V20, FSB replacement fan	6SL3200-0UF02-0AA0
SINAMICS V20, FSC replacement fan	6SL3200-0UF03-0AA0
SINAMICS V20, FSD replacement fan	6SL3200-0UF04-0AA0
SINAMICS V20, FSE replacement fan	6SL3200-0UF05-0AA0

¹Rated power based on the continuous output current with no overload (NO). ²The rated output current is based on the continuous output current. ³The rated power is based on the rated output for high overload (HO). ⁴The rated output current is based on the loading for high overload (HO).

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