

MICROMASTER 430

Options

Variant dependent options

Selection and ordering data

The options listed here (filters, chokes, gland plates, fuses and circuit-breakers) must be selected to match the inverter.

The inverter and the associated options have the same voltage ratings. Alternatively fuses and circuit-breakers can be

provided. Both provide short circuit protection of the inverter supply line and the inverter. A semiconductor protection of

the inverter with the suggested 3NA... fuses and the 3RV.../3VL... circuit-breakers is not envisaged.

Mains voltage	Output kW	hp	Inverter without filter	Order No. of the options		
				EMC filter, Class A	EMC filter, Class B	Line commutating choke
3 AC 380 V to 480 V	7.5	10	6SE6430-2UD27-5CA0	–	–	6SE6400-3CC02-2CD3
	11.0	15	6SE6430-2UD31-1CA0	–	–	
	15.0	20	6SE6430-2UD31-5CA0	–	–	6SE6400-3CC03-5CD3
	18.5	25	6SE6430-2UD31-8DA0	–	EMC filter, Class B, available from Schaffner	6SE6400-3CC04-4DD0
	22	30	6SE6430-2UD32-2DA0	–		
	30	40	6SE6430-2UD33-0DA0	–		6SE6400-3CC05-2DD0
	37	50	6SE6430-2UD33-7EA0	–		6SE6400-3CC08-3ED0
	45	60	6SE6430-2UD34-5EA0	–		
	55	75	6SE6430-2UD35-5FA0	–		6SE6400-3CC11-2FD0
	75	100	6SE6430-2UD37-5FA0	–		
	90	120	6SE6430-2UD38-8FA0	–		6SE6400-3CC11-7FD0
	110	150	6SE6430-2UD41-1FA0	6SL3000-0BE32-5AA0 *)	–	6SL3000-0CE32-3AA0
	132	200	6SE6430-2UD41-3FA0	6SL3000-0BE34-4AA0 *)	–	6SL3000-0CE32-8AA0
	160	250	6SE6430-2UD41-6GA0		–	6SL3000-0CE33-3AA0
	200	300	6SE6430-2UD42-0GA0		–	6SL3000-0CE35-1AA0
	250	350	6SE6430-2UD42-5GA0	6SL3000-0BE36-0AA0 *)	–	

*) Must be used in combination with a line commutating choke.

Mains voltage	Output kW	hp	Inverter without filter	Order No. of the options LC/sinusoidal filter	Output choke	Gland plate
3 AC 380 V to 480 V	7.5	10	6SE6430-2UD27-5CA0	6SE6400-3TD03-2CD0	6SE6400-3TC03-2CD3	6SE6400-0GP00-0CA0
	11.0	15	6SE6430-2UD31-1CA0			
	15.0	20	6SE6430-2UD31-5CA0			
	18.5	25	6SE6430-2UD31-8DA0	6SE6400-3TD03-7DD0	6SE6400-3TC05-4DD0	Integrated as standard for shield connection of the control cable and the power cable.
	22	30	6SE6430-2UD32-2DA0	6SE6400-3TD04-8DD0	6SE6400-3TC03-8DD0	
	30	40	6SE6430-2UD33-0DA0	6SE6400-3TD06-1DD0	6SE6400-3TC05-4DD0	
	37	50	6SE6430-2UD33-7EA0	6SE6400-3TD07-2ED0	6SE6400-3TC08-0ED0	
	45	60	6SE6430-2UD34-5EA0	6SE6400-3TD11-5FD0	6SE6400-3TC07-5ED0	
	55	75	6SE6430-2UD35-5FA0		6SE6400-3TC14-5FD0	Integrated as standard for shield connection of the control cable. The shield of the power cable has to be connected externally (e.g. in the control cabinet).
	75	100	6SE6430-2UD37-5FA0	6SE6400-3TD15-0FD0	6SE6400-3TC15-4FD0	
	90	120	6SE6430-2UD38-8FA0	6SE6400-3TD18-0FD0	6SE6400-3TC14-5FD0	
	110	150	6SE6430-2UD41-1FA0	6SL3000-2CE32-3AA0	6SL3000-2BE32-1AA0	
	132	200	6SE6430-2UD41-3FA0		6SL3000-2BE32-6AA0	
	160	250	6SE6430-2UD41-6GA0	6SL3000-2CE32-8AA0	6SL3000-2BE33-2AA0	
	200	300	6SE6430-2UD42-0GA0	6SL3000-2CE33-3AA0	6SL3000-2BE33-8AA0	
	250	350	6SE6430-2UD42-5GA0	6SL3000-2CE34-1AA0	6SL3000-2BE35-0AA0	

Mains voltage	Output kW	hp	Inverter without filter	Order No. of the options		Circuit-breaker
				Fuses (see Catalog LV 1 -)		(see Catalog LV 10)
3 AC 380 V to 480 V	7.5	10	6SE6430-2UD27-5CA0	3NA3807	3NE1 (3A) (see page 2)	3RV1031-4EA10
	11.0	15	6SE6430-2UD31-1CA0	3NA3812		3RV1031-4FA10
	15.0	20	6SE6430-2UD31-5CA0	3NA3814		3RV1031-4HA10
	18.5	25	6SE6430-2UD31-8DA0	3NA3820	3NE1817-0	3RV1042-4KA10
	22	30	6SE6430-2UD32-2DA0	3NA3822	3NE1818-0	
	30	40	6SE6430-2UD33-0DA0	3NA3824	3NE1820-0	3RV1042-4MA10
	37	50	6SE6430-2UD33-7EA0	3NA3830	3NE1021-0	3VL1712-. DD33-....
	45	60	6SE6430-2UD34-5EA0	3NA3832	3NE1022-0	3VL1716-. DD33-....
	55	75	6SE6430-2UD35-5FA0	3NA3836	3NE1224-0	3VL3720-. DC36-....
	75	100	6SE6430-2UD37-5FA0	3NA3140	3NE1225-0	3VL3725-. DC36-....
	90	120	6SE6430-2UD38-8FA0	3NA3144	3NE1227-0	
	110	150	6SE6430-2UD41-1FA0	–		3VL4731-. DC36-....
	132	200	6SE6430-2UD41-3FA0	–	3NE1230-0	
	160	250	6SE6430-2UD41-6GA0	–	3NE1332-0	
	200	300	6SE6430-2UD42-0GA0	–	3NE1333-0	3VL4740-. DC36-....
	250	350	6SE6430-2UD42-5GA0	–	3NE1435-0	3VL5750-. DC36-....

Selection and ordering data (continued)

All options are certified to , except fuses. The 3NE1 fuses are -listed (equivalent to ).

The fuses of type 3NA3 as well as circuit-breakers of type 3RV/3VL are recommended for Europe.

Additional information on the listed fuses and circuit-breakers can be found in Catalogs LV 10 and IC 10.

● Use in America requires -listed fuses Class J.

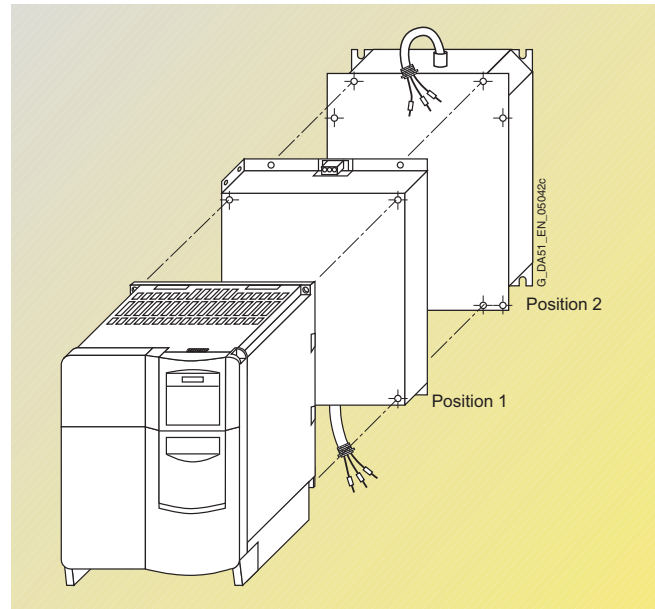
Mains voltage	Output		Inverter with internal filter Class A	Order No. of the options		
	kW	hp		Additional EMC filter, Class B	Line commutating choke	LC filter
3 AC 380 V to 480 V	7.5	10	6SE6430-2AD27-5CA0	6SE6400-2FS03-8CD0	6SE6400-3CC02-2CD3	6SE6400-3TD03-2CD0
	11.0	15	6SE6430-2AD31-1CA0			
	15.0	20	6SE6430-2AD31-5CA0		6SE6400-3CC03-5CD3	
	18.5	25	6SE6430-2AD31-8DA0	An inverter without filter must be selected to satisfy the EMC requirements of Class B. In addition, an appropriate EMC filter of Class B is from Schaffner is required.	6SE6400-3CC04-4DD0	6SE6400-3TD03-7DD0
	22	30	6SE6430-2AD32-2DA0			6SE6400-3TD04-8DD0
	30	40	6SE6430-2AD33-0DA0		6SE6400-3CC05-2DD0	6SE6400-3TD06-1DD0
	37	50	6SE6430-2AD33-7EA0		6SE6400-3CC08-3ED0	6SE6400-3TD07-2ED0
	45	60	6SE6430-2AD34-5EA0			6SE6400-3TD11-5FD0
	55	75	6SE6430-2AD35-5FA0		6SE6400-3CC11-2FD0	
	75	100	6SE6430-2AD37-5FA0			6SE6400-3TD15-0FD0
	90	120	6SE6430-2AD38-8FA0		6SE6400-3CC11-7FD0	6SE6400-3TD18-0FD0

Mains voltage	Output		Inverter with internal filter Class A	Order No. of the options	
	kW	hp		Output choke	Gland plate
3 AC 380 V to 480 V	7.5	10	6SE6430-2AD27-5CA0	6SE6400-3TC03-2CD3	6SE6400-0GP00-0CA0
	11.0	15	6SE6430-2AD31-1CA0		
	15.0	20	6SE6430-2AD31-5CA0		
	18.5	25	6SE6430-2AD31-8DA0	6SE6400-3TC05-4DD0	Integrated as standard for shield connection of the control cable and the power cable.
	22	30	6SE6430-2AD32-2DA0	6SE6400-3TC03-8DD0	
	30	40	6SE6430-2AD33-0DA0	6SE6400-3TC05-4DD0	
	37	50	6SE6430-2AD33-7EA0	6SE6400-3TC08-0ED0	
	45	60	6SE6430-2AD34-5EA0	6SE6400-3TC07-5ED0	
	55	75	6SE6430-2AD35-5FA0	6SE6400-3TC14-5FD0	
	75	100	6SE6430-2AD37-5FA0	6SE6400-3TC15-4FD0	
	90	120	6SE6430-2AD38-8FA0	6SE6400-3TC14-5FD0	

Mains voltage	Output		Inverter with internal filter Class A	Order No. of the options		Circuit-breaker (see Catalog IC 10/LV 10)
	kW	hp		Fuses (see Catalog LV 10) 3NA3	3NE1 ()	
3 AC 380 V to 480 V	7.5	10	6SE6430-2AD27-5CA0	3NA3807	●	3RV1031-4EA10
	11.0	15	6SE6430-2AD31-1CA0	3NA3812		3RV1031-4FA10
	15.0	20	6SE6430-2AD31-5CA0	3NA3814		3RV1031-4HA10
	18.5	25	6SE6430-2AD31-8DA0	3NA3820	3NE1817-0	3RV1042-4KA10
	22	30	6SE6430-2AD32-2DA0	3NA3822	3NE1818-0	
	30	40	6SE6430-2AD33-0DA0	3NA3824	3NE1820-0	3RV1042-4MA10
	37	50	6SE6430-2AD33-7EA0	3NA3830	3NE1021-0	3VL1712-.DD33-....
	45	60	6SE6430-2AD34-5EA0	3NA3832	3NE1022-0	3VL1716-.DD33-....
	55	75	6SE6430-2AD35-5FA0	3NA3836	3NE1224-0	3VL3720-.DC36-....
	75	100	6SE6430-2AD37-5FA0	3NA3140	3NE1225-0	3VL3725-.DC36-....
	90	120	6SE6430-2AD38-8FA0	3NA3144	3NE1227-0	

Design**General installation instructions**

- A maximum of two footprint components plus inverter are permissible.
- If an LC filter is used, it must be mounted directly on the wall of the control cabinet due to weight reasons. If an LC filter of frame size C is used, therefore, only one footprint component is permissible. If a line choke and LC filter are used, the line choke must be located on the left of the inverter. Required distance between line choke and inverter: 75 mm.
- The EMC filter must be mounted directly below the frequency inverter if possible.
- If mounted on the side, the line-side components are to be mounted to the left of the frequency inverter whereas the output-side components are to be mounted to the right of the frequency inverter.



Example of installation with frequency inverter, EMC filter (position 1) and line choke (position 2)

Availability of the options as footprint components

	Frame size						
	C	D	E	F	G	FX	GX
Line commutating choke	✓	✓	✓				
EMC filter	✓						
LC filter	✓						
Output choke	✓						

Recommended combinations of inverters and options

Frequency inverter Frame size	Footprint		Mounted on side	
	Position 1	Position 2	To the left of the inverter (for line-side components)	To the right of the inverter (for output-side components)
C	EMC filter	Line commutating choke	–	Output choke
	EMC filter <u>or</u> Line commutating choke	Output choke	–	–
	LC filter	–	EMC filter <u>and/or</u> Line commutating choke	–
D and E	Line commutating choke	–	EMC filter	Output choke <u>or</u> LC filter
F, G, FX and GX	–	–	EMC filter <u>and/or</u> Line commutating choke	Output choke <u>or</u> LC filter