

Frequency inverters



Title	Article No.
ACS380-042S-01A8-4 Pn: 0,55kW, In: 1,8A IP20	ZAKDKA001
ACS380-042S-02A6-4 Pn: 0,75kW, In: 2,6A IP20	ZAKDKA002
ACS380-042S-03A3-4 Pn: 1,1kW, In: 3,3A IP20	ZAKDKA003
ACS380-042S-04A0-4 Pn: 1,5kW, In: 4,0A IP20	ZAKDKA004
ACS380-042S-05A6-4 Pn: 2,2kW, In: 5,6A IP20	ZAKDKA005
ACS380-042S-07A2-4 Pn: 3kW, In: 7,2A IP20	ZAKDKA006
ACS380-042S-09A4-4 Pn: 4kW, In: 9,4A IP20	ZAKDKA007
ACS380-042S-12A6-4 Pn: 5,5kW, In: 12,6A IP20	ZAKDKA008
ACS380-042S-17A0-4 Pn: 7,5kW, In: 17,0A IP20	ZAKDKA009
ACS380-042S-25A0-4 Pn: 11kW, In: 25,0A IP20	ZAKDKA010

Frequency inverters are utilized for ventilators' speed control. They are compact in size, easy to use and have good compatibility with other devices. The energy optimizer feature ensures maximum torque per ampere, reducing energy drawn from the supply. The drive fulfils the highest IE2 drive (EN 50598-2) energy efficiency class and is compatible with high-efficiency IE4 motors, further reducing total life cycle costs.

Functions:

- EMC filter.
- Ground-fault protection during running.
- Analog control from 0V to 10V.
- Built-in PID control.
- Built-in 485 communication.

Technical data

Type	ACS380-042S-01A8-4	ACS380-042S-02A6-4	ACS380-042S-03A3-4	ACS380-042S-04A0-4	ACS380-042S-05A6-4	ACS380-042S-07A2-4
Power Rating, kW	0,55	0,75	1,1	1,5	2,2	3
Supply Voltage, V	3~ 380 to 480 V, +10%/-15%					
Supply frequency, Hz	47 - 63Hz					
Output voltage, V	3~ 400V AC					
Output current, A	1,8	2,6	3,3	4,0	5,6	7,2
Output frequency, Hz	0 - 599Hz, 0.01Hz resolution					
Internal EMC Filter	Yes	Yes	Yes	Yes	Yes	Yes
Ambient temperature (operating)	-10 to 50°C					
Ambient humidity	5...95% Max, non condensing					
Ingress Protection	IP20					
Communication	Modbus RTU					
Internal Brake Transistor	No	No	No	No	No	No

Technical data

Type	ACS380-042S-09A4-4	ACS380-042S-12A6-4	ACS380-042S-17A0-4	ACS380-042S-25A0-4
Power Rating, kW	4	5,5	7,5	11
Supply Voltage, V	3~ 380 to 480 V, +10%/-15%			
Supply frequency, Hz	47 - 63Hz			
Output voltage, V	3~ 400V AC			
Output current, A	9,4	12,6	17,0	25,0
Output frequency, Hz	0 - 599Hz, 0.01Hz resolution			
Internal EMC Filter	Yes	Yes	Yes	Yes
Ambient temperature (operating)	-10 to 50°C			
Ambient humidity	5...95% Max, non condensing			
Ingress Protection	IP20			
Communication	Modbus RTU			
Internal Brake Transistor	No	No	No	No