

ACS 180 Series 0.25 - 22kW

The ACS180 is an all-compatible ABB machinery drive ideal for compact machines. This cost-effective and compact drive is optimized for machine builders requiring ease of use and reliable machine performance.

The ACS180 machinery drive is equipped with built-in features that simplify ordering and delivery, and reduce commissioning costs, since everything is provided in a single, compact and ready-to-use package. ACS180 drives improve process performance, increase productivity, reduce external components, and ensure machine and personnel safety.

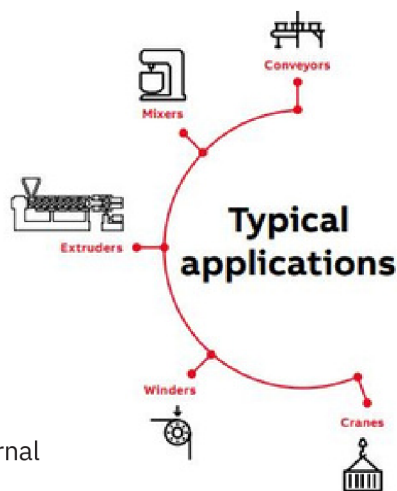
FEATURES

- Mobile application for wireless access
- Drive commissioning and adaptable use with your control panel
- Power range 0.25 kW up to 22 kW
- Voltage range 200 V up to 480 V
- Essential features for speed-controlled applications
- Vector control for induction and permanent magnet motors
- Easy to connect to automation system with Modbus RTU
- Adaptive programming allows customization of drive functionality
- Reduced energy consumption and CO₂ emissions

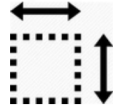


BENEFITS

- Excellent performance and quality
- All essential machinery application features embedded
- Built-in EMT filters and STO
- Save money in cabinet size and cost due to the need for an external EMC filter or contactor
- Heavy and Light-duty use are rated in one drive



DIMENSIONS & WEIGHTS



DIMENSIONS & WEIGHTS - (IP20 /UL OPEN TYPE)

Frame Size	Width in.	Height 1 in.	Height 2 in.	Depth in.	Weight lbs.
R0	2.8	6.9	8.2	5.6	2
R1	2.8	7.5	8.7	5.6	2.9
R2	4.7	8	9.1	5.6	4.2
R3	6.7	8.1	9.5	6.9	7.3
R4	10.2	8.1	9.5	7	11.7



GENERAL MACHINERY DRIVES

MOTOR CONTROL- AC DRIVES



LIGHT-DUTY APPLICATIONS

1-PHASE / 200-240 V

HEAVY-DUTY APPLICATIONS

Max Output Current	Catalog #	A	kW	Frame Size	Catalog #	A	kW	Frame Size
3.2	ACS180-04S-02A4-1	2.3	0.37	R0	ACS180-04S-02A4-1	1.8	0.25	R0
4.3	ACS180-04S-03A7-1	3.5	0.55	R0	ACS180-04S-03A7-1	2.4	0.37	R0
6.7	ACS180-04S-04A8-1	4.6	0.75	R0	ACS180-04S-04A8-1	3.7	0.55	R0
8.1	ACS180-04S-06A9-1	6.6	1.1	R1	ACS180-04S-06A9-1	4.5	0.75	R1
11.9	ACS180-04S-07A8-1	7.4	1.5	R1	ACS180-04S-07A8-1	6.6	1.1	R1
13.3	ACS180-04S-09A8-1	9.3	2.2	R1	ACS180-04S-09A8-1	7.4	1.5	R1
17.6	ACS180-04S-12A2-1	11.6	3.0	R2	ACS180-04S-12A2-1	9.8	2.2	R2

LIGHT-DUTY APPLICATIONS

3-PHASE / 200-240 V

HEAVY-DUTY APPLICATIONS

Catalog #	A	kW	Frame Size	Catalog #	A	kW	Frame Size	Max Current
ACS180-04S-02A4-2	2.3	0.37	R0	ACS180-04S-02A4-2	1.8	0.25	R0	3.2
ACS180-04S-03A7-2	3.5	0.55	R0	ACS180-04S-03A7-2	2.4	0.37	R0	4.3
ACS180-04S-04A8-2	4.6	0.75	R0	ACS180-04S-04A8-2	3.7	0.55	R0	6.7
ACS180-04S-06A9-2	6.6	1.1	R1	ACS180-04S-06A9-2	4.5	0.75	R1	8.1
ACS180-04S-07A8-2	7.4	1.5	R1	ACS180-04S-07A8-2	6.6	1.1	R1	11.9
ACS180-04S-09A8-2	9.3	2.2	R1	ACS180-04S-09A8-2	7.4	1.5	R1	13.3
ACS180-04S-12A2-2	14.6	3.0	R2	ACS180-04S-12A2-2	10.7	2.2	R2	19.3
ACS180-04S-17A5-2	16.7	4.0	R2	ACS180-04S-17A5-2	12.2	3.0	R2	22
ACS180-04S-25A0-2	24.2	5.5	R3	ACS180-04S-25A0-2	17.5	4.0	R3	31.5
ACS180-04S-032A-2	30.8	7.5	R3	ACS180-04S-032A-2	25.0	5.5	R3	45
ACS180-04S-048A-2	46.2	11.0	R4	ACS180-04S-048A-2	32.0	7.5	R4	57.6
ACS180-04S-055A-2	50.2	11.0	R4	ACS180-04S-055A-2	46.2	11.0	R4	86.4

ACS180, 0.25 TO 22kW

LIGHT-DUTY APPLICATIONS

3-PHASE / 380-480 V

HEAVY-DUTY APPLICATIONS

Catalog #	A	kW	Frame Size
ACS180-04S-01A8-4	1.7	0.55	R0
ACS180-04S-02A6-4	2.5	0.75	R0
ACS180-04S-03A3-4	3.1	1.1	R0
ACS180-04S-04A0-4	3.8	1.5	R1
ACS180-04S-05A6-4	5.3	2.2	R1
ACS180-04S-07A2-4	6.8	3.0	R1
ACS180-04S-09A4-4	8.9	4.0	R1
ACS180-04S-12A6-4	12	5.5	R2
ACS180-04S-17A0-4	16.2	7.5	R2
ACS180-04S-25A0-4	23.8	11.0	R3
ACS180-04S-033A-4	30.5	15.0	R3
ACS180-04S-038A-4	36	18.5	R4
ACS180-04S-045A-4	42	22.0	R4
ACS180-04S-050A-4	48	22.0	R4

Catalog #	A	kW	Frame Size
ACS180-04S-01A8-4	1.2	0.37	R0
ACS180-04S-02A6-4	1.8	0.55	R0
ACS180-04S-03A3-4	2.4	0.75	R0
ACS180-04S-04A0-4	3.3	1.1	R1
ACS180-04S-05A6-4	4.0	1.5	R1
ACS180-04S-07A2-4	5.6	2.2	R1
ACS180-04S-09A4-4	7.2	3.0	R1
ACS180-04S-12A6-4	9.4	4.0	R2
ACS180-04S-17A0-4	12.6	5.5	R2
ACS180-04S-25A0-4	17.0	7.5	R3
ACS180-04S-033A-4	25.0	11.0	R3
ACS180-04S-038A-4	32.0	15.0	R4
ACS180-04S-045A-4	38.0	18.5	R4
ACS180-04S-050A-4	45.0	22.0	R4



Max Output Current:

ACS180-04S-01A8-4	2.2
ACS180-04S-02A6-4	3.2
ACS180-04S-03A3-4	4.3
ACS180-04S-04A0-4	5.9
ACS180-04S-05A6-4	7.2
ACS180-04S-07A2-4	10.1
ACS180-04S-09A4-4	13
ACS180-04S-12A6-4	16.9
ACS180-04S-17A0-4	22.7
ACS180-04S-25A0-4	30.6
ACS180-04S-033A-4	45
ACS180-04S-038A-4	57.6
ACS180-04S-045A-4	68.4
ACS180-04S-050A-4	81

