

ABB ACS180

In-stock program

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Exceptional motor control performance

Open-loop vector control for precise speed and torque throughout operation



Ease of Use

Quick and Easy setup with intuitive graphical user interface



Designed for maximum reliability

Assured durability in harsh conditions



STO safety function

Integrated SIL 3, PL e protection for enhanced machine safety

1-phase, Voltage (range 200 to 240 V)

Drive Size	Frame Size	Input current	Input with choke	Max current	Light-duty Use		Heavy-duty Use	
		I1	I1	I_{max}	ILd	PLd	IHd	PHd
		(A)	(A)	(A)	(A)	(hp)	(A)	(hp)
ACS180-04S-03A7-1	R0	6.6	4.8	4.3	3.5	0.75	2.4	0.5
ACS180-04S-04A8-1	R0	8.6	6.2	6.3	4.6	1	3.7	0.75
ACS180-04S-06A9-1	R1	12.1	9.2	8.1	6.6	1.5	4.5	1
ACS180-04S-07A8-1	R1	16.5	12	11.9	7.5	2	6.6	1.5
ACS180-04S-09A8-1	R1	20.7	17	13.5	9.8	3	7.5	2

3-phase, Voltage (range 200 to 240 V)

Drive Size	Frame Size	Input current	Input with choke	Max current	Light-duty Use		Heavy-duty Use	
		I1	I1	I_{max}	ILd	PLd	IHd	PHd
		(A)	(A)	(A)	(A)	(hp)	(A)	(hp)
ACS180-04S-04A8-2	R0	5.6	4.8	5.8	4.6	1	3.7	0.75
ACS180-04S-06A9-2	R1	7.7	6.9	8.3	6.6	1.5	4.6	1
ACS180-04S-07A8-2	R1	9	7.8	11.9	7.5	2	6.6	1.5
ACS180-04S-09A8-2	R1	10.6	9.8	13.3	9.6	3	7.5	2
ACS180-04S-15A6-2	R2	16	15.6	19.3	14.6	4	10.7	3
ACS180-04S-17A5-2	R2	20.3	17.5	26.3	16.7	5	12.2	4

3-phase, Voltage (range 380 to 480 V)

Drive Size	Frame Size	Input current	Input with choke	Max current	Light-duty Use		Heavy-duty Use	
		I1	I1	I_{max}	ILd	PLd	IHd	PHd
		(A)	(A)	(A)	(A)	(hp)	(A)	(hp)
ACS180-04S-03A3-4	R0	3.5	2.1	4.3	3	1.5	2.1	1
ACS180-04S-04A0-4	R1	4.6	2.8	5.9	3.5	2	3	1.5
ACS180-04S-05A6-4	R1	6.9	3.8	7.2	4.8	3	3.5	2
ACS180-04S-07A2-4	R1	9.2	5	10	6	3	4.8	3
ACS180-04S-09A4-4	R1	10.3	6.7	13	7.6	5	6.3	3
ACS180-04S-12A6-4	R2	14.8	11	16.9	11	7.5	7.6	5
ACS180-04S-17A0-4	R2	20.3	14	22.7	14	10	11	7.5

Dimensions - ACS180 IP20



Frame Size	Height 1 (mm)	Height 2 (mm)	Width (mm)	Depth (mm)	Weight (kg)
R0	174	209	70	143	0.92
R1	190	220	70	143	1.24
R2	202	230	120	143	1.92

Height 1 : Total height of the drive without grounding plate

Height 2: Total height of the drive with grounding plate