

ACS 380 Series 0.25 - 22kW

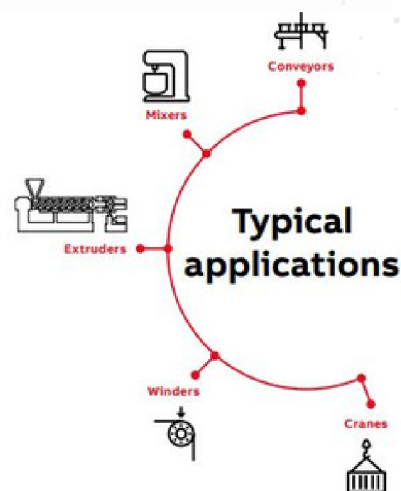
The first compact industrial drive available with a graphical, icon-based, control panel to simplify setup, operation, and data gathering, while removing language barriers for a drive/control interface. The ACS380 series achieves a new level of performance motor control with the ability to power AC induction, permanent magnet AC, and SynRM motors. The ACS380 is a compact machinery drive and a part of the ABB family of all-compatible drives. It is designed to meet the needs of demanding constant torque applications in the food and beverage, material handling, and compact machinery industry segments.

FEATURES

- Optimized cooling configuration
- Same height and depth across power range
- Integrated graphic icon-based control panel
- Adaptive programming with sequence programming
- Integrated EMC filter options
- Built-in brake chopper as standard
- Safe Torque Off function (SIL3) as standard
- Preconfigured connectivity for all major machine automation fieldbus protocols
- NEMA 1 conversion kit
- Cold Configuration Tool

BENEFITS

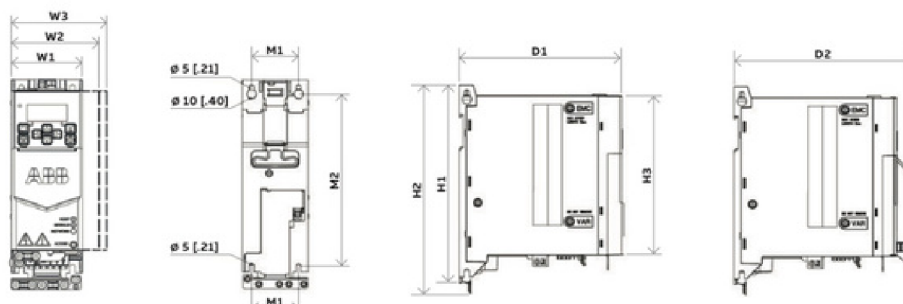
- Minimizes dust and dirt contamination
- Reduced design and installation time
- Reducing maintenance costs
- Low EMC emissions
- Cost and space savings for compact machines
- Saves time for OEM's programming multiple drives for production or to send out as machine replacements
- Reduces the need for external safety components
- Helps machine builders to fulfill the requirements of Machinery Directive 2006/42/EC



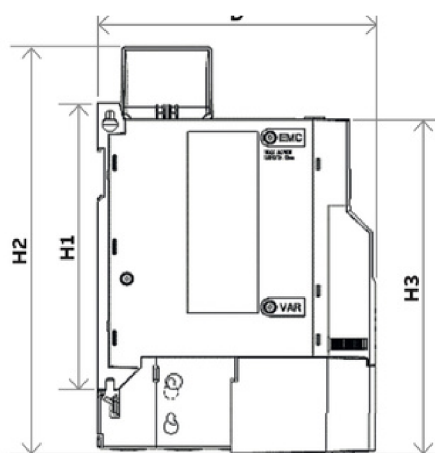
DIMENSIONS & WEIGHTS

DIMENSIONS & WEIGHTS - (IP20 /UL OPEN TYPE)

Frame Size	Width in.	Height in.	Depth in.	Weight lbs.
R0	2.8	8.8	6.9	3.1
R1	2.8	8.8	6.9	3.1
R2	3.8	8.8	6.9	4.41
R3	6.7	8.8	6.9	7.3
R4	10.2	9.5	7.1	11.7



DIMENSIONS & WEIGHTS - (Drive with UL type 1 kit)



Frame Size	Width in.	Height in.	Depth in.	Weight lbs.
R0	2.8	11.2	7.5	4
R1	2.8	11.5	7.5	4
R2	3.8	11.5	7.5	5.5
R3	6.7	13	7.5	8.8
R4	10.2	15.4	7.9	14.3





LIGHT-DUTY APPLICATIONS

1-PHASE / 200-240 V

HEAVY-DUTY APPLICATIONS

Catalog #	A	kW	Frame Size	Catalog #	A	kW	Frame Size
ACS380-040S-02A4-1	2.3	0.37	R0	ACS380-040S-02A4-1	1.8	0.25	R0
ACS380-040S-03A7-1	3.5	0.55	R0	ACS380-040S-03A7-1	2.4	0.37	R0
ACS380-040S-04A8-1	4.6	0.75	R1	ACS380-040S-04A8-1	3.7	0.55	R1
ACS380-040S-06A9-1	6.6	1.1	R1	ACS380-040S-06A9-1	4.8	0.75	R1
ACS380-040S-07A8-1	7.4	1.5	R1	ACS380-040S-07A8-1	6.9	1.1	R1
ACS380-040S-09A8-1	9.3	2.2	R2	ACS380-040S-09A8-1	7.8	1.5	R2
ACS380-040S-12A2-1	11.6	3.0	R2	ACS380-040S-12A2-1	9.8	2.2	R2

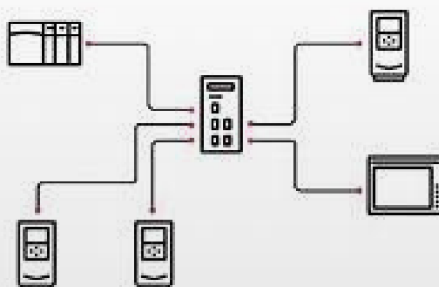
LIGHT-DUTY APPLICATIONS

3-PHASE / 200-240 V

HEAVY-DUTY APPLICATIONS

Catalog #	A	kW	Frame Size	Catalog #	A	kW	Frame Size
ACS380-040S-02A4-2	2.3	0.37	R0	ACS380-040S-02A4-2	1.8	0.25	R0
ACS380-040S-03A7-2	3.5	0.55	R0	ACS380-040S-03A7-2	2.4	0.37	R0
ACS380-040S-04A8-2	4.6	0.75	R1	ACS380-040S-04A8-2	3.7	0.55	R1
ACS380-040S-06A9-2	6.6	1.1	R1	ACS380-040S-06A9-2	4.8	0.75	R1
ACS380-040S-07A8-2	7.4	1.5	R1	ACS380-040S-07A8-2	6.9	1.1	R1
ACS380-040S-09A8-2	9.3	2.2	R2	ACS380-040S-09A8-2	7.8	1.5	R2
ACS380-040S-12A2-2	11.6	3.0	R2	ACS380-040S-12A2-2	9.8	2.2	R2
ACS380-040S-17A5-2	16.7	4.0	R3	ACS380-040S-17A5-2	12.2	3.0	R3
ACS380-040S-25A0-2	24.2	5.5	R3	ACS380-040S-25A0-2	17.5	4.0	R3
ACS380-040S-032A-2	30.8	7.5	R4	ACS380-040S-032A-2	25.0	5.5	R4
ACS380-040S-048A-2	46.2	11.0	R4	ACS380-040S-048A-2	32.0	7.5	R4
ACS380-040S-055A-2	52.8	15.0	R4	ACS380-040S-055A-2	48.0	11.0	R4

ACS380 machinery drive Compact connectivity



ACS380, 0.25 TO 22kW

LIGHT-DUTY APPLICATIONS

3-PHASE / 380-480 V

HEAVY-DUTY APPLICATIONS

Catalog #	A	kW	Frame Size
ACS380-040S-01A8-4	1.7	0.55	R0
ACS380-040S-02A6-4	2.5	0.75	R1
ACS380-040S-03A3-4	3.1	1.1	R1
ACS380-040S-04A0-4	3.8	1.5	R1
ACS380-040S-05A6-4	5.3	2.2	R1
ACS380-040S-07A2-4	6.8	3.0	R1
ACS380-040S-09A4-4	8.9	4.0	R1
ACS380-040S-12A6-4	12.0	5.5	R2
ACS380-040S-17A0-4	16.2	7.5	R3
ACS380-040S-25A0-4	23.8	11.0	R3
ACS380-040S-032A-4	30.5	15.0	R4
ACS380-040S-038A-4	36.0	18.5	R4
ACS380-040S-045A-4	42.8	22.0	R4
ACS380-040S-050A-4	48.0	22.0	R4

Catalog #	A	kW	Frame Size
ACS380-040S-01A8-4	1.2	0.37	R0
ACS380-040S-02A6-4	1.8	0.55	R1
ACS380-040S-03A3-4	2.6	0.75	R1
ACS380-040S-04A0-4	3.3	1.1	R1
ACS380-040S-05A6-4	4.0	1.5	R1
ACS380-040S-07A2-4	5.6	2.2	R1
ACS380-040S-09A4-4	7.2	3.0	R1
ACS380-040S-12A6-4	9.4	4.0	R2
ACS380-040S-17A0-4	12.6	5.5	R3
ACS380-040S-25A0-4	17.0	7.5	R3
ACS380-040S-032A-4	25.0	11.0	R4
ACS380-040S-038A-4	32.0	15.0	R4
ACS380-040S-045A-4	38.0	18.5	R4
ACS380-040S-050A-4	45.0	22.0	R4

