

ABB ACH580-01 and ACH580-31 HVAC drives type code list, 380–480 V

41 type codes for ABB ACH580 HVAC drives for 380–480 V three-phase supplies: ACH580-01 wall-mounted drives, 0.75 to 355 kW, and ACH580-31 ultra-low harmonic wall-mounted drives, 4 to 110 kW. ABB's basic ACH580-01 is IP21 (UL Type 1) with an ACH-AP-H Hand-Off-Auto control panel, choke, internal EMC C2 filter and Safe torque off, with a braking chopper in frames R1 to R3. The basic ACH580-31 is IP21 with an ACH-AP-H control panel, an integrated C2 EMC filter in all frames and Safe torque off. Options are added as plus codes, for example +B056 IP55 (UL Type 12); codes that start with 0, such as +0J400, mean the item is left out. Ratings at 400 V: nominal, light-duty and heavy-duty use as given by ABB. Ask us for availability, lead time and price for any type code below.

ACH580-01 wall-mounted drives, 3-phase UN = 400 V (380 to 415 V)

ORDER NUMBER	DESCRIPTION	
ACH580-01-02A7-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R1; 0.75 kW nominal and light-duty rating, 0.55 kW heavy-duty rating; I2 2.6 A	Request a Quote
ACH580-01-03A4-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R1; 1.1 kW nominal and light-duty rating, 0.75 kW heavy-duty rating; I2 3.3 A	Request a Quote
ACH580-01-04A1-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R1; 1.5 kW nominal and light-duty rating, 1.1 kW heavy-duty rating; I2 4.0 A	Request a Quote
ACH580-01-05A7-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R1; 2.2 kW nominal and light-duty rating, 1.5 kW heavy-duty rating; I2 5.6 A	Request a Quote
ACH580-01-07A3-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R1; 3.0 kW nominal and light-duty rating, 2.2 kW heavy-duty rating; I2 7.2 A	Request a Quote
ACH580-01-09A5-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R1; 4.0 kW nominal and light-duty rating, 3.0 kW heavy-duty rating; I2 9.4 A	Request a Quote
ACH580-01-12A7-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R1; 5.5 kW nominal and light-duty rating, 4.0 kW heavy-duty rating; I2 12.6 A	Request a Quote
ACH580-01-018A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R2; 7.5 kW nominal and light-duty rating, 5.5 kW heavy-duty rating; I2 17.0 A	Request a Quote
ACH580-01-026A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R2; 11.0 kW nominal and light-duty rating, 7.5 kW heavy-duty rating; I2 25.0 A	Request a Quote

ORDER NUMBER	DESCRIPTION	
ACH580-01-033A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R3; 15.0 kW nominal and light-duty rating, 11.0 kW heavy-duty rating; I2 32.0 A	Request a Quote
ACH580-01-039A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R3; 18.5 kW nominal and light-duty rating, 15.0 kW heavy-duty rating; I2 38.0 A	Request a Quote
ACH580-01-046A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R3; 22.0 kW nominal and light-duty rating, 18.5 kW heavy-duty rating; I2 45.0 A	Request a Quote
ACH580-01-062A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R4 or R4 v2; 30 kW nominal and light-duty rating, 22 kW heavy-duty rating; I2 62 A	Request a Quote
ACH580-01-073A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R4 or R4 v2; 37 kW nominal and light-duty rating, 30 kW heavy-duty rating; I2 73 A	Request a Quote
ACH580-01-088A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R5; 45 kW nominal and light-duty rating, 37 kW heavy-duty rating; I2 88 A	Request a Quote
ACH580-01-089A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R4 v2; 45 kW nominal and light-duty rating, 37 kW heavy-duty rating; I2 89 A	Request a Quote
ACH580-01-106A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R5 or R5 v2; 55 kW nominal and light-duty rating, 45 kW heavy-duty rating; I2 106 A	Request a Quote
ACH580-01-145A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R6; 75 kW nominal and light-duty rating, 55 kW heavy-duty rating; I2 145 A	Request a Quote
ACH580-01-169A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R7; 90 kW nominal and light-duty rating, 75 kW heavy-duty rating; I2 169 A	Request a Quote
ACH580-01-206A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R7; 110 kW nominal and light-duty rating, 90 kW heavy-duty rating; I2 206 A	Request a Quote
ACH580-01-246A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R8; 132 kW nominal and light-duty rating, 110 kW heavy-duty rating; I2 246 A	Request a Quote
ACH580-01-293A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R8; 160 kW nominal and light-duty rating, 132 kW heavy-duty rating; I2 293 A	Request a Quote
ACH580-01-363A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R9; 200 kW nominal and light-duty rating, 160 kW heavy-duty rating; I2 363 A	Request a Quote
ACH580-01-430A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R9; 250 kW nominal, 200 kW light-duty, 200 kW heavy-duty rating; I2 430 A	Request a Quote

ORDER NUMBER	DESCRIPTION	
ACH580-01-490A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R9; 250 kW nominal and light-duty rating, 200 kW heavy-duty rating; I2 490 A	Request a Quote
ACH580-01-595A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R9e; 315 kW nominal and light-duty rating, 250 kW heavy-duty rating; I2 595 A	Request a Quote
ACH580-01-670A-4	ACH580-01 wall-mounted HVAC drive, 3-phase 400 V (380–415 V), frame R9e; 355 kW nominal and light-duty rating, 315 kW heavy-duty rating; I2 670 A	Request a Quote

ACH580-31 ultra-low harmonic drives, 3-phase UN = 400 V

ORDER NUMBER	DESCRIPTION	
ACH580-31-09A5-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R3; 4.0 kW nominal and light-duty rating, 3.0 kW heavy-duty rating; I2 9.4 A	Request a Quote
ACH580-31-12A7-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R3; 5.5 kW nominal and light-duty rating, 4.0 kW heavy-duty rating; I2 12.6 A	Request a Quote
ACH580-31-018A-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R3; 7.5 kW nominal and light-duty rating, 5.5 kW heavy-duty rating; I2 17.0 A	Request a Quote
ACH580-31-026A-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R3; 11 kW nominal and light-duty rating, 7.5 kW heavy-duty rating; I2 25.0 A	Request a Quote
ACH580-31-033A-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R6; 15 kW nominal and light-duty rating, 11 kW heavy-duty rating; I2 32.0 A	Request a Quote
ACH580-31-039A-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R6; 18.5 kW nominal and light-duty rating, 15 kW heavy-duty rating; I2 38.0 A	Request a Quote
ACH580-31-046A-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R6; 22 kW nominal and light-duty rating, 18.5 kW heavy-duty rating; I2 45.0 A	Request a Quote
ACH580-31-062A-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R6; 30 kW nominal and light-duty rating, 22 kW heavy-duty rating; I2 62.0 A	Request a Quote
ACH580-31-073A-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R6; 37 kW nominal and light-duty rating, 30 kW heavy-duty rating; I2 73.0 A	Request a Quote
ACH580-31-088A-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R6; 45 kW nominal and light-duty rating, 37 kW heavy-duty rating; I2 88.0 A	Request a Quote
ACH580-31-106A-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R8; 55 kW nominal and light-duty rating, 45 kW heavy-duty rating; I2 106 A	Request a Quote

ORDER NUMBER	DESCRIPTION	
ACH580-31-145A-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R8; 75 kW nominal and light-duty rating, 55 kW heavy-duty rating; I2 145 A	Request a Quote
ACH580-31-169A-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R8; 90 kW nominal and light-duty rating, 75 kW heavy-duty rating; I2 169 A	Request a Quote
ACH580-31-206A-4	ACH580-31 ultra-low harmonic wall-mounted HVAC drive, 3-phase 400 V, frame R8; 110 kW nominal and light-duty rating, 90 kW heavy-duty rating; I2 206 A	Request a Quote

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