

Altivar Soft Starters

Altivar Variable Speed Drives

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Selection table for soft starters

When to use a soft starter?

- 1.Reduction of mechanical stress on the electro-motor and driven equipment
- 2.Startup Costs: reduce current peak at start (AC1 versus AC3)
- 3.Capabilities to ByPass the soft starter at full speed
- 4.Smooth engine starting for engine-connected equipment
- 5.Increased life of both electric and mechanical motors (bearings, etc.)
- 6.Possibility of working in Heavy duty for applications with high demands
7. Application where speed regulation is not required

How to choose a soft starter?

- 1.Current requirements: Make sure the soft starter can handle the current needed for the specific application.
- 2.Load type: Ventilation, pumping, hoisting, conveying, compressor, etc.
- 3.Installation environment: Consider environmental conditions such as temperature, humidity and the presence of dust or chemicals.
- 4.Communication interfaces: Check whether the soft starter needs to integrate with other systems via specific communication protocols.
- 5.Required Features: Identify specific features such as torque regulation, braking capabilities, remote control options, network, etc.
6. Number of motor starts required

Detailed comparison of models:



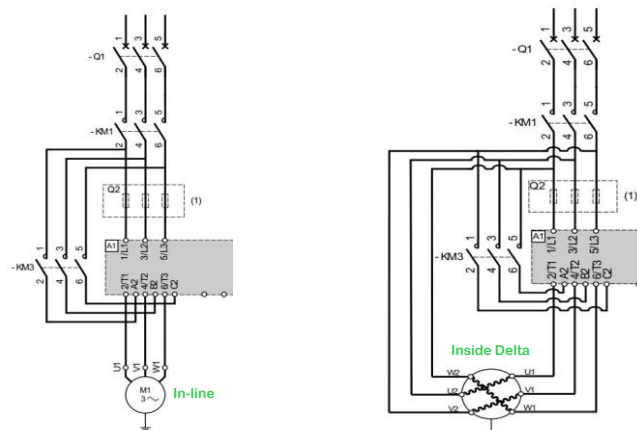
Model	Power	Typical applications	Specific features
ATS01	Low power	Light conveyors, pumps, fans	Cost-effective solution for simple applications, slow start and soft stop.
ATS130	Intermediate power	Machine tools, compressors	Extension of the ATS01 range, offers a wider power range and additional features (extended duty cycles, optional fan).
ATS430	High power	Industrial processes, infrastructures	Designed for demanding industrial applications, offering robust construction, advanced control, and comprehensive diagnostics.
ATS480	Very high power	Industrial processes, infrastructures	High-performance soft starter from Schneider Electric, ideal for demanding industrial applications, offering robust construction, sophisticated controls, and in-depth diagnostics.
ATS490	Very high power	Heavy industrial processes	Designed for the most demanding high-power industrial applications, delivering exceptional performance, advanced control features such as condition monitoring including the latest cybersecurity requirements update, and rugged construction for maximum reliability and availability

Typical applications:

Altivar soft starters are used in many industrial sectors:

- Manufacturing: Machine tools, conveyors, pumps, fans.
- Building: Escalators, automatic doors.
- Water and wastewater: Pumping stations, wastewater treatment.
- Energy: Power generation, electrical distribution.

Typical motor connections with soft starters: In-line versus Inside Delta (examples with external Bypass ATS480)



Selection table for variable speed drives

When to use a variable speed drive?

1. Energy savings: Use the process to its best as possible: Why run a 50Hz if 40Hz is enough?
2. Reduce process aging: Smooth start and stop, use the process at the right capacity (couple, speed, etc.)
3. Increased productivity: increase the quality of the process, avoid rubbish products (quality increase)
4. Startup Costs: avoid current peak at start (AC1 versus AC3)
5. Operational flexibility: Adaptability of the drive to adapt to variable loads
6. Industry 4.0 ready: The drive is able to deliver several motor data and alarm
7. When a speed regulation is required

How to choose a variable speed drive?

1. Current requirements: Make sure the drive can handle the current needed for the specific application.
2. Load type: Ventilation, pumping, hoisting, conveying, compressor, etc.
3. Motor type: Some drives are better suited to specific loads, such as induction motors or synchronous motors.
4. Installation environment: Consider environmental conditions such as temperature, humidity and the presence of dust or chemicals.
5. Communication interfaces: Check whether the drive needs to integrate with other systems via specific communication protocols.
6. Required Features: Identify specific features such as torque regulation, braking capabilities, remote control options, network, etc.

Detailed comparison of models:

		Machine			Process		HVAC	
		ATV12	ATV320	ATV340	ATV600	ATV900	ATH200	ATH600
Power supply ranges	Single-phase 100...120 V	✓						
	Single-phase 200...240 V	✓	✓				✓	
	Three-phase 200...240 V	✓	✓		✓	✓	✓	
	Three-phase: 380...440 V				✓	✓		
	Three-phase 380...480 V			✓	✓	✓		
	Three-phase 380...500 V		✓				✓	✓
	Three-phase 525...600 V		✓					
	Three-phase: 500...690 V				✓	✓	✓	
Power ranges	≤ 4 kW	✓	✓	✓	✓	✓	✓	✓
	≤ 22 kW		✓	✓	✓	✓	✓	✓
	≤ 90 kW			✓	✓	✓		✓
	> 90 kW				✓	✓		✓
Protection	IP00				✓	✓		✓
	IP20	✓	✓	✓	✓	✓	✓	✓
	IP21	✓			✓	✓		✓
	IP55				✓	✓		✓
	IP65		✓					
	IP66		✓					
Size	Compact	✓	✓ (-C)	✓	✓	✓	✓	✓
	Book		✓ (-B)					
	Floor mounting				✓ (-F)	✓ (-F)		
Integrated communication	Modbus serial	✓	✓	✓	✓	✓	✓	✓
	CAN Open		✓					
	Ethernet IP			✓ (-E)		✓		
	ModBus TCP			✓ (-E)	✓	✓		
	BACnet						✓	✓
Optional communication	DeviceNet			✓	✓	✓		
	Profibus DP		✓	✓	✓	✓		
	ModBus TCP		✓	(✓)	✓			✓
	CAN Open Daisy Chain		✓	✓	✓	✓		
	Ethernet IP		✓		✓			✓
	Profinet		✓	✓	✓			✓
	EtherCAT		✓	✓		✓		
	PowerLink		✓	✓		✓		
	BACnet				✓			
	BACnet/IP						✓	✓
Safety	STO		✓	✓	✓	✓	✓	✓
	SS1		✓	Optional		Optional		
	SLS		✓	Optional		Optional		
	SMS		✓	Optional		Optional		
	GDL		✓	Optional		Optional		
Application software embedded	ATV logic		✓				✓	
	Pump				✓		✓	✓
	Ventilator				✓		✓	✓
	Compressor				✓	✓		✓
	Hoisting			✓		✓		
	Machine	✓	✓	✓				
	HVAC						✓	✓
Display integrated	Ecostruxure Automation expert			✓	✓	✓		
	Digits	✓	✓				✓	
	Multi-line							IP21
Other functionalities	Graphical		Optional	Optional	✓	✓	Optional	IP55
	DC filter integrated			✓	✓	✓		✓
	Brake control		✓	✓		✓	✓	
	Disconnected switch		✓ (-W)		✓ (-E)	✓ (-E)		
SoMove		✓	✓	✓	✓	✓	✓	✓

Altivar ATS01 soft starters for 0.37 to 15 kW motors



ATS01 Soft Starters combine simplicity and efficiency providing an outstanding solution for your machines.

Altistart 01 soft starters for 0.37 to 11 kW/0.5 to 15 HP motors and single or 3-phase supply voltage 110...480 V 50/60 Hz						
Power for single-phase motor	Under 230 V (kW)	0.37	0.55	0.75	1.1	1.5
Power for 3-phase motor	Under 230 V (kW)	1.1	—	0.75	1.1	2.2
	Under 400 V (kW)			2.2	3	5.5
Nominal current I _{NL} (A)		3		6	9	12
Dimensions: W x D x H (mm)		22.5 x 100.4 x 100			45 x 130.7 x 124	
Reference		ATS01N103FT		ATS01N106FT		ATS01N109FT

Power for single-phase motor	Under 230 V (kW)	2.2
Power for 3-phase motor	Under 230 V (kW)	3
	Under 400 V (kW)	7.5
Nominal current I _{NL} (A)		25
Dimensions: W x D x H (mm)		45 x 130.7 x 124
Reference		ATS01N125FT

Altistart 01 soft start/soft stop units for 0.75 to 15 kW motors and 3-phase supply voltage 220...240 V 50/60 Hz					
Power in kW	0.75/1.1	1.5	2.2/3	4/5.5	7.5
Nominal current I _{NL} (A)	6	9	12	22	32
Dimensions: W x D x H (mm)	45 x 130.7 x 124			45 x 130.7 x 154	
Reference	ATS01N206LU	ATS01N209LU	ATS01N212LU	ATS01N222LU	ATS01N232LU

Altistart 01 soft start/soft stop units for 0.75 to 15 kW motors and 3-phase supply voltage 380...415 V 50/60 Hz					
Power in kW	1.5/2.2/3	4	5.5	7.5/11	15
Nominal current I _{NL} (A)	6	9	12	22	32
Dimensions: W x D x H (mm)	45 x 130.7 x 124			45 x 130.7 x 154	
Reference	ATS01N206QN	ATS01N209QN	ATS01N212QN	ATS01N222QN	ATS01N232QN

Download the Altivar Soft Starters ATS01 variable speed drive catalog for more information and options:



Altivar ATS130 soft starters for 11 to 55 kW motors



A simple and compact soft starter that extends ATS01 power range while delivering new benefits such as increased mechanical and electrical flexibility, increased operational efficiency, and optimized Motor Management with ATS130 Soft Motor Starter solution

Altistart ATS130 for 11 to 55 kW motors - 3-phase power supply 200...480 V 50/60 Hz - control supply 24 VDC						
Power in kW	230 V (kW)	11	11	18.5	22	30
	400 V (kW)	18.5	22	30	37	55
	440 V (kW)	22	22	37	45	55
Nominal current I _{NL} (A)		38	45	65	73	105
Dimensions: W x D x H (mm)		55 x 166 x 165	55 x 166 x 165	55 x 166 x 165	55 x 166 x 165	81 x 197 x 180
Reference		ATS130N2D38LT	ATS130N2D45LT	ATS130N2D65LT	ATS130N2D73LT	ATS130N2C11LT

Download the Altivar Soft Starters ATS130 variable speed drive catalog for more information and options:



Altivar ATS430 soft starters for 4 to 400 kW motors



Altivar Soft Starter ATS430 is designed with high durability, effectiveness, and sustainability in mind. ATS430 provides best-in-class motor control, reliable operation, and simplicity while reducing the overall cost of the equipment. This range of soft starters also integrates the essentials for the future such as cybersecurity best practices and condition monitoring systems.

Altivar ATS430 soft starters for asynchronous motors for 4 to 400 kW for 3 phase power supply 208 ... 600 V: ATS430 in-line (Inside delta not allowed)								
Motor power i 230V ND	4	7.5	11	15	18.5	22	30	37
400V ND	7.5	15	22	30	37	45	55	75
440V ND	7.5	15	22	30	37	45	55	75
500V ND	9	18.5	30	37	45	55	75	90
525V ND	9	18.5	30	37	45	55	75	90
Nominal current I _n L (A)	17	32	47	62	75	88	110	140
Dimensions: W x D x H (mm)	130 x 273 x 169	130 x 273 x 169	130 x 273 x 194	160 x 283 x 230	160 x 283 x 230	160 x 289 x 230	160 x 289 x 230	160 x 356 x 231
Reference	ATS430D17S6	ATS430D32S6	ATS430D47S6	ATS430D62S6	ATS430D75S6	ATS430D88S6	ATS430C11S6	ATS430C14S6

Motor power i 230V ND	45	55	75	90	110	132	160
400V ND	90	110	132	160	220	250	315
440V ND	90	110	132	160	220	250	355
500V ND	110	132	160	220	250	315	400
525V ND	110	132	160	220	250	315	400
Nominal current I _n L (A)	170	210	250	320	410	480	590
Dimensions: W x D x H (mm)	160 x 356 x 231	206 x 443 x 261	206 x 443 x 261	206 x 443 x 261	206 x 443 x 261	304 x 455 x 296	304 x 455 x 296
Reference	ATS430C17S6	ATS430C21S6	ATS430C25S6	ATS430C32S6	ATS430C41S6	ATS430C48S6	ATS430C59S6

ND: Normal Duty (standard motor current overload); HD: Heavy Duty (high motor current overload demand)

Download the Altivar Soft Starters ATS430 variable speed drive catalog for more information and options:



Altivar ATS480 soft starters for 4 to 900 kW motors



The Altivar™ Soft Starter ATS480 is the next evolution of soft starters for digitization optimized to meet cybersecurity standard. Designed to address process and infrastructures, ATS480 simplifies project execution and maximizes the availability of your applications, even in the most demanding environments. ATS480 builds on the proven robustness and start/stop performance extending the lifetime of the ATS48 equipment and preserving your initial investment by reusing current design.

Altivar ATS480 soft starters for asynchronous motors for 4 to 900 kW, 3 phase power supply 208 ... 690 V: ATS480

Motor power in kW, in- line	230V ND	4	5.5	7.5	9	11	15	18.5
	230V HD	3	4	5.5	7.5	9	11	15
	400V ND	7.5	11	15	18.5	22	30	37
	400V HD	5.5	7.5	11	15	18.5	22	30
Motor power in kW, inside delta	230 V ND	7.5	9	15	18.5	22	30	37
	230 V HD	5.5	7.5	9	15	18.5	22	30
	400 V ND	15	18.5	22	30	45	55	55
	400 V HD	11	15	18.5	22	30	45	55
Nominal current I _{cL} (A ND)		17	22	32	38	47	62	75
	HD	12	17	22	32	38	47	62
Dimensions: W x D x H (mm)		160 x 275 x 203	160 x 275 x 203	160 x 275 x 203	160 x 275 x 203	160 x 275 x 203	190 x 290 x 247	190 x 290 x 247
Reference		ATS480D17Y	ATS480D22Y	ATS480D32Y	ATS480D38Y	ATS480D47Y	ATS480D62Y	ATS480D75Y

Motor power in kW, in- line	230V ND	22	30	37	45	55	75	90
	230V HD	18.5	22	30	37	45	55	75
	400V ND	45	55	75	90	110	132	160
	400V HD	37	45	55	75	90	110	132
Motor power in kW, inside delta	230 V ND	45	55	75	90	110	132	160
	230 V HD	37	45	55	75	90	110	132
	400 V ND	75	90	110	132	160	220	250
	400 V HD	55	75	90	110	132	160	220
Nominal current I _{cL} (A ND)		88	110	140	170	210	250	320
	HD	75	88	110	140	170	210	250
Dimensions: W x D x H (mm)		190 x 290 x 247	190 x 290 x 247	200 x 340 x 272	200 x 340 x 272	320 x 380 x 277	320 x 380 x 277	320 x 380 x 277
Reference		ATS480D88Y	ATS480C11Y	ATS480C14Y	ATS480C17Y	ATS480C21Y	ATS480C25Y	ATS480C32Y

Motor power in kW, in- line	230V ND	110	132	160	–	220	250	355
	230V HD	90	110	132	160	–	220	250
	400V ND	220	250	315	355	400	500	630
	400V HD	160	220	250	315	355	400	500
Motor power in kW, inside delta	230 V ND	220	250	–	315	355	–	500
	230 V HD	160	220	250	–	315	355	–
	400 V ND	315	355	400	500	630	710	–
	400 V HD	250	315	355	400	500	630	710
Nominal current I _{cL} (A ND)		410	480	590	660	790	1000	1200
	HD	320	410	480	590	660	790	1045
Dimensions: W x D x H (mm)		400 x 670 x 314	400 x 670 x 314	400 x 670 x 314	400 x 670 x 314	770 x 890 x 329	770 x 890 x 329	770 x 890 x 329
Reference		ATS480C41Y	ATS480C48Y	ATS480C59Y	ATS480C66Y	ATS480C79Y	ATS480M10Y	ATS480M12Y

ND: Normal Duty (standard motor current overload); HD: Heavy Duty (high motor current overload demand)

Download the Altivar Soft Starters ATS480 variable speed drive catalog for more information and options:



Altivar ATS490 soft starters for 4 to 900 kW motors



Altivar Soft Starter ATS490 is a comprehensive range of soft starters with high durability performance providing advanced motor management including a holistic vision for energy and asset management. The built-in and innovative features such as an integrated condition monitoring system, certified cybersecurity, certified Safe Torque Off, bypass relays and Torque control optimize the equipment from design to operation

Altivar ATS490 soft starters for asynchronous motors for 4 to 900 kW for 3 phase power supply 208 ... 690 V: ATS490

Motor power in kW, in- 230V ND	4	5.5	7.5	9	11	15	18.5
line 230V HD	3	4	5.5	7.5	9	11	15
400V ND	7.5	11	15	18.5	22	30	37
400V HD	5.5	7.5	11	15	18.5	22	30
Motor power in kW, inside delta	7.5	9	15	18.5	22	30	37
230V ND	5.5	7.5	9	15	18.5	22	30
230V HD	15	18.5	22	30	45	55	55
400V ND	11	15	18.5	22	30	45	55
400V HD	17	22	32	38	47	62	75
Nominal current I _{NL} (A ND	12	17	22	32	38	47	62
HD							
Dimensions: W x D x H (mm)	160 x 283 x 185	160 x 283 x 185	160 x 289 x 234	160 x 289 x 234	160 x 289 x 234	160 x 289 x 234	160 x 289 x 234
Reference	ATS490D17Y	ATS490D22Y	ATS490D32Y	ATS490D38Y	ATS490D47Y	ATS490D62Y	ATS490D75Y

Motor power in kW, in- 230V ND	22	30	37	45	55	75	90
line 230V HD	18.5	22	30	37	45	55	75
400V ND	45	55	75	90	110	132	160
400V HD	37	45	55	75	90	110	132
Motor power in kW, inside delta	45	55	75	90	110	132	160
230V ND	37	45	55	75	90	110	132
230V HD	75	90	110	132	160	220	250
400V ND	55	75	90	110	132	160	220
400V HD	88	110	140	170	210	250	320
Nominal current I _{NL} (A ND	75	88	110	140	170	210	250
HD							
Dimensions: W x D x H (mm)	160 x 289 x 234	160 x 289 x 234	160 x 356 x 235	160 x 356 x 235	206 x 443 x 265	206 x 443 x 265	206 x 443 x 265
Reference	ATS490D88Y	ATS490C11Y	ATS490C14Y	ATS490C17Y	ATS490C21Y	ATS490C25Y	ATS490C32Y

Motor power in kW, in- 230V ND	110	132	160	–	220	250	355
line 230V HD	90	110	132	160	–	220	250
400V ND	220	250	315	355	400	500	630
400V HD	160	220	250	315	355	400	500
Motor power in kW, inside delta	220	250	–	315	355	–	500
230V ND	160	220	250	–	315	355	–
230V HD	315	355	400	500	630	710	–
400V ND	250	315	355	400	500	630	710
400V HD	410	480	590	660	790	1000	1200
Nominal current I _{NL} (A ND	320	410	480	590	660	790	1045
HD							
Dimensions: W x D x H (mm)	304 x 455 x 300	304 x 455 x 300	304 x 455 x 300	304 x 455 x 300	436 x 580 x 350	436 x 580 x 350	436 x 580 x 350
Reference	ATS490C41Y	ATS490C48Y	ATS490C59Y	ATS490C66Y	ATS490C79Y	ATS490M10Y	ATS490M12Y

ND: Normal Duty (standard motor current overload); HD: Heavy Duty (high motor current overload demand)

Download the Altivar Soft Starters ATS490 variable speed drive catalog for more information and options:



Altivar 12 ultra-compact variable speed drives for simple machine requirements



Altivar Machine ATV12 Variable Speed Drive is designed for commercial equipment and small machines with single-phase 100-120V and three-phase 200-240V suppliedfor asynchronous motors .

Altivar 12 drives with heatsink and single-phase supply voltage: 100...120 V 50/60 Hz				
Motor	Power indicated on plate in kW	0.18	0.37	0.75
Drive	Max. continuous output current (A)	1.4	2.4	4.2
Dimensions:	W x H x D (mm)	72 x 143 x 102	72 x 143 x 121	105 x 142 x 156
Reference		ATV12 H018F1	ATV12 H037F1	ATV12 H075F1

Altivar 12 drives with heatsink and single-phase supply voltage: 200...240 V 50/60 Hz							
Motor	Power indicated on plate in kW	0.18	0.37	0.55	0.75	1.5	2.2
Drive	Max. continuous output current (A)	1.4	2.4	3.5	4.2	7.5	10
Dimensions:	W x H x D (mm)	72 x 143 x 102	72 x 143 x 121	72 x 143 x 121	72 x 143 x 131	105 x 142 x 156	105 x 142 x 156
Reference		ATV12 H018M2	ATV12 H037M2	ATV12 H055M2	ATV12 H075M2	ATV12 HU15M2	ATV12 HU22M2

Altivar 12 drives with heatsink and three-phase supply voltage: 200...240 V 50/60 Hz								
Motor	Power indicated on plate in kW	0.18	0.37	0.75	1.5	2.2	3	4
Drive	Max. continuous output current (A)	1.4	2.4	4.2	7.5	10	12.2	16.7
Dimensions:	W x H x D (mm)	72 x 143 x 102	72 x 143 x 121	72 x 143 x 131	105 x 143 x 131	105 x 143 x 131	140 x 184 x 111	140 x 184 x 111
Reference		ATV12 H018M3	ATV12 H037M3	ATV12 H075M3	ATV12 HU15M3	ATV12 HU22M3	ATV12 HU30M3	ATV12 HU40M3

Download the Altivar Machine ATV12 variable speed drive catalog for more information and options:



Altivar Machine ATV320 variable speed drives for standard machine requirements



Altivar 320 offers a powerful combination of safety, reliability and simplicity with numerous out-of-the-box features for building more effective machines. Available in compact and book form factors for simplified installation and efficient space use, this drive allows machines to perform better with less down time and lower total machine costs. The Altivar 320 provides reliable control for asynchronous and synchronous motors delivering leading-edge performance with simple commissioning.

Altivar Machine ATV320, Compact, Single and three-phase supply , 200...240V and 380...500V, 50/60 Hz from 0.18 to 22 kW

ATV320 drives IP 20, with compact control block and single-phase supply voltage 200...240 V 50/60 Hz with integrated EMC filter							
Motor	Power indicated on plate in kW	0.18	0.37	0.55	0.75	1.1	2.2
Altivar 320	Max. continuous output current (A)	1.5	3.3	3.7	4.8	6.9	11
Dimensions: W x H x D (mm)		72 x 143 x 109	72 x 143 x 128	72 x 143 x 138	72 x 143 x 138	105 x 142 x 158	105 x 142 x 158
Reference		ATV320 U02M2C	ATV320 U04M2C	ATV320 U06M2C	ATV320 U07M2C	ATV320 U11M2C	ATV320 U15M2C

ATV320 drives IP 20, with compact control block and three-phase supply voltage 200...240 V 50/60 Hz without integrated EMC filter							
Motor	Power indicated on plate in kW	0.18	0.37	0.55	0.75	1.1	2.2
Altivar 320	Max. continuous output current (A)	1.5	3.3	3.7	4.8	6.9	11
Dimensions: W x H x D (mm)		72 x 143 x 109	72 x 143 x 128	72 x 143 x 138	72 x 143 x 138	105 x 143 x 138	105 x 143 x 138
Reference		ATV320 U04M3C	ATV320 U04M3C	ATV320 U06M3C	ATV320 U07M3C	ATV320 U11M3C	ATV320 U15M3C

Motor	Power indicated on plate in kW	3	4	5.5	7.5	11	15
Altivar 320	Max. continuous output current (A)	13.7	17.5	27.5	33	54	66
Dimensions: W x H x D (mm)		140 x 184 x 158	140 x 184 x 158	150 x 232 x 178	150 x 232 x 178	180 x 330 x 198	180 x 330 x 198
Reference		ATV320 U30M3C	ATV320 U40M3C	ATV320 U55M3C	ATV320 U75M3C	ATV320 D11M3C	ATV320 D15M3C

ATV320 drives IP 20, with compact control block and three-phase supply voltage 380...500 V 50/60 Hz with integrated EMC filter							
Motor	Power indicated on plate in kW	0.37	0.55	0.75	1.1	1.5	2.2
Altivar 320	Max. continuous output current (A)	1.5	1.9	2.3	3	4.1	5.5
Dimensions: W x H x D (mm)		105 x 143 x 158	105 x 143 x 158	105 x 143 x 158	105 x 143 x 158	105 x 143 x 158	140 x 184 x 158
Reference		ATV320 U04N4C	ATV320 U06N4C	ATV320 U07N4C	ATV320 U11N4C	ATV320 U15N4C	ATV320 U22N4C

Motor	Power indicated on plate in kW	4	5.5	7.5	11	15	18.5
Altivar 320	Max. continuous output current (A)	9.5	14.3	17	27.7	33	40
Dimensions: W x H x D (mm)		140 x 184 x 158	150 x 232 x 178	150 x 232 x 178	180 x 330 x 198	180 x 330 x 198	180 x 390 x 229
Reference		ATV320 U40N4C	ATV320 U55N4C	ATV320 U75N4C	ATV320 D11N4C	ATV320 D15N4C	ATV320 D18N4C

Altivar Machine ATV320, book control, Single and three-phase supply , 200...240V and 380...500V, 50/60 Hz from 0.18 to 15 kW

ATV320 drives IP 20, with book control block and single-phase supply voltage 200...240 V 50/60 Hz with integrated EMC filter							
Motor	Power indicated on plate in kW	0.18	0.37	0.55	0.75	1.1	2.2
Altivar 320	Max. continuous output current (A)	1.5	3.3	3.7	4.8	6.9	11
Dimensions: W x H x D (mm)		45 x 325 x 245	45 x 325 x 245	45 x 325 x 245	45 x 325 x 245	60 x 325 x 245	60 x 325 x 245
Reference		ATV320 U02M2B	ATV320 U04M2B	ATV320 U06M2B	ATV320 U07M2B	ATV320 U11M2B	ATV320 U15M2B

ATV320 drives IP 20, with book control block and three-phase supply voltage 380...500 V 50/60 Hz with integrated EMC filter							
Motor	Power indicated on plate in kW	0.37	0.55	0.75	1.1	1.5	2.2
Altivar 320	Max. continuous output current (A)	1.5	1.9	2.3	3	4.1	5.5
Dimensions: W x H x D (mm)		45 x 325 x 245	45 x 325 x 245	45 x 325 x 245	45 x 325 x 245	45 x 325 x 245	60 x 325 x 245
Reference		ATV320 U04N4B	ATV320 U06N4B	ATV320 U07N4B	ATV320 U11N4B	ATV320 U15N4B	ATV320 U22N4B

Motor	Power indicated on plate in kW	3	4	5.5	7.5	11	15
Altivar 320	Max. continuous output current (A)	7.1	9.5	14.3	17	27.7	33
Dimensions: W x H x D (mm)		60 x 325 x 245	60 x 325 x 245	150 x 232 x 232	150 x 232 x 232	180 x 330 x 232	180 x 330 x 232
Reference		ATV320 U30N4B	ATV320 U40N4B	ATV320 U55N4B	ATV320 U75N4B	ATV320 D11N4B	ATV320 D15N4B

Download the Altivar Machine ATV320 variable speed drive catalog for more information and options:



Altivar Machine ATV320 variable speed drives for standard machine requirements in harsh environments



Altivar Machine ATV320, Single and three-phase supply , 200...240V and 380...500V 50/60 Hz, IP66 version

ATV320 drive IP66, Single-phase supply voltage: 200...240 V 50/60 Hz, with integrated EMC filter								
Motor	Power indicated on plate in kW	0.18	0.37	0.55	0.75	1.1	1.5	2.2
Drive	Max. continuous output current (A)	1.5	3.3	3.7	4.8	6.9	8	11
Dimensions:	W x H x D (mm)	250 x 340 x 182	250 x 340 x 182	250 x 340 x 182	250 x 340 x 182	250 x 340 x 235	250 x 340 x 235	250 x 340 x 235
Reference		ATV320 U02M2W	ATV320 U04M2W	ATV320 U06M2W	ATV320 U07M2W	ATV320 U11M2W	ATV320 U15M2W	ATV320 U22M2W

ATV320 drive IP66, Three-phase supply voltage: 380...500 V 50/60 Hz, with integrated EMC filter					
Motor	Power indicated on plate in kW	0.37	0.55	0.75	1.1
Drive	Max. continuous output current (A)	1.5	1.9	2.3	3
Dimensions:	W x H x D (mm)	250 x 340 x 200	250 x 340 x 200	250 x 340 x 200	250 x 340 x 200
Reference		ATV320 U04N4W	ATV320 U06N4W	ATV320 U07N4W	ATV320 U11N4W

Motor	Power indicated on plate in kW	2.2	3	4	5.5	7.5
Drive	Max. continuous output current (A)	5.5	7.1	9.5	14.3	17
Dimensions:	W x H x D (mm)	250 x 340 x 235	250 x 340 x 235	250 x 340 x 235	320 x 521 x 300	320 x 521 x 300
Reference		ATV320 U22N4W	ATV320 U30N4W	ATV320 U40N4W	ATV320 U55N4W	ATV320 U75N4W



Altivar Machine ATV320, Single and three-phase supply , 200...240V and 380...500V 50/60 Hz, IP65 with vario switch

ATV320 drive IP65, Single-phase supply voltage: 200...240 V 50/60 Hz, with integrated EMC filter, with vario								
Motor	Power indicated on plate in kW	0.18	0.37	0.55	0.75	1.1	1.5	2.2
Drive	Max. continuous output current (A)	1.5	3.3	3.7	4.8	6.9	8	11
Dimensions:	W x H x D (mm)	250 x 340 x 182	250 x 340 x 182	250 x 340 x 182	250 x 340 x 182	250 x 340 x 235	250 x 340 x 235	250 x 340 x 235
Reference		ATV320U 02M2WS	ATV320 U04M2WS	ATV320 U06M2WS	ATV320 U07M2WS	ATV320 U11M2WS	ATV320 U15M2WS	ATV320 U22M2WS

ATV320 drive IP65, Three-phase supply voltage: 380...500 V 50/60 Hz, with integrated EMC filter, with vario					
Motor	Power indicated on plate in kW	0.37	0.55	0.75	1.1
Drive	Max. continuous output current (A)	1.5	1.9	2.3	3
Dimensions:	W x H x D (mm)	250 x 340 x 200	250 x 340 x 200	250 x 340 x 200	250 x 340 x 200
Reference		ATV320 U04N4WS	ATV320 U06N4WS	ATV320 U07N4WS	ATV320 U11N4WS

Motor	Power indicated on plate in kW	2.2	3	4	5.5	7.5
Drive	Max. continuous output current (A)	5.5	7.1	9.5	14.3	17
Dimensions:	W x H x D (mm)	250 x 340 x 235	250 x 340 x 235	250 x 340 x 235	320 x 521 x 335	320 x 521 x 335
Reference		ATV320 U22N4WS	ATV320 U30N4WS	ATV320 U40N4WS	ATV320 U55N4WS	ATV320 U75N4WS

Download the Altivar Machine ATV320 variable speed drive catalog for more information and options:



Altivar Machine ATV340 variable speed drives for advanced machine requirements



Altivar Machine ATV340, a variable speed drive designed for Original Equipment Manufacturers (OEMs) that engineer high performance applications for 3 phase motors with or without sensor from 0.75 to 75 kW

Altivar Machine ATV340, Modular version, three-phase supply , 380...480V 50/60 Hz, IP20 version

Altivar Machine ATV340 Modular version Three-phase supply voltage: 380...480 V 50/60 Hz						
Motor	Power indicated on plate in kW HD	0.75	1.5	2.2	3	5.5
	Power indicated on plate in kW ND	1.1	2.2	3	4	7.5
Drive	Max. continuous output current HD	2.2	4	5.6	7.2	12.7
	Max. continuous output current ND	2.8	5.6	7.2	9.3	16.5
Dimensions: W x H x D (mm)		85 x 270 x 232.5	85 x 270 x 232.5	85 x 270 x 232.5	85 x 270 x 232.5	110 x 270 x 234
Reference		ATV340 U07N4	ATV340 U15N4	ATV340 U22N4	ATV340 U30N4	ATV340 U40N4

Motor	Power indicated on plate in kW HD	7.5	11	15	18.5	22
	Power indicated on plate in kW ND	11	15	18.5	22	30
Drive	Max. continuous output current HD	16.5	24	32	39	46
	Max. continuous output current ND	24	32	39	46	62
Dimensions: W x H x D (mm)		110 x 270 x 234	180 x 385 x 249	180 x 385 x 249	180 x 385 x 249	180 x 385 x 249
Reference		ATV340 U75N4	ATV340 D11N4	ATV340 D15N4	ATV340 D18N4	ATV340 D22N4

Altivar Machine ATV340, Ethernet version, three-phase supply , 380...480V 50/60 Hz, IP20 version

Altivar Machine ATV340 Ethernet version Three-phase supply voltage: 380...480 V 50/60 Hz									
Motor	Power indicated on plate in kW HD	0.75	1.5	2.2	3	4	5.5	7.5	11
	Power indicated on plate in kW ND	1.1	2.2	3	4	5.5	7.5	11	15
Drive	Max. continuous output current HD	2.2	4	5.6	7.2	9.3	12.7	16.5	24
	Max. continuous output current ND	2.8	5.6	7.2	9.3	12.7	16.5	24	32
Dimensions: W x H x D (mm)		85 x 270 x 232.5	85 x 270 x 232.5	85 x 270 x 232.5	85 x 270 x 232.5	85 x 270 x 232.5	110 x 270 x 234	110 x 270 x 234	180 x 385 x 249
Reference		ATV340 U07N4E	ATV340 U15N4E	ATV340 U22N4E	ATV340 U30N4E	ATV340 U40N4E	ATV340 U55N4E	ATV340 U75N4E	ATV340 D11N4E

Motor	Power indicated on plate in kW HD	15	18.5	22	30	37	45	55	75
	Power indicated on plate in kW ND	18.5	22	30	37	45	55	75	90
Drive	Max. continuous output current HD	32	39	46	61.5	74.5	88	106	145
	Max. continuous output current ND	39	46	62	74.5	88	106	145	173
Dimensions: W x H x D (mm)		180 x 385 x 249	180 x 385 x 249	180 x 385 x 249	213 x 660 x 262	213 x 660 x 262	271 x 908 x 309	271 x 908 x 309	271 x 908 x 309
Reference		ATV340 D15N4E	ATV340 D18N4E	ATV340 D22N4E	ATV340 D30N4E	ATV340 D37N4E	ATV340 D45N4E	ATV340 D55N4E	ATV340 D75N4E

ND: Normal Duty (standard motor current overload); HD: Heavy Duty (high motor current overload demand)

Download the Altivar Machine ATV340 variable speed drive catalog for more information and options:



Altivar Process ATV600 variable speed drives for fluid management and processing and energy saving



Altivar Process ATV600 Drives has embedded services, connectivity and application functions dedicated to fluid management and is suitable for applications such as pumps, fans, and compressors in the Process Industry. Ideal for segments including Water & Wastewater, Marine or Buildings, from 0.75 kW to 2600 kW.

Altivar Process ATV600 Three-phase supply voltage: 200 & 400V and IP21 (and IP00) version

Altivar Process ATV630 Three-phase supply voltage: 200...240 V 50/60 Hz Wall-mounting drives IP21

Motor	Power indicated on plate in kW ND	0.75	1.5	2.2	3	4	5.5	7.5	11
	Power indicated on plate in kW HD	0.37	0.75	1.5	2.2	3	4	5.5	7.5
Drive	Max. continuous output current ND	4.6	8	11.2	13.7	18.7	25.4	32.7	46.8
	Max. continuous output current HD	3.3	4.6	8	11.2	13.7	18.7	25.4	32.7
Dimensions: W x H x D (mm)		144 x 350 x 203	144 x 350 x 203	144 x 350 x 203	144 x 350 x 203	144 x 350 x 203	171 x 409 x 233	211 x 546 x 232	211 x 546 x 232
Reference		ATV630 U07M3	ATV630 U15M3	ATV630 U22M3	ATV630 U30M3	ATV630 U40M3	ATV630 U55M3	ATV630 U75M3	ATV630 D11M3

Motor	Power indicated on plate in kW ND	15	18.5	22	30	37	45	55	75
	Power indicated on plate in kW HD	11	15	18.5	22	30	37	45	55
Drive	Max. continuous output current ND	63.4	78.4	92.6	123	149	176	211	282
	Max. continuous output current HD	46.8	63.4	78.4	92.6	123	149	176	211
Dimensions: W x H x D (mm)		226 x 673 x 271	226 x 673 x 271	226 x 673 x 271	290 x 922 x 323	290 x 922 x 323	290 x 922 x 323	320 x 852 x 390	320 x 852 x 390
Reference		ATV630 D15M3	ATV630 D18M3	ATV630 D22M3	ATV630 D30M3	ATV630 D37M3	ATV630 D45M3	ATV630 D55M3	ATV630 D75M3

Altivar Process ATV630 Three-phase supply voltage: 380...480 V 50/60 Hz Wall-mounting drives IP21

Motor	Power indicated on plate in kW ND	0.75	1.5	2.2	3	4	5.5	7.5	11
	Power indicated on plate in kW HD	0.37	0.75	1.5	2.2	3	4	5.5	7.5
Drive	Max. continuous output current ND	2.2	4	5.6	7.2	9.3	12.7	16.5	23.5
	Max. continuous output current HD	1.5	2.2	4	5.6	7.2	9.3	12.7	16.5
Dimensions: W x H x D (mm)		144 x 350 x 203	144 x 350 x 203	144 x 350 x 203	144 x 350 x 203	144 x 350 x 203	144 x 350 x 203	171 x 409 x 233	171 x 409 x 233
Reference		ATV630 U07N4	ATV630 U15N4	ATV630 U22N4	ATV630 U30N4	ATV630 U40N4	ATV630 U55N4	ATV630 U75N4	ATV630 D11N4

Motor	Power indicated on plate in kW ND	15	18.5	22	30	37	45	55	75
	Power indicated on plate in kW HD	11	15	18.5	22	30	37	45	55
Drive	Max. continuous output current ND	31.7	39.2	46.3	61.5	74.5	88	106	145
	Max. continuous output current HD	23.5	31.7	39.2	46.3	61.5	74.5	88	106
Dimensions: W x H x D (mm)		211 x 546 x 232	211 x 546 x 232	211 x 546 x 232	226 x 673 x 271	226 x 673 x 271	226 x 673 x 271	290 x 922 x 323	290 x 922 x 323
Reference		ATV630 D15N4	ATV630 D18N4	ATV630 D22N4	ATV630 D30N4	ATV630 D37N4	ATV630 D45N4	ATV630 D55N4	ATV630 D75N4

Motor	Power indicated on plate in kW ND	90	110	132	160	220	250	315
	Power indicated on plate in kW HD	75	90	110	132	160	220	250
Drive	Max. continuous output current ND	173	211	250	302	427	481	616
	Max. continuous output current HD	145	173	211	250	302	387	481
Dimensions: W x H x D (mm)		290 x 922 x 323	320 x 852 x 390	320 x 852 x 390	320 x 852 x 390	440 x 1,190 x 377	598 x 1,190 x 377	598 x 1,190 x 377
Reference		ATV630 D90N4	ATV630 C11N4	ATV630 C13N4	ATV630 C16N4	ATV630 C22N4	ATV630 C25N4	ATV630 C31N4

ND: Normal Duty (standard motor current overload); HD: Heavy Duty (high motor current overload demand)

Download the Altivar Process ATV600 variable speed drive catalog for more information, more power ranges, more voltage ranges and options:



Altivar Process ATV600 variable speed drives for fluid management and processing and energy saving



Altivar Process ATV600 Three-phase supply voltage: 400V IP55 version

Altivar Process ATV650 Three-phase supply voltage: 380...480 V 50/60 Hz Wall-mounting drives IP55 drives with category C2 or C3 integrated EMC filter

Motor	Power indicated on plate in kW ND	0.75	1.5	2.2	3	4	5.5	7.5
	Power indicated on plate in kW HD	0.37	0.75	1.5	2.2	3	4	5.5
Drive	Max. continuous output current ND	2.2	4	5.6	7.2	9.3	12.7	16.5
	Max. continuous output current HD	1.5	2.2	4	5.6	7.2	9.3	12.7
Dimensions:	W x H x D (mm)	264 x 678 x 272	264 x 678 x 272	264 x 678 x 272	264 x 678 x 272	264 x 678 x 272	264 x 678 x 272	264 x 678 x 299
Reference		ATV650 U07N4	ATV650 U15N4	ATV650 U22N4	ATV650 U30N4	ATV650 U40N4	ATV650 U55N4	ATV650 U75N4

Motor	Power indicated on plate in kW ND	11	15	18.5	22	30	37	45
	Power indicated on plate in kW HD	7.5	11	15	18.5	22	30	37
Drive	Max. continuous output current ND	23.5	31.7	39.2	46.3	61.5	74.5	88
	Max. continuous output current HD	16.5	23.5	31.7	39.2	46.3	61.5	74.5
Dimensions:	W x H x D (mm)	264 x 678 x 299	264 x 678 x 299	264 x 678 x 299	264 x 678 x 299	290 x 910 x 340	290 x 910 x 340	290 x 910 x 340
Reference		ATV650 D11N4	ATV650 D15N4	ATV650 D18N4	ATV650 D22N4	ATV650 D30N4	ATV650 D37N4	ATV650 D45N4

Motor	Power indicated on plate in kW ND	55	75	90
	Power indicated on plate in kW HD	45	55	75
Drive	Max. continuous output current ND	106	145	173
	Max. continuous output current HD	88	106	145
Dimensions:	W x H x D (mm)	345 x 1,250 x 375	345 x 1,250 x 375	345 x 1,250 x 375
Reference		ATV650 D55N4	ATV650 D75N4	ATV650 D90N4

Altivar Process ATV650 Three-phase supply voltage: 380...480 V 50/60 Hz Wall-mounting drives IP55 drives with Vario disconnect switch and category C2 or C3 integrated EMC filter

Motor	Power indicated on plate in kW ND	0.75	1.5	2.2	3	4	5.5	7.5
	Power indicated on plate in kW HD	0.37	0.75	1.5	2.2	3	4	5.5
Drive	Max. continuous output current ND	2.2	4	5.6	7.2	9.3	12.7	16.5
	Max. continuous output current HD	1.5	2.2	4	5.6	7.2	9.3	12.7
Dimensions:	W x H x D (mm)	264 x 678 x 300	264 x 678 x 300	264 x 678 x 300	264 x 678 x 300	264 x 678 x 300	264 x 678 x 300	264 x 678 x 330
Reference		ATV650 U07N4E	ATV650 U15N4E	ATV650 U22N4E	ATV650 U30N4E	ATV650 U40N4E	ATV650 U55N4E	ATV650 U75N4E

Motor	Power indicated on plate in kW ND	11	15	18.5	22	30	37	45
	Power indicated on plate in kW HD	7.5	11	15	18.5	22	30	37
Drive	Max. continuous output current ND	23.5	31.7	39.2	46.3	61.5	74.5	88
	Max. continuous output current HD	16.5	23.5	31.7	39.2	46.3	61.5	74.5
Dimensions:	W x H x D (mm)	264 x 678 x 330	264 x 678 x 330	264 x 678 x 330	264 x 678 x 330	290 x 910 x 401	290 x 910 x 401	290 x 910 x 401
Reference		ATV650 D11N4E	ATV650 D15N4E	ATV650 D18N4E	ATV650 D22N4E	ATV650 D30N4E	ATV650 D37N4E	ATV650 D45N4E

Motor	Power indicated on plate in kW ND	55	75	90
	Power indicated on plate in kW HD	45	55	75
Drive	Max. continuous output current ND	106	145	173
	Max. continuous output current HD	88	106	145
Dimensions:	W x H x D (mm)	345 x 1,250 x 436	345 x 1,250 x 436	345 x 1,250 x 436
Reference		ATV650 D55N4E	ATV650 D75N4E	ATV650 D90N4E

ND: Normal Duty (standard motor current overload); HD: Heavy Duty (high motor current overload demand)

Download the Altivar Process ATV600 variable speed drive catalog for more information, more power ranges, more voltage ranges and options:



Altivar Process ATV900 variable speed drives for maximum productivity with exceptional motor control and connectivity



Altivar Process ATV900 Drives with embedded services, high performance motor control, safety and application functionality to meet demanding applications including conveyors, cranes, mills and more in the Process Industry. Ideal for segments such as Mining & Metals, Oil & Gas, Food & Beverage and Hoisting, from 0.75 kW to 2600 kW.

Altivar Process ATV900 Three-phase supply voltage: 200 & 400V and IP21 (and IP00) version

Altivar Process ATV930 Three-phase supply voltage: 200...240 V 50/60 Hz Wall-mounting drives IP21- with braking unit Without EMC filter								
Motor	Power indicated on plate in kW ND	0.75	1.5	2.2	3	4	5.5	7.5
	Power indicated on plate in kW HD	0.37	0.75	1.5	2.2	3	4	5.5
	Max. continuous output current ND	4.6	8	11.2	13.7	18.7	25.4	32.7
Altivar 930	Max. continuous output current HD	3.3	4.6	8	11.2	13.7	18.7	25.4
	Dimensions: W x H x D (mm)	144 x 350 x 206	144 x 350 x 206	144 x 350 x 206	144 x 350 x 206	144 x 350 x 206	171 x 409 x 236	211 x 545.9 x 235
	Reference	ATV930 U07M3	ATV930 U15M3	ATV930 U22M3	ATV930 U30M3	ATV930 U40M3	ATV930 U55M3	ATV930 U75M3

Motor	Power indicated on plate in kW ND	11	15	18.5	22	30	37	45
	Power indicated on plate in kW HD	7.5	11	15	18.5	22	30	37
	Max. continuous output current ND	46.8	63.4	78.4	92.6	123	149	176
Altivar 930	Max. continuous output current HD	32.7	46.8	63.4	78.4	92.6	123	149
	Dimensions: W x H x D (mm)	211 x 545.9 x 235	226 x 673 x 274	226 x 673 x 274	226 x 673 x 274	290 x 922 x 325.5	290 x 922 x 325.5	290 x 922 x 325.5
	Reference	ATV930 D11M3	ATV930 D15M3	ATV930 D18M3	ATV930 D22M3	ATV930 D30M3	ATV930 D37M3	ATV930 D45M3

Altivar Process ATV930 Three-phase supply voltage: 200...240 V 50/60 Hz Wall-mounting drives IP21 - without braking unit Without EMC filter

Motor	Power indicated on plate in kW ND	30	37	45	55	75
	Power indicated on plate in kW HD	22	30	37	45	55
	Max. continuous output current ND	123	149	175	211	282
Altivar 930	Max. continuous output current HD	92.6	123	149	176	211
	Dimensions: W x H x D (mm)	290 x 922 x 325.5	290 x 922 x 325.5	290 x 922 x 325.5	320 x 852 x 393	320 x 852 x 393
	Reference	ATV930 D30M3C	ATV930 D37M3C	ATV930 D45M3C	ATV930 D55M3C	ATV930 D75M3C

Altivar Process ATV930 Three-phase supply voltage: 380...480 V 50/60 Hz Wall-mounting drives IP21- with braking unit with category C2 or C3 integrated EMC filter

Motor	Power indicated on plate in kW ND	0.75	1.5	2.2	3	4	5.5	7.5
	Power indicated on plate in kW HD	0.37	0.75	1.5	2.2	3	4	5.5
	Max. continuous output current ND	2.2	4	5.6	7.2	9.3	12.7	16.5
Altivar 930	Max. continuous output current HD	1.5	2.2	4	5.6	7.2	9.3	12.7
	Dimensions: W x H x D (mm)	144 x 350 x 206	144 x 350 x 206	144 x 350 x 206	144 x 350 x 206	144 x 350 x 206	144 x 350 x 206	171 x 409 x 236
	Reference	ATV930 U07N4	ATV930 U15N4	ATV930 U22N4	ATV930 U30N4	ATV930 U40N4	ATV930 U55N4	ATV930 U75N4

Motor	Power indicated on plate in kW ND	11	15	18.5	22	30	37	45
	Power indicated on plate in kW HD	7.5	11	15	18.5	22	30	37
	Max. continuous output current ND	23.5	31.7	39.2	46.3	61.5	74.5	88
Altivar 930	Max. continuous output current HD	16.5	23.5	31.7	39.2	46.3	61.5	74.5
	Dimensions: W x H x D (mm)	171 x 409 x 236	211 x 545.9 x 235	211 x 545.9 x 235	211 x 545.9 x 235	226 x 673 x 274	226 x 673 x 274	226 x 673 x 274
	Reference	ATV930 D11N4	ATV930 D15N4	ATV930 D18N4	ATV930 D22N4	ATV930 D30N4	ATV930 D37N4	ATV930 D45N4

Motor	Power indicated on plate in kW ND	55	75	90	110	132	160	220
	Power indicated on plate in kW HD	45	55	75	90	110	132	160
	Max. continuous output current ND	106	145	173	211	250	302	427
Altivar 930	Max. continuous output current HD	88	106	145	173	211	250	302
	Dimensions: W x H x D (mm)	290 x 922 x 325.5	290 x 922 x 325.5	290 x 922 x 325.5	320 x 1,205 x 393	320 x 1,205 x 393	320 x 1,205 x 393	440 x 1,195 x 380
	Reference	ATV930 D55N4	ATV930 D75N4	ATV930 D90N4	ATV930 C11N4	ATV930 C13N4	ATV930 C16N4	ATV930 C22N4

ND: Normal Duty (standard motor current overload); HD: Heavy Duty (high motor current overload demand)

Download the Altivar Process ATV900 variable speed drive catalog for more information, more power ranges, more voltage ranges and options:



Altivar Process ATV900 variable speed drives for maximum productivity with exceptional motor control and connectivity



Altivar Process ATV900 Three-phase supply voltage: 400V, without braking unit and IP21 version

Altivar Process ATV930 Three-phase supply voltage: 380...480 V 50/60 Hz Wall-mounting drives IP21 - without braking unit, with category C3 integrated EMC filter

Motor	Power indicated on plate in kW ND	55	75	90	110	132	160
	Power indicated on plate in kW HD	45	55	75	90	110	132
Drive	Max. continuous output current ND	106	145	173	211	250	302
	Max. continuous output current HD	88	106	145	173	211	250
Dimensions:	W x H x D (mm)	290 x 922 x 325.5	290 x 922 x 325.5	290 x 922 x 325.5	320 x 852 x 393	320 x 852 x 393	320 x 852 x 393
Reference		ATV930 D55N4C	ATV930 D75N4C	ATV930 D90N4C	ATV930 C11N4C	ATV930 C13N4C	ATV930 C16N4C

Motor	Power indicated on plate in kW ND	220	250	315
	Power indicated on plate in kW HD	160	200	250
Drive	Max. continuous output current ND	427	481	616
	Max. continuous output current HD	302	387	481
Dimensions:	W x H x D (mm)	440 x 1,195 x 380	598 x 1,195 x 380	598 x 1,195 x 380
Reference		ATV930 C22N4C	ATV930 C25N4C	ATV930 C31N4C

Altivar Process ATV900 Three-phase supply voltage: 400V and IP55 version

Altivar Process ATV950 Three-phase supply voltage: 380...480 V 50/60 Hz Wall-mounting drives IP55 drives - with braking unit with category C2 or C3 integrated EMC filter

Motor	Power indicated on plate in kW ND	0.75	1.5	2.2	3	4	5.5
	Power indicated on plate in kW HD	0.37	0.75	1.5	2.2	3	4
Drive	Max. continuous output current ND	2.2	4	5.6	7.2	9.3	12.7
	Max. continuous output current HD	1.5	2.2	4	5.6	7.2	9.3
Dimensions:	W x H x D (mm)	264 x 678 x 272	264 x 678 x 272	264 x 678 x 272	264 x 678 x 272	264 x 678 x 272	264 x 678 x 272
Reference		ATV950 U07N4	ATV950 U15N4	ATV950 U22N4	ATV950 U30N4	ATV950 U40N4	ATV950 U55N4

Motor	Power indicated on plate in kW ND	7.5	11	15	18.5	22	30
	Power indicated on plate in kW HD	5.5	7.5	11	15	18.5	22
Drive	Max. continuous output current ND	16.5	23.5	31.7	39.2	46.3	61.5
	Max. continuous output current HD	12.7	16.5	23.5	31.7	39.2	46.3
Dimensions:	W x H x D (mm)	264 x 678 x 299	264 x 678 x 299	264 x 678 x 299	264 x 678 x 299	264 x 678 x 299	290 x 910 x 340
Reference		ATV950 U75N4	ATV950 D11N4	ATV950 D15N4	ATV950 D18N4	ATV950 D22N4	ATV950 D30N4

Motor	Power indicated on plate in kW ND	37	45	55	75	90
	Power indicated on plate in kW HD	30	37	45	55	75
Drive	Max. continuous output current ND	74.5	88	106	145	173
	Max. continuous output current HD	61.5	74.5	88	106	145
Dimensions:	W x H x D (mm)	290 x 910 x 340	290 x 910 x 340	345 x 1,250 x 375	345 x 1,250 x 375	345 x 1,250 x 375
Reference		ATV950 D37N4	ATV950 D45N4	ATV950 D55N4	ATV950 D75N4	ATV950 D90N4

Altivar Process ATV950 Three-phase supply voltage: 380...480 V 50/60 Hz Wall-mounting drives IP55 drives - with braking unit with disconnect switch and category C2 or C3 integrated EMC filter

Motor	Power indicated on plate in kW ND	0.75	1.5	2.2	3	4	5.5
	Power indicated on plate in kW HD	0.37	0.75	1.5	2.2	3	4
Drive	Max. continuous output current ND	2.2	4	5.6	7.2	9.3	12.7
	Max. continuous output current HD	1.5	2.2	4	5.6	7.2	9.3
Dimensions:	W x H x D (mm)	264 x 678 x 300	264 x 678 x 300	264 x 678 x 300	264 x 678 x 300	264 x 678 x 300	264 x 678 x 330
Reference		ATV950 U07N4E	ATV950 U15N4E	ATV950 U22N4E	ATV950 U30N4E	ATV950 U40N4E	ATV950 U55N4E

Motor	Power indicated on plate in kW ND	7.5	11	15	18.5	22	30
	Power indicated on plate in kW HD	5.5	7.5	11	15	18.5	22
Drive	Max. continuous output current ND	16.5	23.5	31.7	39.2	46.3	61.5
	Max. continuous output current HD	12.7	16.5	23.5	31.7	39.2	46.3
Dimensions:	W x H x D (mm)	264 x 678 x 330	264 x 678 x 330	264 x 678 x 330	264 x 678 x 330	264 x 678 x 330	290 x 910 x 401
Reference		ATV950 U75N4E	ATV950 D11N4E	ATV950 D15N4E	ATV950 D18N4E	ATV950 D22N4E	ATV950 D30N4E

Motor	Power indicated on plate in kW ND	37	45	55	75	90
	Power indicated on plate in kW HD	30	37	45	55	75
Drive	Max. continuous output current ND	74.5	88	106	145	173
	Max. continuous output current HD	61.5	74.5	88	106	145
Dimensions:	W x H x D (mm)	290 x 910 x 401	290 x 910 x 401	345 x 1,250 x 436	345 x 1,250 x 436	345 x 1,250 x 436
Reference		ATV950 D37N4E	ATV950 D45N4E	ATV950 D55N4E	ATV950 D75N4E	ATV950 D90N4E

ND: Normal Duty (standard motor current overload); HD: Heavy Duty (high motor current overload demand)

Download the Altivar Process ATV900 variable speed drive catalog for more information, more power ranges, more voltage ranges and options:



Altivar HVAC Machine ATH200 variable speed drives for HVAC machine requirements



Designed for HVAC Original Equipment Manufacturers (OEMs), Altivar HVAC ATH200 improves the competitiveness of efficient control panel especially for outdoor mounted machines. The built-in features and ATH200 characteristics optimize the mechanical, electrical, thermal and automation design of the panel, while providing high reliability and sustainability.

Altivar HVAC Machine ATH200, Compact, Single and three-phase supply , 200...240V and 380...500V, 50/60 Hz from 0.37 to 22 kW

Altivar HVAC ATH230 IP20 drives for cabinet mounting single-phase 200...240 V							
Motor	Power indicated on plate in kW	0.37	0.55	0.75	1.1	1.5	2.2
Drive	Max. continuous output current (A)	3.3	3.7	4.8	6.9	8	11
Dimensions:	W x H x D (mm)	72 x 143 x 128	72 x 143 x 138	72 x 143 x 138	105 x 142 x 158	105 x 142 x 158	105 x 142 x 158
Reference		ATH230 U04M2	ATH230 U06M2	ATH230 U07M2	ATH230 U11M2	ATH230 U15M2	ATH230 U22M2

Altivar HVAC ATH230 IP20 drives for cabinet mounting three-phase 200...240 V							
Motor	Power indicated on plate in kW	0.37	0.55	0.75	1.1	1.5	2.2
Drive	Max. continuous output current (A)	3.3	3.7	4.8	6.9	8	11
Dimensions:	W x H x D (mm)	72 x 143 x 128	72 x 143 x 138	72 x 143 x 138	105 x 143 x 138	105 x 143 x 138	105 x 143 x 138
Reference		ATH230	ATH230	ATH230	ATH230	ATH230	ATH230
		U04M3	U06M3	U07M3	U11M3	U15M3	U22M3

Motor	Power indicated on plate in kW	3	4	5.5	7.5	11	15
Drive	Max. continuous output current (A)	13.7	17.5	27.5	33	54	66
Dimensions:	W x H x D (mm)	140 x 184 x 158	140 x 184 x 158	150 x 232 x 178	150 x 232 x 178	180 x 330 x 198	180 x 330 x 198
Reference		ATH230 U30M3	ATH230 U40M3	ATH230 U55M3	ATH230 U75M3	ATH230 D11M3	ATH230 D15M3

Altivar HVAC ATH230 IP20 drives for cabinet mounting three-phase 380...500 V								
Motor	Power indicated on plate in kW	0.55	0.75	1.1	1.5	2.2	3	4
Drive	Max. continuous output current (A)	1.9	2.3	3	4.1	5.5	7.1	9.5
Dimensions: W x H x D (mm)		105 x 142 x 158	105 x 142 x 158	105 x 142 x 158	105 x 142 x 158	140 x 184 x 158	140 x 184 x 158	140 x 184 x 158
Reference		ATH230 U06N4	ATH230 U07N4	ATH230 U11N4	ATH230 U15N4	ATH230 U22N4	ATH230 U30N4	ATH230 U40N4

Motor	Power indicated on plate in kW	5.5	7.5	11	15	18.5	22
Drive	Max. continuous output current (A)	14.3	17	27.7	33	40	46
Dimensions:	W x H x D (mm)	150 x 232 x 178	150 x 232 x 178	180 x 330 x 198	180 x 330 x 198	180 x 390 x 229	180 x 390 x 229
Reference		ATH230 U55N4	ATH230 U75N4	ATH230 D11N4	ATH230 D15N4	ATH230 D18N4	ATH230 D22N4

Download the Altivar Machine ATH230 variable speed drive catalog for more information and options:



Altivar HVAC ATH600 variable speed drives for building and infrastructure



Altivar HVAC ATH600 delivers high efficiency, reliability, and certified safety and cybersecurity. Built for simplicity and harsh environments, it boosts uptime and energy performance across demanding HVAC applications. With advanced connectivity and a wide 0.75–250 kW (1–400 HP) range, it optimizes control of compressors, pumps, and fans for commercial and critical buildings.

Altivar HVAC ATH600 Three-phase supply voltage: 380...480 V 50/60 Hz IP00 or IP20 drives

Altivar HVAC ATH630 Three-phase supply voltage: 380...480 V 50/60 Hz IP00 or IP20 drives									
Motor	Power indicated on plate in kW ND	0.75	1.5	2.2	3	4	5.5	7.5	11
	Power indicated on plate in kW HD	0.37	0.75	1.5	2.2	3	4	5.5	7.5
Drive	Max. continuous output current ND	2.2	3.7	5.1	7.2	9.1	12	16	22.5
	Max. continuous output current HD	1.2	2.2	3.7	5.1	7.2	9.1	12	16
Dimensions: W x H x D (mm)		115 x 196 x 158	115 x 196 x 158	115 x 196 x 158	145 x 197 x 166	145 x 197 x 166	145 x 197 x 166	160 x 232 x 183	160 x 232 x 183
Reference		ATH630U07N4Z	ATH630U15N4Z	ATH630U22N4Z	ATH630U30N4Z	ATH630U40N4Z	ATH630U55N4Z	ATH630U75N4Z	ATH630D11N4Z

Motor	Power indicated on plate in kW ND	15	18.5	22	30	37	45	55	75
	Power indicated on plate in kW HD	11	15	18.5	22	30	37	45	55
Drive	Max. continuous output current ND	30.5	37	46.3	61.5	74.5	88	106	145
	Max. continuous output current HD	22.5	30.5	39.2	46.3	61.5	74.5	88	106
Dimensions: W x H x D (mm)		190 x 232 x 183	190 x 232 x 183	195 x 480 x 225	210 x 597 x 261	210 x 597 x 261	210 x 597 x 261	265 x 748 x 306	265 x 748 x 306
Reference		ATH630D15N4Z	ATH630D18N4Z	ATH630D22N4Z	ATH630D30N4Z	ATH630D37N4Z	ATH630D45N4Z	ATH630D55N4Z	ATH630D75N4Z

Motor	Power indicated on plate in kW ND	90	110	132	160	220	250
	Power indicated on plate in kW HD	75	90	110	132	160	200
Altivar 630	Max. continuous output current ND	173	211	250	302	427	481
	Max. continuous output current HD	145	173	211	250	302	387
Dimensions: W x H x D (mm)		265 x 748 x 306	316 x 852 x 390	316 x 852 x 390	316 x 852 x 390	440 x 1195 x 380	598 x 1195 x 380
Reference		ATH630D90N4Z	ATH630C11N4Z	ATH630C13N4Z	ATH630C16N4Z	ATH630C22N4Z	ATH630C25N4Z

Altivar HVAC ATH600 Three-phase supply voltage: 380...480 V 50/60 Hz IP21 drives

Altivar HVAC ATH630 Three-phase supply voltage: 380...480 V 50/60 Hz IP21								
Motor	Power indicated on plate in kW ND	0.75	1.5	2.2	3	4	5.5	7.5
	Power indicated on plate in kW HD	0.37	0.75	1.5	2.2	3	4	5.5
Drive	Max. continuous output current ND	2.2	3.7	5.1	7.2	9.1	12	16
	Max. continuous output current HD	1.5	2.2	3.7	5.1	7.2	9.1	12
Dimensions: W x H x D (mm)		134 x 264 x 197	134 x 264 x 197	134 x 264 x 197	178 x 334 x 230	178 x 334 x 230	178 x 334 x 230	178 x 335 x 231
Reference		ATH630U07N4	ATH630U15N4	ATH630U22N4	ATH630U30N4	ATH630U40N4	ATH630U55N4	ATH630U75N4

Motor	Power indicated on plate in kW ND	11	15	18.5	22	30	37	45
	Power indicated on plate in kW HD	7.5	11	15	18.5	22	30	37
Drive	Max. continuous output current ND	22.5	30.5	37	46.3	61.5	74.5	88
	Max. continuous output current HD	16	22.5	30.5	39.2	46.3	61.5	74.5
Dimensions: W x H x D (mm)		178 x 335 x 231	208 x 342 x 231	208 x 342 x 231	195 x 480 x 229	210 x 597 x 265	210 x 597 x 265	210 x 597 x 265
Reference		ATH630D11N4	ATH630D15N4	ATH630D18N4	ATH630D22N4	ATH630D30N4	ATH630D37N4	ATH630D45N4

Motor	Power indicated on plate in kW ND	55	75	90
	Power indicated on plate in kW HD	45	55	75
Drive	Max. continuous output current ND	106	145	173
	Max. continuous output current HD	88	106	145
Dimensions: W x H x D (mm)		265 x 748 x 310	265 x 748 x 310	265 x 748 x 310
Reference		ATH630D55N4	ATH630D75N4	ATH630D90N4

ND: Normal Duty (standard motor current overload); HD: Heavy Duty (high motor current overload demand)

Download the Altivar HVAC ATH600 variable speed drive catalog for more information, more power ranges, more voltage ranges and options:



Altivar HVAC ATH600 variable speed drives for building and infrastrucure



Altivar HVAC ATH650 Three-phase supply voltage: 380...480 V 50/60 Hz IP55 drives

Altivar HVAC ATH650 Three-phase supply voltage: 380...480 V 50/60 Hz IP55 drives with category C2 or C3 integrated EMC filter								
Motor	Power indicated on plate in kW ND	0.75	1.5	2.2	3	4	5.5	7.5
	Power indicated on plate in kW HD	0.37	0.75	1.5	2.2	3	4	5.5
Drive	Max. continuous output current ND	2.2	3.7	5.1	7.2	9.1	12	16
	Max. continuous output current HD	1.5	2.2	3.7	5.1	7.2	9.1	12
Dimensions: W x H x D (mm)		189 x 375 x 247	189 x 375 x 247	189 x 375 x 247	189 x 375 x 254	189 x 375 x 254	189 x 375 x 254	234 x 427 x 266
Reference		ATH650U07N4	ATH650U15N4	ATH650U22N4	ATH650U30N4	ATH650U40N4	ATH650U55N4	ATH650U75N4

Motor	Power indicated on plate in kW ND	11	15	18.5	22	30	37	45
	Power indicated on plate in kW HD	7.5	11	15	18.5	22	30	37
Drive	Max. continuous output current ND	22.5	30.5	37	46.3	61.5	74.5	88
	Max. continuous output current HD	16	22.5	30.5	39.2	46.3	61.5	74.5
Dimensions: W x H x D (mm)		234 x 427 x 266	234 x 427 x 266	234 x 427 x 266	263.4 x 728.4 x 301	307 x 948.5 x 340	307 x 948.5 x 340	307 x 948.5 x 340
Reference		ATH650D11N4	ATH650D15N4	ATH650D18N4	ATH650D22N4	ATH650D30N4	ATH650D37N4	ATH650D45N4

Motor	Power indicated on plate in kW ND	55	75	90
	Power indicated on plate in kW HD	45	55	75
Drive	Max. continuous output current ND	106	145	173
	Max. continuous output current HD	88	106	145
Dimensions: W x H x D (mm)		361 x 1261 x 375	361 x 1261 x 375	361 x 1261 x 375
Reference		ATH650D55N4	ATH650D75N4	ATH650D90N4

Altivar HVAC ATH650 Three-phase supply voltage: 380...480 V 50/60 Hz IP55 drives with category C1 integrated EMC filter								
Motor	Power indicated on plate in kW ND	0.75	1.5	2.2	3	4	5.5	7.5
	Power indicated on plate in kW HD	0.37	0.75	1.5	2.2	3	4	5.5
Drive	Max. continuous output current ND	2.2	3.7	5.1	7.2	9.1	12	16
	Max. continuous output current HD	1.5	2.2	3.7	5.1	7.2	9.1	12
Dimensions: W x H x D (mm)		189 x 375 x 247	189 x 375 x 247	189 x 375 x 247	189 x 375 x 254	189 x 375 x 254	189 x 375 x 254	234 x 427 x 266
Reference		ATH650U07N4C	ATH650U15N4C	ATH650U22N4C	ATH650U30N4C	ATH650U40N4C	ATH650U55N4C	ATH650U75N4C

Motor	Power indicated on plate in kW ND	11	15	18.5
	Power indicated on plate in kW HD	7.5	11	15
Drive	Max. continuous output current ND	22.5	30.5	37
	Max. continuous output current HD	16	22.5	30.5
Dimensions: W x H x D (mm)		234 x 427 x 266	234 x 427 x 266	234 x 427 x 266
Reference		ATH650D11N4C	ATH650D15N4C	ATH650D18N4C

ND: Normal Duty (standard motor current overload); HD: Heavy Duty (high motor current overload demand)

Download the Altivar HVAC ATH600 variable speed drive catalog for more information, more power ranges, more voltage ranges and options:



Altivar Drives and Soft Starters: Catalogs overview

	Serie	Link to EN Catalog	QR code EN Catalog	Lien vers FR Catalogue	QR code FR Catalogue
Altiva Machines	ATV12 	ATV12 EN Catalog		ATV12 FR Catalogue	
	ATV320 	ATV320 EN Catalog		ATV320 FR Catalogue	
	ATV340 	ATV340 EN Catalog		ATV340 FR Catalogue	
Altivar Process	ATV600 	ATV600 Process EN Catalog		ATV600 Process FR Catalogue	
	ATV900 	ATV900 Process EN Catalog		ATV900 Process FR Catalogue	
Altivar HVAC	ATH230 	ATH230 EN Catalog		ATH230 HVAC FR Catalogue	
	ATH600 	ATH600 EN Catalog		ATH600 FR Catalogue coming soon	
Altivar Soft Starters	ATS01 	ATS01 EN Catalog		ATS01 FR Catalogue	
	ATS130 	ATS130 EN Catalog		ATS130 FR Catalogue	
	ATS430 	ATS430 EN Catalog		ATS430 FR Catalogue	
	ATS480 	ATS480 EN Catalog		ATS480 FR Catalogue	
	ATS490 	ATS490 EN Catalog		ATS490 FR Catalogue	

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