

These equivalence tables can be used to determine substitute devices, taking account of:

- Line voltage
- Motor power.

The suggested solutions are based on the equivalence of simple functions (forward, reverse, speed reference 0...10 V). For more complex functions, check compatibility in the corresponding catalogue.



ATV 11

Drives (ATV 08 to ATV 11)		ATV 08	Replaced by ATV 11
Motor power		Reference	Reference
kW	HP		
Single-phase line voltage 200...240 V			
0.18	0.25	ATV 08HU05M2	ATV 11HU05M2E
0.37	0.5	ATV 08HU09M2	ATV 11HU09M2E
0.75	1	ATV 08HU18M2	ATV 11HU18M2E
0.18	0.25	ATV 08PU05M2	ATV 11HU05M2E
0.37	0.5	ATV 08PU09M2	ATV 11PU09M2E
0.75	1	ATV 08PU18M2	ATV 11PU18M2E
0.18	0.25	ATV 08HU05M2X	ATV 11HU05M2U
0.37	0.5	ATV 08HU09M2X	ATV 11HU09M2U
0.75	1	ATV 08HU18M2X	ATV 11HU18M2U ⁽²⁾
0.18	0.25	ATV 08PU05M2X	ATV 11PU05M2U
0.37	0.5	ATV 08PU09M2X	ATV 11PU09M2U
0.75	1	ATV 08PU18M2X	ATV 11PU18M2U

⁽¹⁾ For any additional information, please consult your Regional Sales Office.

⁽²⁾ Product with fan.

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ATV 31

Drives (ATV 16 to ATV 31)		ATV 16 (without option card)	Replaced by ATV 18	Replaced by ATV 28	Replaced by ATV 31
Motor power		Reference	Reference	Reference	Reference
kW	HP				
Single-phase line voltage 200...240 V					
0.37	0.5	ATV 16U09M2	ATV 18U09M2	ATV 28●U09M2	ATV 31H037M2 (2)
0.75	1	ATV 16U18M2	ATV 18U18M2	ATV 28●U18M2	ATV 31H075M2 (2)
1.5	2	ATV 16U29M2	ATV 18U29M2	ATV 28●U29M2	ATV 31HU15M2 (2)
2.2	3	ATV 16U41M2	ATV 18U41M2	ATV 28●U41M2	ATV 31HU22M2 (2)

Three-phase line voltage 200...240 V					
0.37	0.5	ATV 16U29M2	–	–	ATV 31H037M3X (2)
0.75	1	ATV 16U41M2	–	–	ATV 31H075M3X (2)
3	–	–	ATV 18U54M2	ATV 28●U54M2	ATV 31HU30M3X (2)
4	5	–	ATV 18U72M2	ATV 28●U72M2	ATV 31HU40M3X (2)
5.5	7.5	–	ATV 18U90M2	ATV 28HU90M2	ATV 31HU55M3X (2)
7.5	10	–	ATV 18D12M2	ATV 28HD12M2	ATV 31HU75M3X (2)

Three-phase line voltage 380...500 V					
0.75	1	ATV 16U18N4	ATV 18U18N4	ATV 28HU18N4	ATV 31H075N4 (2)
1.5	2	ATV 16U29N4	ATV 18U29N4	ATV 28HU29N4	ATV 31HU15N4 (2)
2.2	3	ATV 16U41N4	ATV 18U41N4	ATV 28HU41N4	ATV 31HU22N4 (2)
3	–	ATV 16U54N4	ATV 18U54N4	ATV 28HU54N4	ATV 31HU30N4 (2)
4	5	ATV 16U72N4	ATV 18U72N4	ATV 28HU72N4	ATV 31HU40N4 (2)
5.5	7.5	ATV 16U90N4	ATV 18U90N4	ATV 28HU90N4	ATV 31HU55N4 (2)
7.5	10	–	ATV 18D12N4	ATV 28HD12N4	ATV 31HU75N4 (2)
11	15	–	ATV 18D16N4	ATV 28HD16N4	ATV 31HD11N4 (2)
15	20	–	ATV 18D23N4	ATV 28HD23N4	ATV 31HD11N4 (2)

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ATV 71

Drives (ATV 16 to ATV 71)		ATV 16 (with option card)	Replaced by ATV 58	Replaced by ATV 71
Motor power		Reference	Reference	Reference
kW	HP			
Single-phase line voltage 200...240 V				
0.37	0.5	ATV 16U09M2	ATV 58H09M2	ATV 71H075M3
0.75	1	ATV 16U18M2	ATV 58HU18M2	ATV 71HU15M3
1.5	2	ATV 16U29M2	ATV 58HU29M2	ATV 71HU22M3
2.2	3	ATV 16U41M2	ATV 58HU41M2	ATV 71HU30M3
Three-phase line voltage 380...500 V				
0.75	1	ATV 16U18N4	ATV 58HU18N4	ATV 71H075N4
1.5	2	ATV 16U29N4	ATV 58HU29N4	ATV 71HU15N4
2.2	3	ATV 16U41N4	ATV 58HU41N4	ATV 71HU22N4
3	–	ATV 16U54N4	ATV 58HU54N4	ATV 71HU30N4
4	6	ATV 16U72N4	ATV 58HU72N4	ATV 71HU40N4
5.5	7.5	ATV 16U90N4	ATV 58HU90N4	ATV 71HU55N4

(1) For any additional information, please consult your Regional Sales Office.

(2) ATV 31 drives do not have a separate control section power supply.

Substituting variable speed drives

ATV 452, ATV 66 and ATV 58

Old/new equivalence table ⁽¹⁾

These equivalence tables can be used to determine substitute devices, taking account of:

- Line voltage
- Motor power.

The suggested solutions are based on the equivalence of simple functions (forward, reverse, speed reference 0...10 V). For more complex functions, check compatibility in the corresponding catalogue.

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ATV 71

Drives (ATV 452 to ATV 71)		ATV 452 ⁽²⁾	Replaced by ATV 66	Replaced by ATV 58 ⁽³⁾	Replaced by ATV 71
Motor power		Reference	Reference	Reference	Reference
kW	HP				
Three-phase line voltage 200...240 V, constant torque application					
0.75	1	ATV 452075M	ATV 66U41M2	ATV 58HU29M2	ATV 71H075M3
1.5	2	–	ATV 66U41M2	ATV 58HU29M2	ATV 71HU15M3
2.2	3	ATV 452U22M	ATV 66U41M2	ATV 58HU41M2	ATV 71HU22M3
4	5	ATV 452U22M	ATV 66U72M2	ATV 58HU72M2	ATV 71HU40M3
5.5	7.5	ATV 452U22M	ATV 66U90M2	ATV 58HU90M2	ATV 71HU55M3
7.5	10	ATV 452U22M	ATV 66D12M2	ATV 58HD12M2	ATV 71HU75M3
11	15	ATV 452D22M	ATV 66D16M2	ATV 58HD16M2X	ATV 71HD11M3X
15	20	ATV 452D22M	ATV 66D23M2	ATV 58HD23M2X	ATV 71HD15M3X
22	30	–	ATV 66D33M2	ATV 58HD33M2X	ATV 71HD22M3X
30	40	–	ATV 66D46M2	ATV 58HD46M2X	ATV 71HD30M3X

Three-phase line voltage 380...500 V, constant torque application					
0.75	1	ATV 452075M	ATV 66U41N4	ATV 58HU18N4	ATV 71H075N4
1.5	2	ATV 452U15	ATV 66U41N4	ATV 58HU29N4	ATV 71HU15N4
2.2	3	ATV 452U22	ATV 66U41N4	ATV 58HU41N4	ATV 71HU22N4
3	–	ATV 452U30	ATV 66U54N4	ATV 58HU54N4	ATV 71HU30N4
4	5	ATV 452U40	ATV 66U72N4	ATV 58HU72N4	ATV 71HU40N4
5.5	7.5	ATV 452U55	ATV 66U90N4	ATV 58HU90N4	ATV 71HU55N4
7.5	10	ATV 452U75	ATV 66D12N4	ATV 58HD12N4	ATV 71HU75N4
11	15	ATV 452D11	ATV 66D16N4	ATV 58HD16N4	ATV 71HD11N4
15	20	ATV 452D15	ATV 66D23N4	ATV 58HD23N4	ATV 71HD15N4
22	30	ATV 452D22	ATV 66D33N4	ATV 58HD33N4	ATV 71HD22N4
30	40	ATV 452D30	ATV 66D46N4	ATV 58HD46N4	ATV 71HD30N4
37	50	ATV 452D37	ATV 66D54N4	ATV 58HD54N4	ATV 71HD37N4
45	60	–	ATV 66D64N4	ATV 58HD64N4	ATV 71HD45N4
55	75	ATV 452D55	ATV 66D79N4	ATV 58HD79N4	ATV 71HD55N4

Drives (ATV 452 to ATV 71)		ATV 452 ⁽²⁾	Replaced by ATV 66	Replaced by ATV 68	Replaced by ATV 71
Motor power		Reference	Reference	Reference	Reference
kW	HP				
Three-phase line voltage 380...500 V, constant torque application					
75	100	ATV 452D75	ATV 66C10N4	ATV 68C10N4	ATV 71HD75N4
90	125	ATV 452D90	ATV 66C13N4	ATV 68C13N4	ATV 71HD90N4
110	150	–	ATV 66C15N4	ATV 68C15N4	ATV 71HC11N4
132	200	–	ATV 66C19N4	ATV 68C19N4	ATV 71HC13N4
160	250	–	ATV 66C23N4	ATV 68C23N4	ATV 71HC16N4
200	300	–	ATV 66C28N4	ATV 68C28N4	ATV 71HC20N4
220	350	–	ATV 66C31N4	ATV 68C33N4	ATV 71HC25N4
250	400	–	–	ATV 68C33N4	ATV 71HC25N4

(1) For any additional information, please consult your Regional Sales Office.
 (2) On ATV 452 drives, the terminal connections are located at the top and bottom of the drive.
 On ATV 66, ATV 58 and ATV 71 drives, the connections are at the bottom.
 (3) ATV 58 drives do not have a separate control section power supply.

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ATV 61

Drives (ATV 452V to ATV 61)		ATV 452V ⁽²⁾	Replaced by ATV 66	Replaced by ATV 38	Replaced by ATV 61
Motor power		Reference	Reference	Reference	Reference
kW	HP				
Three-phase line voltage 200...240 V, variable torque application					
0.75	1	–	ATV 66U41M2	–	ATV 61H075M3
1.5	2	–	ATV 66U41M2	–	ATV 61HU15M3
2.2	3	–	ATV 66U41M2	ATV 38HU41M2	ATV 61HU22M3
3	–	–	ATV 66U41M2	ATV 38HU72M2	ATV 61HU30M3
5.5	7.5	–	ATV 66U72M2	ATV 38HU90M2	ATV 61HU40M3
7.5	10	–	ATV 66U90M2	ATV 38HD12M2	ATV 61HU75M3
11	15	–	ATV 66D12M2	ATV 38HD16M2X	ATV 61HD11M3X
15	20	–	ATV 66D23M2	ATV 38HD16M2X	ATV 61HD15M3X
18.5	25	–	ATV 66D23M2	ATV 38HD28M2X	ATV 61HD18M3X
30	40	–	ATV 66D33M2	ATV 38HD33M2X	ATV 61HD30M3X
37	50	–	ATV 66D46M2	ATV 38HD46M2X	ATV 61HD37M3

Three-phase line voltage 380...500 V, variable torque application					
0.75	1	–	ATV 66U41N4	ATV 38HU18N4	ATV 61H075N4
1.1	1.5	ATV 452VU11	ATV 66U41N4	ATV 38HU29N4	ATV 61HU15N4
1.5	2	ATV 452VU15	ATV 66U41N4	ATV 38HU29N4	ATV 61HU15N4
2.2	3	–	ATV 66U41N4	ATV 38HU41N4	ATV 61HU22N4
3	–	ATV 452VU30	ATV 66U41N4	ATV 38HU54N4	ATV 61HU30N4
4	5	ATV 452VU40	ATV 66U54N4	ATV 38HU72N4	ATV 61HU40N4
5.5	7.5	ATV 452VU55	ATV 66U72N4	ATV 38HU90N4	ATV 61HU55N4
7.5	10	–	ATV 66U90N4	ATV 38HD12N4	ATV 61HU75N4
11	15	ATV 452VD11	ATV 66D12N4	ATV 38HD16N4	ATV 61HD11N4
15	20	ATV 452VD15	ATV 66D16N4	ATV 38HD23N4	ATV 61HD15N4
18.5	25	–	ATV 66D23N4	ATV 38HD28N4	ATV 61HD18N4
22	30	ATV 452VD22	ATV 66D33N4	ATV 38HD28N4	ATV 61HD22N4
30	40	–	ATV 66D33N4	ATV 38HD33N4	ATV 61HD30N4
37	50	ATV 452VD37	ATV 66D46N4	ATV 38HD46N4	ATV 61HD37N4
45	60	ATV 452VD45	ATV 66D54N4	ATV 38HD54N4	ATV 61HD45N4
55	75	–	ATV 66D64N4	ATV 38HD64N4	ATV 61HD55N4
75	100	ATV 452VD75	ATV 66D79N4	ATV 38HD79N4	ATV 61HD75N4
90	125	ATV 452VD90	ATV 66C10N4	ATV 38HC10N4X	ATV 61HD90N4
110	150	ATV 452VC11	ATV 66C13N4	ATV 38HC13N4X	ATV 61HC11N4
132	200	–	ATV 66C15N4	ATV 38HC15N4X	ATV 61HC13N4
160	250	–	ATV 66C23N4	ATV 38HC19N4X	ATV 61HC16N4
200	300	–	ATV 66C23N4	ATV 38HC23N4X	ATV 61HC22N4
220	350	–	ATV 66C28N4	ATV 38HC25N4X	ATV 61HC22N4
250	400	–	ATV 66C31N4	ATV 38HC28N4X	ATV 61HC25N4

(1) For any additional information, please consult your Regional Sales Office.

(2) On ATV 452V drives, the terminal connections are located at the top and bottom of the drive.
On ATV 66, ATV 38 and ATV 61 drives, the connections are at the bottom.