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Altivar Lift

Migration table ATV71L to ATV LIFT

The ATV LIFT range has been reinforced to reach the market expectation in term of:

- high number of starts and stops per day
- 0Hz speed regulation during each travel (for comfortable start and stop)
- high switching frequency (for noise reduction)

As a consequence, ATV LIFT provides

- an over-rating hardware compare to previous ATV71L range
- a new current limitation management

ATV LIFT selection has been simplified: the sizing of the ATV LIFT is done with the nominal current of the motor. This new policy adapts ATV LIFT references with synchronous motors.

Maximum transient current has changed.

It was 1.5 In with ATV71L and is now 1.36 In with ATV LIFT.

When migrating a lift application from ATV71L to ATV LIFT, you have to check that the drive does not reach [current Limitation] (CLI) state during acceleration or deceleration.

In case of current limitation, adapt the drive parameters if necessary:

- Increase [Acceleration time] (Act)
- Decrease [Lift Leveling time] (LLt)

To improve the comfort in the lift, you have also the possibility to use the notch filter function.

See user manual.

- The previous ATV71L references not listed are no longer available. You have to take the higher power rating drive for substitution.
- Commercial reference construction: ATV71LD xxyy Z where:
 - xx : Maximum continuous current at 380V.
 - yy : Three phase supply voltage M3 = 230V & N4 = 380V.

Power Rating	Current Rating	Catalog part number		Mechanical Size	
		ATV71L	ATV LIFT	ATV71L	ATV LIFT
3-phase supply voltage : 200...240V					
5,5kW	27A	ATV71LU55M3Z	ATV71LD27M3Z	175*295*161	230*400*187
7,5kW	33A	ATV71LU75M3Z	ATV71LD33M3Z	210*295*187	230*400*187
11kW	54A	ATV71LD11M3XZ	ATV71LD54M3Z	230*400*187	240*420*210
15kW	66A	ATV71LD15M3XZ	ATV71LD66M3Z	230*400*187	240*420*210
3-phase supply voltage : 380...480V					
4kW	10A	ATV71LU40N4Z	ATV71LD10N4Z	155*260*161	175*295*161
5,5kW	14A	ATV71LU55N4Z	ATV71LD14N4Z	175*295*161	175*295*161
7,5kW	17A	ATV71LU75N4Z	ATV71LD17N4Z	175*295*161	210*295*187
11kW	27A	ATV71LD11N4Z	ATV71LD27N4Z	210*295*187	230*400*187
15kW	33A	ATV71LD15N4Z	ATV71LD33N4Z	230*400*187	230*400*187
22kW	48A	ATV71LD22N4Z	ATV71LD48N4Z	240*420*210	240*550*230