

Variable speed drives

Altivar Process ATV600

Modular drives

Three-phase supply voltage: 400 V 50/60 Hz



ATV6A0C11Q4

3



ATV6A0C25Q4

400 V (-15...10%) IP00 Modular Standard drives ⁽¹⁾								
Motor			Line supply			Altivar Process		
Power indicated on rating plate ⁽²⁾			Line current ⁽³⁾	Apparent power	Maximum prospective line Isc	Maximum continuous current ⁽²⁾	Max. transient current for 60 s	Reference ⁽⁴⁾
			400 V	400 V				
ND:	Normal duty							
HD:	Heavy duty							
kW	HP		A	kVA	kA	A	A	
Altivar Process Modular for fluid management								
THDi ≤ 48% at 100% load in Normal duty								
ND	110	–	198	137	50	211	232	ATV6A0C11Q4
HD	90	–	167	116	50	173	260	
ND	132	–	233	161	50	250	275	ATV6A0C13Q4
HD	110	–	198	137	50	211	317	
ND	160	–	278	193	50	302	332	ATV6A0C16Q4
HD	132	–	233	161	50	250	375	
ND	200	–	352	244	50	370	407	ATV6A0C20Q4
HD	160	–	290	201	50	302	453	
ND	250	–	432	299	50	477	525	ATV6A0C25Q4
HD	200	–	353	245	50	370	555	
ND	315	–	538	373	50	590	649	ATV6A0C31Q4
HD	250	–	432	299	50	477	716	
ND	355	–	611	423	50	660	726	ATV6A0C35Q4
HD	280	–	489	339	50	520	780	
ND	400	–	681	472	50	730	803	ATV6A0C40Q4
HD	315	–	545	378	50	590	885	
ND	450	–	764	529	50	830	913	ATV6A0C45Q4
HD	355	–	611	423	50	660	990	
ND	500	–	846	586	50	900	990	ATV6A0C50Q4
HD	400	–	681	472	50	730	1095	
ND	560	–	948	657	50	1020	1122	ATV6A0C56Q4
HD	450	–	767	531	50	830	1245	
ND	630	–	1058	733	50	1140	1254	ATV6A0C63Q4
HD	500	–	849	588	50	900	1350	
ND	710	–	1192	826	50	1260	1386	ATV6A0C71Q4
HD	560	–	951	659	50	1020	1530	
ND	800	–	1335	925	50	1420	1562	ATV6A0C80Q4
HD	630	–	1061	735	50	1140	1710	

(1) Integrated motor chokes allowing a shielded motor cable length up to 300 m/984 ft in category C3.

(2) These values are given for a nominal switching frequency of 2.5 kHz for use in continuous operation.

The switching frequency is adjustable from 2 to 4.9 kHz for all ratings.

Above 2.5 kHz, the drive will automatically reduce the switching frequency in the event of an excessive temperature rise.

For continuous operation above the nominal switching frequency, derate the nominal drive current. Contact your APM partner for more information.

(3) Typical value for the indicated motor power and for the maximum prospective line Isc.

(4) These references are built by combining sub-assemblies and accessories that are integrated by Altivar Process Modular Program members. Contact your APM partner for more information on possible drive architectures.

Note: Altivar Process Modular Standard drives can be designed as Reduced Height versions for integration in cabinets with a height of 1.6 m/5.25 ft. Contact your APM partner for more information.