

Variable speed drives

Altivar Process ATV600

Compact Drive Systems

Three-phase supply voltage: 380...415 V 50/60 Hz



ATV660C16Q4X1

380...415 V IP23 Compact Drive Systems

Motor		Line supply			Altivar Process			Weight
Power indicated on rating plate (1)		Line current (2)	Apparent power	Max. prospective line Isc	Max. continuous current (1)	Max. transient current for 60 s	Reference (1)	
		400 V	400 V					
ND:	Normal duty (3)							
HD:	Heavy duty (4)							
kW		A	kVA	kA	A	A		kg/lb
THDi ≤ 44% at 100% load								
ND	110	195	135	50	211	232	ATV660C11Q4X1	300/661
HD	90	164	113	50	173	260		
ND	132	232	161	50	250	275	ATV660C13Q4X1	300/661
HD	110	197	136	50	211	317		
ND	160	277	192	50	302	332	ATV660C16Q4X1	300/661
HD	132	232	161	50	250	375		
ND	200	349	242	50	370	407	ATV660C20Q4X1	400/881
HD	160	286	198	50	302	453		
ND	250	432	299	50	477	525	ATV660C25Q4X1	400/881
HD	200	353	244	50	370	555		
ND	315	538	373	50	590	649	ATV660C31Q4X1	400/881
HD	250	432	299	50	477	716		
ND	355	611	423	50	660	726	ATV660C35Q4X1	650/1,433
HD	280	489	339	50	520	780		
ND	400	681	472	50	730	803	ATV660C40Q4X1	650/1,433
HD	315	545	378	50	590	885		
ND	450	764	529	50	830	913	ATV660C45Q4X1	650/1,433
HD	355	611	423	50	660	990		
ND	500	846	586	50	900	990	ATV660C50Q4X1	650/1,433
HD	400	681	472	50	730	1095		
ND	560	948	656	50	1020	1122	ATV660C56Q4X1	850/1,873
HD	450	767	531	50	830	1245		
ND	630	1058	733	50	1140	1254	ATV660C63Q4X1	850/1,873
HD	500	849	588	50	900	1350		
ND	710	1192	826	50	1260	1386	ATV660C71Q4X1	1,100/2,425
HD	560	951	659	50	1020	1530		
ND	800	1335	925	50	1420	1562	ATV660C80Q4X1	1,100/2,425
HD	630	1061	735	50	1140	1710		

(1) 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...8 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 (see the derating curves in the [Handbook](#)).

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

(3) Values given for applications requiring a slight overload (up to 110%).

(4) Values given for applications requiring a significant overload (up to 150%).

Note: Consult the CTO options tables of possible combinations with the drives (see [page 4/16](#)).