

Variable speed drives

Altivar Process ATV900

High Performance Drive Systems

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



ATV960C16Q4X1

380...415 V IP23 High Performance Drive Systems

Motor	Line supply			Altivar Process			
	Line current (2)	Apparent power	Maximum prospective line Isc	Maximum continuous current (1)	Maximum transient current for 60 s	Reference (1)	Weight
Power indicated on rating plate (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	253	ATV960C11Q4X1	300/661
HD 90	164	113	50	173	260		
ND 132	232	161	50	250	300	ATV960C13Q4X1	300/661
HD 110	197	136	50	211	317		
ND 160	277	192	50	302	362	ATV960C16Q4X1	300/661
HD 132	232	161	50	250	375		
ND 200	349	242	50	370	444	ATV960C20Q4X1	400/882
HD 160	286	198	50	302	453		
ND 250	432	299	50	477	572	ATV960C25Q4X1	400/882
HD 200	353	244	50	370	555		
ND 315	538	373	50	590	708	ATV960C31Q4X1	400/882
HD 250	432	299	50	477	716		
ND 355	611	423	50	660	792	ATV960C35Q4X1	650/1,433
HD 280	489	339	50	520	780		
ND 400	681	472	50	730	876	ATV960C40Q4X1	650/1,433
HD 315	545	378	50	590	885		
ND 450	764	529	50	830	996	ATV960C45Q4X1	650/1,433
HD 355	611	423	50	660	990		
ND 500	846	586	50	900	1,080	ATV960C50Q4X1	650/1,433
HD 400	681	472	50	730	1,095		
ND 560	948	656	50	1,020	1,224	ATV960C56Q4X1	850/1,874
HD 450	767	531	50	830	1,245		
ND 630	1,058	733	50	1,140	1,368	ATV960C63Q4X1	850/1,874
HD 500	849	588	50	900	1,350		
ND 710	1,192	826	50	1,260	1,512	ATV960C71Q4X1	1,100/2,425
HD 560	951	659	50	1,020	1,530		
ND 800	1,335	925	50	1,420	1,704	ATV960C80Q4X1	1,100/2,425
HD 630	1,061	735	50	1,140	1,710		

(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 120%).

(4) Values given for applications requiring a significant overload (up to 150% for 60 s).

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