

Variable speed drives

Altivar Process ATV900

Drive products for integration

Three-phase supply voltage: 380...480 V 50/60 Hz



ATV930D30N4Z

380...480 V (-15...10%) 50/60 Hz drive products for cabinet integration

Motor		Line supply				Drive			
Power indicated on rating plate (1)		Line current (2)		Apparent power	Prospective line Isc	Maximum continuous current (1)	Maximum transient current for 60 s	Reference (6)	Weight kg/lb
		380 V	480 V	380 V					
ND: Normal duty (3)									
HD: Heavy duty (4)									
kW	HP	A	A	kVA	kA	A	A		
With category C2 or C3 integrated EMC filter									
IP20 drives (5)									
ND	30	40	53.3	45.9	38.2	50	61.5	73.8	ATV930D30N4Z
HD	22	30	40.5	35.8	29.8	50	46.3	69.5	
ND	37	50	66.2	57.3	47.6	50	74.5	89.4	ATV930D37N4Z
HD	30	40	54.8	48.3	40.2	50	61.5	92.3	
ND	45	60	79.8	69.1	57.4	50	88	105.6	ATV930D45N4Z
HD	37	50	67.1	59	49.1	50	74.5	111.8	
ND	55	75	97.2	84.2	70	50	106	127.2	ATV930D55N4Z
HD	45	60	81.4	71.8	59.7	50	88	132	
ND	75	100	131.3	112.7	93.7	50	145	174	ATV930D75N4Z
HD	55	75	98.9	86.9	72.2	50	106	159	
ND	90	125	156.2	135.8	112.9	50	173	207.6	ATV930D90N4Z
HD	75	100	134.3	118.1	98.2	50	145	217.5	

EMC plates for ATV930...N4Z

Corresponding drive	Plate reference	Weight kg/lb
ATV930U07N4Z...U55N4Z	VW3A47801	—
ATV930U75N4Z...D11N4Z	VW3A47802	—
ATV930D15N4Z...D22N4Z	VW3A47803	—
ATV930D30N4Z...D37N4Z	VW3A47804	—
ATV930D55N4Z...D90N4Z	VW3A47805	—

(1) These values are given for use in continuous operation with a nominal switching frequency of 4 kHz (ATV930U07N4Z...D45N4Z). The switching frequency is adjustable from 2...12 kHz (ATV930U07N4Z...D45N4Z).

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

For continuous operation above the nominal switching frequency, nominal drive current should be derated according to the derating curves available in the [Installation Manual](#).

(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%).

(5) These drives are IP00 at the bottom terminals for power connection.

(6) For applications requiring Type 12 ready-to-use, add "U" at the end of the reference (ATV...N4ZU).