

DE-RATING 230 V ACS310 / ACS320/ ACS355 DRIVES FOR SINGLE-PHASE INPUT POWER

Description:

Some ACS3XX-01U drives ratings are supplied in standard ratings for a single-phase supply voltage ranging from 200 to 240 V. They would then be used to operate a three-phase motor. It is also possible to supply 230 V single phase power to some three phase drive ratings but this would require a de-rating of the output current when choosing a drive. Recommended fuse sizes are the same for single phase input as the table values shown in the manual for a particular three-phase $Un = 200...240$ V rating.

Table Showing Drive Rating and Available Output Current When Single Phase Input Power Is Applied:

TYPE CODE	FRAME SIZE IP20/NEMA 1	FRAME SIZE NEMA 4X	INPUT CURRENT*	INPUT CURRENT	OUTPUT CURRENT	POWER (HP)
ACS3XX-03U-06A7-2	n/a	R1	6.1	12	3.5	0.5
ACS3XX-03U-09A8-2	n/a	R3	9.2	14	4.9	1
ACS3XX-03U-17A6-2	n/a	R3	14	25	10.2	2
ACS3XX-03U-46A2-2	R4	n/a	41	69	12.6	3
ACS3XX-03U-50A8-2	R4	n/a	47	76	16.5	5

***With 5% Impedance Input AC Line Reactor**

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