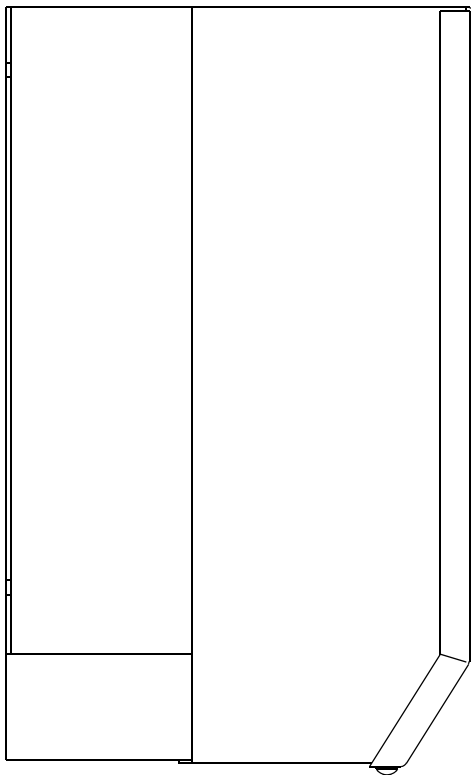


The MC3000 Series Variable Frequency Drive (VFD) modules are designed to operate with the Aqua-Air Alpha Series chillers in the 2-6 ton range. The purpose of the VFD is to eliminate the current spike produced by a compressor when it starts. As shown on the graphs on the back of this page the VFD starts the compressor by gradually increasing, in a linear manner, voltage and frequency to the compressor's motor. This keeps the amperage draw of the compressor, during starting, from ever exceeding its normal running amperage.

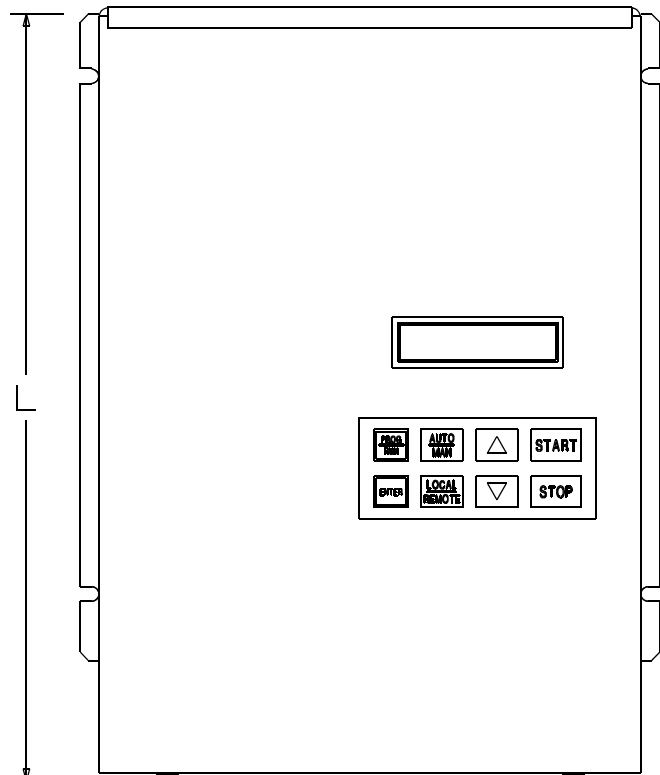
The MC3000 Series of VFD's are available in models that will accept voltages in the range from 200-230 volt, single or three phase, 50 or 60 cycles or 380-460 volt, three phase, 50 or 60 cycle. All chiller units that are used with the MC3000 modules must be equipped with three phase input compressors.

7" / 176mm



LEFT VIEW

8-9/16" / 218mm

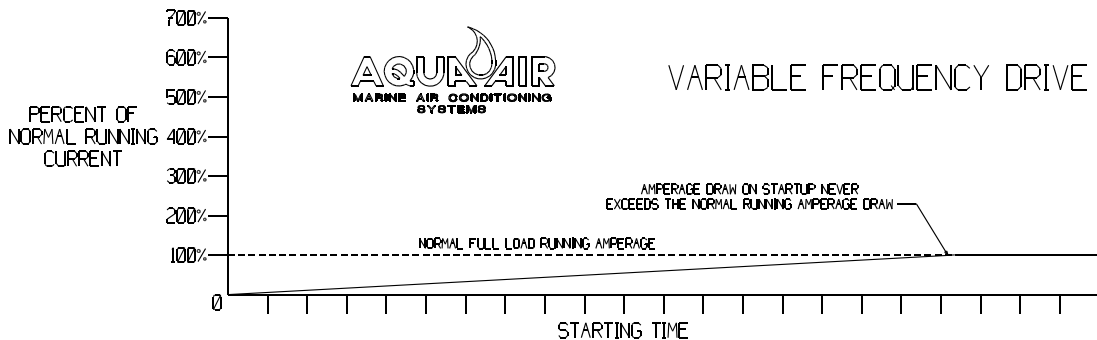
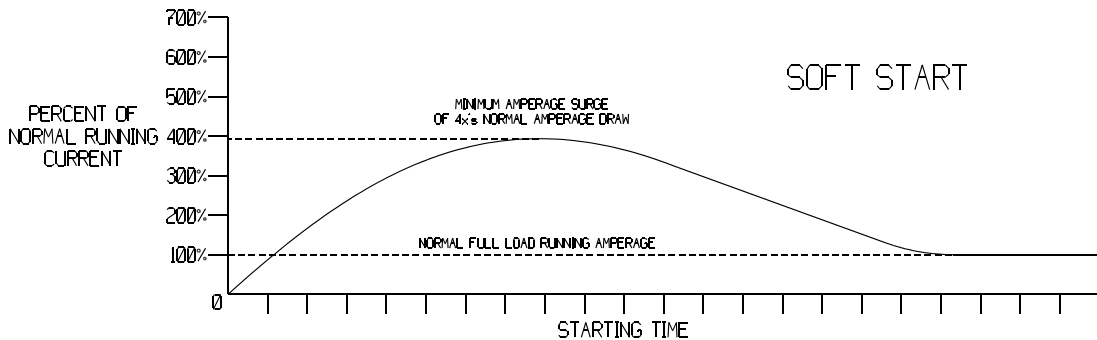
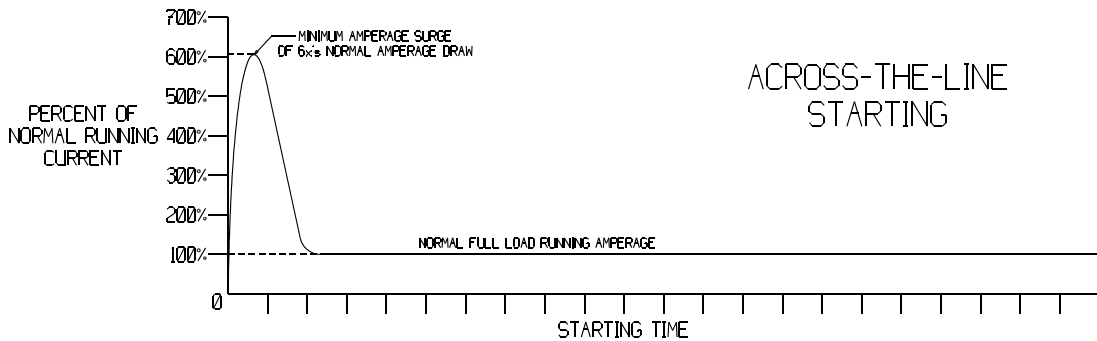


FRONT VIEW

SPECIFICATIONS

AQUA-AIR VFD MODEL NUMBER	MAXIMUM CHILLER SIZE	VOLTAGE / PHASE / HZ	RATED OUTPUT CURRENT	L DIMENSION	WEIGHT LBS / KGS
211503-07	6	200-230/3/50-60	25 / 22	9-3/8" / 238mm	12.0 / 5.5
211503-10	6	200-230/1/50-60	32 / 28	11-7/16" / 291mm	13.5 / 6.1
211503-15	4	380-460/3/50-60	8.7 / 7.6	7-1/2" / 191mm	11.0 / 5.0
211503-17	6	380-460/3/50-60	12.6 / 11	9-3/8" / 238mm	12.0 / 5.5

THE GRAPHS BELOW SHOW THE DIFFERENCE IN STARTING AMPERAGE DRAW BETWEEN A COMPRESSOR THAT IS STARTED
1) ACROSS-THE-LINE 2) WITH A SOFT START MODULE AND
3) WITH THE AQUA-AIR VARIABLE FREQUENCY DRIVE (VFD).



AQUA-AIR MANUFACTURING, division of the James D. Nall Co., Inc.
1050 East 9th Street, Hialeah, Florida 33010 U.S.A.
Ph. 305-884-8363 Fax 305-883-8549 Email sales@aquair.com