



*Tecumseh*

# POLICY BULLETIN

**SUBJECT: Compressor Voltage Range**

**PB-113**

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**REV. DATE: 01 December 2017**

In order that Tecumseh hermetic compressors have the starting, operating and dependability characteristics required of them, the compressor and its protective devices are designed for operation within a very specific minimum and maximum voltage range. This voltage range is defined in the following table:

Voltage Shown on Compressor Nameplate	Voltage Code	Voltage Range	Voltage Shown on Compressor Nameplate	Voltage Code	Voltage Range
115/60/1	XA	103 - 127	208-230/60/1	NA	187 - 254
100/50/1		90 - 110	220/60/1	XP	198 - 242
115/60/1	AA	103 - 127	200/50/1		180 - 220
115/60/1	AB	103 - 127	265/60/1	XV	292 - 239
90/50/1		81 - 99	265/60/1	VA	239 - 292
100/60/1	XU	90 - 110	220-240/50/1		198 - 264
100/50/1		90 - 110	208-230/60/3	XF	254 - 187
115-127/60/1	AG	90 - 140	200-240/50/3		264 - 180
100/50/1		90 - 110	200-230/60/3	XT	254 - 180
230/60/1	XB	207 - 254	200-220/50/3		242 - 180
200/50/1		180 - 220	380/60/3	XW	420 - 340
220-240/50/1	XC	264 - 198	460/60/3	XG	506 - 396
160-260/50/1	CF	144 - 286	380-420/50/3		462 - 342
208-230/60/1	XD	197*- 254	575/60/3	HA	633 - 518
200/50/1		180 - 220	575/60/3	XH	633 - 518
208-230/60/1	DA	187 - 254	480-500/50/3		572 - 432
220-240/50/1		198 - 264	100-115/60/1	AC	90 - 127
208-230/60/1	XN	197*- 254	100/50/1		90 - 110
200-220/50/1		180 - 242			

If a Tecumseh hermetic compressor application is likely to experience voltages lower or higher than those indicated in the preceding table, then provision for simultaneously sensing voltages outside the designated range and breaking the branch circuit to the compressor must be added so the life of the compressor will not be compromised.

This supplementary protection must be provided by others, such as, but not limited to, the Original Equipment Manufacturer, local power company, contractor, building operators or owners.

\* Exception - Dual voltage, 60 Hz., single phase commercial and refrigeration compressors have voltage range of 254 - 187.