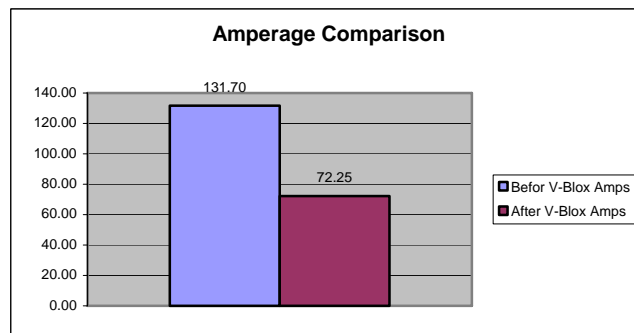




Subject: V-Blox Power Factor Correction Test at Centrex

A 20 KVAR V-Blox PFC (Power Factor Correction) device was installed on a Toshiba 250 ton injection molding machine. (40 horse power motor) at Centrex. The motor called for a 25 KVAR PFC (FFC480025K) but the distributor, Voltage Systems/MCSI, had a 20 KVAR (FFC480020K) in stock so that was used for the test. Although it would have been more desirable to use the 25 KVAR PFC the 20 KVAR PFC showed a tremendous improvement. The results are as follows:

	Avg Amps	Max KW	Avg PF
Before V-Blox PFC	131.70	53.00	0.49
After V-Blox PFC	72.25	49.88	0.91
	59.45	3.13	0.42
	45.14%	5.90%	86.87%
Amperage Drop			45.14%
Demand Drop (KW)			5.90%
Power Factor Improvement			86.87%



The V-Blox PFC showed a reduction in the amperage of this 40 HP motor by over 40% and a power factor improvement of over 85% indicating extreme inefficiencies that can be corrected and produce sizeable savings. Had the 25 KVAR PFC been used the results would have been even better. All V-Blox fixed PFC's are sized specifically to the motor and V-Blox Auto Tuned PFC's size themselves to remain constantly above 95 PF so the maximum efficiency is achieved. V-Blox recommends its TVSS with the installation of any PFC's.

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