

	No. of Fans	HP/motor	Volts	Amps (FLA)	Amps (Peak)	Phase	Hour/Month	Rate (\$/KWH)	KVA	KW (from KVA)	KWH	Monthly Cost
6-ft fan # 1	1	700	4160	87	-	3	12	0.06105	626.86	565	6785	\$430
6-ft fan # 2	1	700	4160	87	-	3	12	0.06105	626.86	565	6785	\$430
6-ft fan # 3	1	700	4160	87	-	3	12	0.06105	626.86	565	6785	\$430
6-ft fan # 4	1	700	4160	87	-	3	12	0.06105	626.86	565	6785	\$430
6-ft fan # 5	1	700	4160	87	-	3	12	0.06105	626.86	565	6785	\$430
6-ft fan # 6	1	700	4160	87	-	3	12	0.06105	626.86	565	6785	\$430
6-ft fan # 7	1	700	4160	87	-	3	12	0.06105	626.86	565	6785	\$430
6-ft fan # 8	1	700	4160	87	-	3	12	0.06105	626.86	565	6785	\$430
6-ft fan # 9	1	700	4160	87	-	3	12	0.06105	626.86	565	6785	\$430
6-ft fan # 10	1	700	4160	87	-	3	12	0.06105	626.86	565	6785	\$430
6-ft fan # 11	1	700	4160	87	-	3	12	0.06105	626.86	565	6785	\$430
6-ft fan # 12	1	700	4160	87	130.5	3	12	0.06105	940.30	848	10178	\$637
Total									7835.80	7067.89	84814.68	\$5,371

Note: MVA (Three Phase Resistive Load) = Motors*Amps*Voltage*1.73

Service Factor 1.15

Power Factor 90.2 (at full load)

HP 700 (does not change at start-up)

Note: Two Variable Frequency Drives (VFDs) will run the 12 motors; each VFD running 6 motors.