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JFS FLAT GLASS TEMPERING SYSTEMS • SPECIFICATIONS AND EXAMPLE PRICING

Each JFS flat glass tempering system is designed and manufactured in the USA. Regardless of size, each system is a rugged, high quality, precision piece of equipment built to the highest standards using only the best available "off the shelf" components to insure the system will produce the finest quality flat glass for many years to come.

LOAD SIZE WIDTH AND LENGTH INCH / METRIC	MINIMUM GLASS THICKNESS INCH / METRIC	HEAT AND CONVEYOR LOAD ¹	QUENCH FAN LOAD ²	COOLER FAN LOAD ²	PER HOUR GLASS PRODUCTION RATES AT 100% LOADING										SELLING PRICE USD
					5/32"		1/4"		3/8"		1/2"		3/4"		
					4 MM MT/2	0.157 FT/2	6 MM MT/2	0.250 FT/2	10 MM MT/2	0.375 FT/2	12 MM MT/2	0.500 FT/2	19 MM MT/2	0.750 FT/2	
24 X 48 600 X 1200	0.157 4 MM	100 KW	45 KW	N/A	17	183	11	115	7	77	5	58	4	38	\$138,000
24 X 60 600 X 1500	0.157 4 MM	120 KW	57 KW	N/A	21	229	13	144	9	96	7	72	4	48	\$142,000
24 X 72 600 X 1800	0.157 4 MM	140 KW	68 KW	N/A	26	275	16	173	11	115	8	86	5	58	\$145,000
24 X 96 600 X 2400	0.157 4 MM	175 KW	85 KW	N/A	34	367	21	230	14	154	11	115	7	77	\$150,000
36 X 72 900 X 1800	0.157 4 MM	200 KW	114 KW	N/A	38	413	24	259	16	173	12	130	8	86	\$158,000
36 X 84 900 X 2100	0.157 4 MM	225 KW	142 KW	N/A	45	482	28	302	19	202	14	151	9	101	\$165,000
36 X 96 900 X 2400	0.157 4 MM	250 KW	171 KW	N/A	51	550	32	346	21	230	16	173	11	115	\$175,000
48 X 96 1200 X 2400	0.157 4 MM	330 KW	199 KW	N/A	68	734	43	461	29	307	21	230	14	154	\$200,000
48 X 120 1200 X 3000	0.157 4 MM	375 KW	227 KW	N/A	85	917	54	576	36	384	27	288	18	192	\$220,000
60 X 120 1500 X 3000	0.157 4 MM	500 KW	142 KW	45 KW	107	1146	67	720	45	480	33	360	22	240	\$245,000
60 X 144 1500 X 3600	0.157 4 MM	575 KW	142 KW	57 KW	128	1376	80	864	54	576	40	432	27	288	\$260,000

² FAN KW IS NOT CORRECTED AND IS ROUNDED UP TO THE NEAREST STANDARD HORSEPOWER

¹ INCLUDES ADDITIONAL KW FOR FUTURE LOW "E" ASPIRATED CONVECTION SYSTEM

The above listed systems include the following

- JFS designs and builds tempering systems that meets and exceeds our customers' exact requirements and expectations. With our flexible design and manufacturing methods all sizes are "standard" and extremely cost competitive with all domestic and off-shore manufacturers. JFS systems are designed and built to be the most cost effective systems to purchase, operate and maintain.
- JFS systems incorporate many features which are an additional cost or not available from other manufacturers.
- Precision roller bed with the highest quality ceramic rolls.
- Full feature, windows® based operating system including two rugged glass, color graphic operator touch screens.
- JFS has no "proprietary" components, software, hardware or operating systems.
- Advanced, temperature control system utilizing hot swappable zone temperature control modules and SCR power controllers for precise zone heat control. This system eliminates heat control failure due to a plc or card failure. Coupled with high efficiency, fast response, long lasting, low cost heating elements, the system delivers unparalleled reliability, exceptional temperature control and reduced energy consumption.
- All furnace interiors use the most efficient insulation available and all exposed insulation is a hard, non-dusting board that virtually eliminates furnace contamination from insulation.
- Premium quench and/or cooler fans with specially designed heavy duty wheels for VFD cycling. All fans have premium efficiency, inverter rated motors and are operated by a plc controlled, variable speed frequency drive.
- All JFS electric tempering systems are designed to accept low "e" convection aspiration even if not initially required. This includes the required kW (many other systems only provide a minimum kW for tempering), software and furnace mounts for future installation. Should a low "e" furnace be initially required, JFS supplies a properly sized compressor.
- All systems include a radiometer located between the furnace and quench and the current glass exit temperature and history of past temperatures are displayed and recorded.
- All systems are supplied with a computer controlled so/2 system. Larger sizes include a selective, multi zone so/2 system.
- Complete spare parts package including rolls, heating elements and all critical electric and mechanical components.
- A real no hassle warranty. From the first load roll to the last unload roll, JFS provides our customers with most advanced, full featured, cost effective, flat glass tempering system available anywhere and our customer service and support should be the industry standard. JFS constantly strives to provide the perfect system but in the real world problems and situations do occur. From our 24 hour on-line assistance and system monitoring to a "can you be here yesterday" service attitude. JFS provides what you need, when you need it, to keep you running.