

FEC Overall Servo Press Electric Running Cost Comparison vs. Hydraulic Presses



Intelligent Press Systems for a new age

	.20 Ton		2 Ton		5 Ton		10 Ton		20 Ton	
	Hydraulic	FEC Servo Press	Hydraulic	FEC Servo Press	Hydraulic	FEC Servo Press	Hydraulic	FEC Servo Press	Hydraulic	FEC Servo Press
Running Cost	1HP	RM1 Motor	3 HP	RM3 Motor	5HP	RM4 Motor	7.5HP	RM5 Motor	15HP	RM5 Motor
Total Watt (Kw)	0.877	0.023	2.87	0.088	4.63	0.107	6.82	0.134	13.4	0.134
Energy Cost (DTE)(KWh)	\$0.089	\$0.089	\$0.089	\$0.089	\$0.089	\$0.089	\$0.089	\$0.089	\$0.089	\$0.089
Cost per hour	\$0.078	\$0.0020	\$0.255	\$0.0078	\$0.412	\$0.0095	\$0.607	\$0.0119	\$1.193	\$0.0119
Running Time										
16hr / day	16		16		16		16		16	
5 days / week	5		5		5		5		5	
46 weeks / year	46		46		46		46		46	
Hours per year	3680		3680		3680		3680		3680	
Total Energy Cost / Year	\$287.24	\$7.53	\$939.98	\$28.82	\$1,516.42	\$35.04	\$2,233.69	\$43.89	\$4,388.77	\$43.89

Total Savings/yr **\$279.70** Total Savings/yr **\$911.16** Total Savings/yr **\$1,481.37** Total Savings/yr **\$2,189.80** Total Savings/yr **\$4,344.88**

Servo Press Total Watts calculated running 97% Capacity , 99% Stroke, 60% duty
 Hydraulic Press calculation includes 240 watt oil cooler on any size 2 Ton or greater.
 Hydraulic Press Calculation based on Typical HP sizing - actual results may vary.

