

MF Eco Machine Certification System Registry (Press Machine)

Registered: July 2, 2009
 Revised: September 8, 2009
 Revised: March 16, 2010
 Revised: December 1, 2015
 Revised: December 4, 2018
 Revised: December 10, 2021
 Criteria revised: June 21, 2024
 Revised: December 6, 2024

Certified registration no. & registered product name		MF-P013 Mechanical Servo Press		Product scope	Direct Servo Former DSF-N2-1100, DSF-N2-1600
Registered name of corporation		Aida Engineering Ltd.		Certified model	DSF-N2-1100, DSF-N2-1600
Production time of reference model		NC2-1100(2)E/1600(2)E (Jan, 2009/May, 2009)			
Requirements and environmental factors		Evaluation items	Evaluation criteria	Evaluation results and/or remarks	
(1) Essential requirement				DSF-N2-1100 vs NC2-1100(2)E	DSF-N2-1600 vs NC2-1600(2)E
Energy saving	Energy consumption	Reduction ratio	Reduce more than 25%	37%	31%
				Based on JFMA standard	
(2) Selective requirement				DSF-N2-1100 vs NC2-1100(2)E	DSF-N2-1600 vs NC2-1600(2)E
Energy saving	Energy consumption	Reduction ratio	Reduce more than 25%	59%	55%
				Applied 90°-270°pendulum motion to the certified model, the other conditions are to measure reductions of power consumption per unit based on JFMA standard at the time of loaded operation.	
Resource saving	Air	Amount of use	Reduce more than 10%	X	
	Lubrication oil	Amount of use	Reduce more than 10%	X	
Minimum selective requirement		3 items or more		3 items	
(3) Recommended requirement		Name of function/device	Summary of environmental load reduction		
Environmental Factor	Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil)	Capacitor bank system	Reduction of power supply capacity, retrieve regenerated power in full for reuse		
		Energy saving timer	Electronic charging control stops automatically after elapsing stand-by time for 15 minutes		
		Mechanical brake	Reduction of power consumption and noise, ensuring safety and risk reduction		
Minimum requirement		3 items or more		3 items	

Note:

- (1) Revised content on September 8, 2009: 1 model (NS2-1100(D)) was added.
- (2) Revised content on March 16, 2010: 1 model (NS2-3000(D)) was added.
- (3) Revised content on June 15, 2010: 2 models (NS2-2000(D) and 2500(D)) were added
- (4) Model name was changed from NS2 to DSF-N2 on December 11, 2012.
- (5) 2 models (DSF-N2-2000/3000) were taken off the list on December 11, 2012.