

MF Eco machine Certification System Registry (Sheet Metal Forming Machines) gistered: May 14, 2009

Revised: December 11, 2012

Revised: December 1, 2015

Revised: December 4, 2018

Revised: December 10, 2021

Criteria revised: Jun. 21, 2024

Certification number		MF-B006 Mechanical Servo Brake		Product Scope	Press Brake PAS5012NET, PAS5020NET
Registered company		Komatsu Industries Corp.		Certified Product	PAS5012NET, PAS5020NET
Criteria-based product(production)		PHS50x125 (May, 2000), PHS50x200 (Jan, 2002)			
Requirements & environment factors		Evaluation item	Criteria	Evaluation result and/or remarks	
(1) Essential requirement				PAS3512 vs PHS35x125	PAS5020 vs PHS50x200
Energy saving	Energy consumption	Reduction ratio	25% or more reduced	77%	77%
based on JFMA criteria					
(2) Selective requirement				PAS3512 vs PHS35x125	PAS5020 vs PHS50x200
Resources saving	Shrinkage of space/items	Number of air/hydraulic pressure parts	10% or more reduced	X	
	Operating oil	Consumption volume	10% or more reduced	X	
Environment conservation	Safety	Safety standard	Applicable set standard	X	
Minimum selective requirement		3 items or more		3 items	
(3) Recommendation requirement		Names of equipped	Summary of effects on environmental burden reduction		
Environment factor	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	AC servo drive	Adoption of servo mechanism enables reduction of oil consumption volume and energy saving.		
		Ram watch function	work environment safety is enhanced.		
		LCD indicator	Reduction of power consumption		
		Extension adjustment bracket	Reduction of defective products lead to the resources saving..		
		Double-action foot pedal	Work environment safety is enhanced.		
Minimum recommendation requirement		3 items or more		5 items	

Note:

(1) 3 models (PAS3512,8025,1253) were taken off the list on December 11, 2012.