MF Eco machine Certification System Registry (Sheet Metal Forming Machines)

Registered: May 14, 2009
Revised: December 11, 2012
Revised: December 1, 2015
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Certification number	MF-B005	Product scope	Press Brake PBZ1253NET、PBZ1753NET、 PBZ2253NET、PBZ2254NET
Registered company	Komatsu Industries Corp.	Certified Product	PBZ1253NET、PBZ1753NET、 PBZ2253NET、PBZ2254NET
Criteria-based product(production)	PHS1252(Aug. 2005), PHS1253(Dec. 2002), PHS1753(Mar. 2004), PHS2253(Jan. 2006), PHS2254(Mar. 2004)		

Requirements & environment factors		Evaluation item	Criteria	Evaluation result and/or remarks				
(1) Essential requirement					PBZ1253 vsPHS125	PBZ1753 vsPHS175	PBZ2253 vsPHS225	PBZ2254 vsPHS225
Energy saving	Energy consumption	Reduction ratio	25% or more reduced		**72%**	**72%**	**80%**	**78%**
				based on JFMA criteria				

(2) Selective requirement					PBZ1253 vsPHS1253	PBZ1753 vsPHS1753	PBZ2253 vsPHS2253	PBZ2254 vsPHS2254
Energy saving	Energy consumption	Reduction ratio	25% or more reduced		**44%**	**50%**	**56%**	**52%**
				The reduction of power consumption per unit is applied at the time of loaded operations per JFMA criteria.				
Resource saving	Operating oil	Total consumption volume	10% or more reduced.	**X**				
Environment conservation	Safety	Safety Standard	Applied standard	**X**				
Minimum selective requirement		3items or more		**3 items**				

(3) Recommendation requirement		Names of equipped	Summary of effects on environmental burden reduction
Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)		Inverter mechanism	Adoption of inverter motor enables energy-saving and reduction of operation oil volume.
		LCD indicator	Reduction of power consumption
		Extension adjustment bracket	Reduction of defective products lead to the resources saving.
En		double-action foot pedal	work environment safety is enhanced.
Minimum recommendation requirement		3 items or more	**4 items**

NOTE