

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

Registered: Dec 3, 2019

Certification number	MF-B004(1/3) Hydraulic Servo Press Brake		Product scope	HG series (1/2)			
Registered company	AMADA CO.LTD.		Certified Product	HG5020/8025/1003/1303			
Criteria-based product(production)	FBDⅢ5020NT/8025NT/1025NT/1253NT(2003年10月)						
Requirements & environment factors		Evaluation item	Criteria	Evaluation result and/or remarks			
(1) Essential requirement				HG5020 vs FBDⅢ 5020NT	HG8025 vs FBDⅢ 8025NT	HG1003 vs FBDⅢ 1025NT	HG1303 vs FBDⅢ 1253NT
Energy saving	Energy consumption	Reduction ratio	15% or more reduced	<b>66%</b>	<b>55%</b>	<b>61%</b>	<b>58%</b>
				based on JFMA criteria			
(2) Selective requirement				HG5020	HG8025	HG1003	HG1303
Energy saving	Energy consumption	Reduction ratio	15% or more reduced	<b>53%</b>	<b>53%</b>	<b>58%</b>	<b>52%</b>
				The reduction of power consumption per unit is applied at the time of loaded operations per JFMA criteria.			
Resource saving	Operating oil	Total consumption	10% or more reduced.	<b>46%</b>	<b>44%</b>	<b>33%</b>	<b>22%</b>
Environment conservation	Hazardous materials	Safety Standard	Applied standard	○			
Minimum selective requirement		3items or more		<b>3 items</b>			
(3) Recommendation requirement		Names of equipped	Summary of effects on environmental burden reduction				
En	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	Servo hydraulic type hybrid mechanism	Equipped with a servo hydraulic hybrid mechanism on the main axes to save energy (reduce power consumption)				
		Electric servo drive mechanism	Electric servo drive reduces rising temperature of oil, saving resources (reducing oil volume)				
		Laser type safety device	Secure operator safety by laser type safety device				
		Operation information management	Prevent troubles by collecting operation information				
Minimum recommendation requirement		3 items or more		<b>4 items</b>			

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

Registered: Dec 3, 2019

Certification number	MF-B004(2/3) Hydraulic Servo Press Brake		Product scope	HG series (2/2)			
Registered company	AMADA CO.LTD.		Certified Product	HG1703/1704/2203/2204			
Criteria-based product(production)	FBDⅢ 1503NT/1504NT/2003NT/2004NT(2003年10月)						
Requirements & environment factors	Evaluation item	Criteria	Evaluation result and/or remarks				
(1) Essential requirement			HG1703 vs FBDⅢ 1503NT	HG1704 vs FBDⅢ 1504NT	HG2203 vs FBDⅢ 2003NT	HG2204 vs FBDⅢ 2004NT	
Energy saving	Energy consumption	Reduction ratio	15% or more reduced	<b>66%</b>	<b>69%</b>	<b>71%</b>	<b>72%</b>
				based on JFMA criteria			
(2) Selective requirement			HG5020	HG8025	HG1003	HG1303	
Energy saving	Energy consumption	Reduction ratio	15% or more reduced	<b>64%</b>	<b>67%</b>	<b>70%</b>	<b>70%</b>
				The reduction of power consumption per unit is applied at the time of loaded operations per JFMA criteria.			
Resource saving	Operating oil	Total consumption	10% or more reduced.	<b>24%</b>	<b>24%</b>	<b>12%</b>	<b>12%</b>
Environment conservation	Hazardous materials	Safety Standard	Applied standard	○			
Minimum selective requirement		3items or more		<b>3 items</b>			
(3) Recommendation requirement		Names of equipped	Summary of effects on environmental burden reduction				
En	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	Servo hydraulic type hybrid mechanism	Equipped with a servo hydraulic hybrid mechanism on the main axes to save energy (reduce power consumption)				
		Electric servo drive mechanism	Electric servo drive reduces rising temperature of oil, saving resources (reducing oil volume)				
		Laser type safety device	Secure operator safety by laser type safety device				
		Operation information management	Prevent troubles by collecting operation information				
Minimum recommendation requirement		3 items or more		<b>4 items</b>			

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Registered: Dec 3, 2019

Certification number	MF-B004(3/3) Hydraulic Servo Press Brake		Product scope	HRB series			
Registered company	AMADA CO.LTD.		Certified Product	HRB5020/8025/1003/2204			
Criteria-based product(production)	HM5020/8025/1003(2017年8月)/1303						
Requirements & environment factors		Evaluation item	Criteria	Evaluation result and/or remarks			
(1) Essential requirement				HRB5020 vs HM5020	HRB8025 vs HM8025	HRB1003 vs HM1003	HRB2204 vs HM2204
Energy saving	Energy consumption	Reduction ratio	15% or more reduced	<b>60%</b>	<b>62%</b>	<b>57%</b>	<b>58%</b>
based on JFMA criteria							
(2) Selective requirement				HRB5020	HRB8025	HRB1003	HRB2204
Energy saving	Energy consumption	Reduction ratio	15% or more reduced	<b>73%</b>	<b>73%</b>	<b>73%</b>	<b>73%</b>
The reduction of power consumption per unit is applied at the time of loaded operations per JFMA criteria.							
Resource saving	Operating oil	Total consumption	10% or more reduced.	<b>46%</b>	<b>44%</b>	<b>33%</b>	<b>22%</b>
Environment conservation	Hazardous materials	Safety Standard	Applied standard	○			
Minimum selective requirement		3items or more		<b>3 items</b>			
(3) Recommendation requirement		Names of equipped	Summary of effects on environmental burden reduction				
En	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	Servo hydraulic type hybrid mechanism	Equipped with a servo hydraulic hybrid mechanism on the main axes to save energy (reduce power consumption)				
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		Laser type safety device	Secure operator safety by laser type safety device				
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Minimum recommendation requirement		3 items or more		<b>4 items</b>			