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

(Sheet Metal Forming Machines) Certification number Revised: Dec MF-B004(1/3) Hydraulic Servo Press Brake Certified Legges (2005)						
Certified						
Registered company AMADA CO.LTD. Product HG5020/8025/10	HG5020/8025/1003/1303					
Criteria-based product(production) FBDⅢ5020NT/8025NT/1025NT/1253NT(2003年1	1253NT(2003年10月)					
Requirements & Evaluation item Criteria Evaluation result and/or re	marks					
(1) Essential requirement	HG1303 vs FBDⅢ 1253NT					
Energy saving consumption Reduction ratio 20% or more reduced 66% 55% 61%	58%					
saving consumption reduced based on JFMA criter	based on JFMA criteria					
(2) Selective requirement HG5020 HG8025 HG1003	HG1303					
53% 53% 58%	52%					
per unit is applied at the	The reduction of power consumption per unit is applied at the time of loaded operations per JFMA criteria.					
Resource saving Operating oil Consumption 10% or more reduced. 46% 44% 33%	22%					
Environment conservation Hazardous Safety Standard Applied Standard Standard						
Minimum selective requirement 3items or more 3 items	3 items					
Energy saving, durability, long life, display/managemen t of environment info., vibration/noise, emission (atmosphere, soil) Energy saving, durability, long life, display/managemen t of environment info., vibration/noise, emission (atmosphere, soil) Energy saving, durability, long life, display/managemen t of environment info., vibration/noise, emission (atmosphere, soil) Equipped Equipped with a servo hydraulic hybrid me on the main axes to save energy (reduce processes of the main axes	Electric servo drive reduces rising temperature of oil, saving resources (reducing oil volume) Secure operator safety by laser type safety device Prevent troubles by collecting operation					
I management Minimum recommendation requirement 3 items or more 4 items						

Registered: Dec 3, 2019

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

(Sheet Metal Forming Machines)					•	vised: Dec	15 2022	
Certification number		MF-B004(2/3) Hydraulic Servo Press Brake		Product scope		series (·	
Registered company		AMADA CO.LTD.		Certified Product	HG1703/1704/2203/2204			
produc	eria-based et(production)	FBDⅢ1503NT/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	Reduction ratio	20% or more reduced	66%	69%	71%	72%	
Saving	consumption		reduced	based on JFMA criteria				
(2) Selective requirement				HG5020	HG8025	HG1003	HG1303	
				64%	67%	70%	70%	
Energy saving	Energy consumption	Reduction ratio	20% or more reduced	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.	24%	24%	12%	12%	
Environment conservation	materials	Safety Standard	Applied standard	0				
Minimum selective requirement		3items or more		3 items				
(3) Recommendation requirement Energy saving,		Names of equipped Servo hydraulic	Summary of effects on environmental burden reduct					
dura disp	ability, long life, lay/managemen	type hybrid mechanism	on the main axes to save energy (reduce power consumption)					
t of environment info., vibration/noise, emission (atmosphere, soil)		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					
En Operation information management Prevent troubles by collecting operation information								
Minimum recommendation requirement 3 items or more 4 items								

Registered: Dec 3, 2019

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

(Sheet Metal Forming Machines)						vised: Dec		
Certification number		MF-B004(3/3) Hydraulic Servo Press Brake		Product scope	Revised: Dec 15, 2022 HRB series			
Registered company		AMADA CO.LTD.		Certified Product	HRB5020/8025/1003/2204			
produc	eria-based t(production)	HM5020/8025/1003(2017年8月)/1303						
	uirements & nment factors	Evaluation item	Criteria	Evaluation result and/or remarks				
(1) Essential requirement				HRB5020 vs HM5020	HRB8025 vs HM8025	HRB100 3 vs HM1003	HRB220 4 vs HM2204	
Energy saving	Energy consumption	Reduction ratio	20% or more reduced	60%	62%	57%	58%	
				based on JFMA criteria				
(2) Selective requirement				HRB5020	HRB8025	HRB1003	HRB2204	
	Energy consumption	Reduction ratio	20% or more reduced	73%	73%	73%	73%	
Energy saving				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.	46%	44%	33%	22%	
Environment	Hazardous materials	Safety Standard	Applied standard					
Minimum selective requirement		3items or more		3 items				
(3) Recommendation requirement Energy saving, durability, long life, display/managemen t of environment info., vibration/noise, emission (atmosphere, soil)		Names of equipped Servo hydraulic type hybrid mechanism Electric servo	Summary of effects on environmental burden reduction Equipped with a servo hydraulic hybrid mechanism on the main axes to save energy (reduce power consumption)					
			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					
En Operation information management Prevent troubles by collecting op information				eration				
	recommendation quirement		4	items				

Registered: Dec 3, 2019