

Registered: September 8, 2009

Revised: July 1, 2010

MF Eco machine Certification System Registry (Fabricating Machine)

Revised: September 30, 2010

Certification number & registered product		MF-B011 Hydraulic Servo Press Brake		Product scope	Hybrid Press Brake HYB-6013, 6020, 8520, 8525, 12525, 12530, 12540, 17525, 17530, 17540, 25025, 25030, 25040, 25060		
Registered company		Amada Toyo Co., Ltd. (Toyo Koki Co., Ltd.)		Certified model	HYB-6013/12530/17530		
Reference product & production time		HPB-6012AT/12530AT/16530AT (August, 2009/August, 2000/May, 2006)					
Requirement & environment factors		Evaluation item	Criteria	Evaluation results and scores			
(1) Essential requirements			HYB vs HPB-AT	6013 vs 6012	12530 vs 12530	17530 vs 16530	Other models
Energy saving	Energy consumption	Reduction ratio	10% or more reduction	44%	28%	44%	-
Based on JFMA standard							
(2) Selective requirement				6013 vs 6012	12530 vs 12530	17530 vs 16530	Other models
Energy saving	Energy consumption	Reduction ratio	10% or more reduction	45%	20%	36%	-
With SPCC thickness 1.6mm * 915mm length as same as essential requirement, measures reduction on 1 unit from 6 bending processes.							
Resource saving	Compactification	No. of air hydraulic parts	10% or more reduction	X			
Environment conservation	Vibration/noise	Noise on loaded operation	3dB or more reduction	X			-
Minimum selective requirement		3 items or more		3 items			
(3) Recommended requirement		Names of function/device	Summary of environmental load reduction effectiveness				
Environment factor	Energy saving, durability, long life, display/managemement of environment info., vibration/noise, emission (atmosphere, soil)	Servo hydraulic hybrid design	Controlling rotation of servo driven hydraulic pump, achieves energy saving and reduction of stand-by power consumption.				
		Overcurrent protection	Setting a parameter of servo amplifier with overcurrent protection, achieves durability and longlife.				
		Low noise feed mechanism (ball screw, guide)	It reduces operator's environment load.				
Minimum recommended requirement		3 items or more		3 items			

Note:

(1) Revised on July 1, 2010: Change of company name from Toyo Koki Co., Ltd. to Amada Toyo Co., Ltd.

(2) Revised on September 30: Because of withdrawal from JFMA, the registry has been canceled.

No more shipment from October 1. However, products shipped before date of expiry are still effective.