MF Eco machine Certification System Registry

Register:Dec 3, 2019 Revised:Dec 15, 2022 Revised:Jun 22, 2023

(Sheet Metal Forming Machines)

(Sheet Metal Forming Machines) Revised.Juli 22, 2023								
Certification number & Registered product		MF-B02 Fiber Lase	` ,	Product scope ENSIS-Aje, -Rle se		series		
Registered company		AMADA C	<u> </u>	Certified product	ENSIS3015Rle(3kW.6kW.9		kW,9kW)	
Prod	uction of criteria-bas product	April, 2	015	Criteria- base	FOM2 3015NT/LCG 3015AJ			
E	Requirements & Environment factors	Evaluation item	Criteria	Eva	aluation resul	t and/or rema	arks	
(1) E	ssential requiren	ent			ENSIS3015	Aje/4020Aje		
-	Total energy cons	ımption		3kW vs FOM2 3015NT(4kW)	6kW vs FOM2 3015NT(4kW)	9kW vs FOM2	12kW vs FOM2 3015NT(4kW)	
Ener	gy Energy	Reduction ratio	20% or more reduced	92%	90%	88%	84%	
savir	ng consumption	Reduction ratio		based on JFMA criteria				
(1) E	ssential requiren	ent		ENSIS3015Rle				
	Total energy cons			3kW vs FOM2 3015NT(4kW)	6kW vs FOM2 3015NT(4kW)	9kW vs FOM2 3015NT(4kW)		
Ener	gy Energy	Reduction ratio	20% or more	91%	89%	86%		
savir	ng consumption	Reduction ratio	reduced	based on JFMA criteria			a	
(2) S	(2) Selective requirement							
Reso e savi	ouc Operating oil	Total consumption	10% or more reduced		100%			
Enviro	Safety	Safety sta	andard	0				
ent conser	Hazardous materials	JFMA cr	iteria		0			
ion	EMC	Applicable re	egulation		0			
Mi	inimum selective	3 items o	r more	4 items				
(3	Recommendation requirement	Names of equipped devices/functions	Summ	Summary of effects on environmental burden reduction				
ctor	Energy saving, durability, long life,	Idling stop	Reduce standby power by cutting off the power inside the contropanel during idling stop.				the control	
nt fa	display/management environment info.,	of AMNC4ie	Identify workers and switch to screens that match their skills					
nme	wibration/noise,	Eco Machine	Display of CO2 emission					
>	emission (atmosphe soil)	e, assist gas control				itrol		
<u> </u>	ouii)	i-CAS	The function to easily layout and cut out leftover materials					
Minin	num recommendatio	3 items or more		5 items				

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IVII -DUZZ(Z/J)							
Certification number & Registered product		tion number	Fiber Laser Cutting		Product scope	VENTIS-Aje series	
Registered company		red company	AMADA CO.	ADA CO. LTD.		VENTIS3015AJe /4020Aje(4kW,6kW)	
Production of criteria-base product			May, 2013		Criteria-base product	LCG3015AJ	
		rements & ment factors	Evaluation item	Criteria	Evaluat	ion resu	ılt and/or remarks
(1) Es	ssentia	al requirement			VEN	IT I S 3 0 1 5	5AJe/4020Aje
	Total e	energy consumpti	on		4kW vs LCG305NT(3		6kW vs LCG305NT(3.5kW)
Ene	ergy	Energy	Deduction ratio	20% or more reduced	69%		51%
sav	/ing	consumption	Reduction ratio		base	ed on J	IFMA criteria
(0) C	م داده داد						
` ,		e requirement		10% or more			
	Resouce Operating oil		Total consumption	reduced		100%	
	Safe		Safety stand	ndard			0
Enviro conse	nment rvation	Hazardous materials	JFMA criteria		0		
		EMC	Applicable regu	0			
M	Minimum selective requirement		3 items or m	nore	4 items		ems
(3) Re	commer	ndation requirement	Names of equipped devices/functions	Summary of effects on environmental burden re		al burden reduction	
_	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)		Idling stop	Reduce standby power by cutting off the power inside t control panel during idling stop.			the power inside the
facto			AMNC4ie	Identify workers and switch to screens that match their skills			
Environment factor			Eco Machine	Display of CO2 emission			
:nviro			assist gas control	Reducing power consumption through assist gas control			h assist gas control
			i-CAS	The function to easily layout and cut out leftover materials			
Minimum recommendation requirement			3 items or more	5 items			

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- , * e 12kW) kW)				
12kW) kW)				
ks				
W vs 015NT				
1%				
W				
W vs 015NT				
<u>5</u> %				
umption				
n				
Reduce standby power by cutting off the power inside the control panel during idling stop.				
Identify workers and switch to screens that match their skills				
Display of CO2 emission				
Reducing power consumption through assist gas control				
The function to easily layout and cut out leftover materials				
5 items				

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Certification number & Registered product		MF-B022(4/5) Fiber Laser Cutting Machine		Product scope	ENSIS-AJ Series		
Registered company		AMADA CO	O. LTD.	Certified product	ENSIS3015AJ		
Production of criteria-base product		April, 2	015	Criteria-base FOM2 3		-	
	uirements & nment factors	Evaluation item	Criteria	Evalua	ation result and/or remarks		
(1) Esser	ntial requireme	nt					
Energy	Energy	Reduction ratio	20% or more reduced	86.8%		%	
saving	consumption	Reddellon fallo		based on JFMA criteria			
(2) Selective requirement							
Resouce saving	Operating oil	Total consumption	10% or more reduced		100%		
	Safety	Safety sta	ndard	dard			
Environment conservation	Hazardous materials	JFMA criteria		0			
	EMC	Applicable re	gulation	0			
-	ım selective uirement	3 items or	more	4 items			
(3) Recommendation requirement Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)		Names of equipped Fiber Laser oscillator Fiber Laser oscillator Fiber Laser processing Latest processing	The power of the oil reductiviting The productiviting The productivity	effects on environmental burden reduction consumption reduction and the activation time abridgment on for the blower in the oscillator. ty improvement and the running cost reduction			
Minimum recommendation requirement		technology 3 items or more	Best beam cor	am control's high-speed processing 4 items			

Remarks:

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Certification number & Registered product		MF-B022 Fiber Laser Mach	Cutting Product scope VEN		VENTIS-AJ Seri	VENTIS-AJ Series		
Registered company		AMADA CO	O. LTD.	Certified product	VENTIS3015A	J		
Production of criteria-base product		April, 2	018	Criteria-base product	LCG3015AJ			
Requirements & Environment factors		Evaluation item	Criteria	Evalua	Evaluation result and/or remarks			
(1) Ess	sential requireme	nt						
Energy saving	,	Reduction ratio	20% or more reduced	33.6%		%		
Saving	g consumption		reduced	bas	sed on JFMA criteria			
(2) Sel	(2) Selective requirement							
	Safety	Safety sta	ndard	0				
Environme conservati		JFMA criteria		0				
	EMC	Applicable re	gulation	0				
Minimum selective requirement		3 items or	more	3 items				
. ,	ecommendation equirement	Names of equipped	Summary of	effects on environmental burden redu				
اما	nergy saving, urability, long life, Locus Beam Contorol		The control tec the optimal	chnique in the t	rack for where the laser b	eam is		
t of	splay/management environment info., oration/noise,	Productivity Mode	The high-speed processing of the middle board-thickness of SUS, and Aluminium					
er (a	emission (atmosphere, soil) Kerf Widtl control m		It realizes stable processing in expanding Kerf Width.					
	, ,	Quality mode	It realizes high	quality proces	sing.			
	m recommendation requirement	3 items or more	4 items					

Remarks: