Registered Date: July 2, 2009 Revised: December 11, 2012 Revised: December 1, 2015 Revised: December 4, 2018 Revised: October 30, 2020

Registered product name Registered name of corporation Reduction time of reference model Requirements and environmental factors Requirements and environmental factors Requirement and environmental requirement Reduction ratio Reduction ratio Reduce more than 20% Reduce more than 20% Reduce more consumption Reduce more than 20% Resource Saving Res							Revised: October 30, 2020
Requirements and environmental factors Reduction ratio Energy saving varing with saving Safety Saving Sav	Certified registration no. & registered product name						Twister TFP510
Requirements and environmental factors (1) Essential requirement Energy saving	Registered name of corporation			Komatsu Industries Corp.			
Criteria Evaluation terms Criteria Crit	Production time of reference model			September, 2000			
Energy saving Consumption Reduction ratio Reduce more than 20% Based on JFMA standard TFP510 vs KPD1251 TFP510 vs KPD1251 TFP510 vs KPD1251 Safety Consumption Reduce more than 20% Under JFMA standard, reduced power consumption per 1m cut length in loading operation Resource saving Weight saving Gross weight Conservation Safety Safety standard Apply set standard Minimum selective requirement TREP510 vs KPD1251 TWISTON WEIGHT STANDARD ST	Requirements and environmental factors			Evaluation items		Evaluation result and/or remarks	
Reduction ratio Reduction Reduction ratio Reduction ratio Reduction ratio Reduction Reduction ratio Reduction Reduction Reduction Reduction ratio Reduction Reduction Reduction Reduction Reduction ratio Reduction	(1) E	ssen	itial requirement			TFP510 vs KPD1251	
(2) Selective requirement Energy saving Consumption Energy saving Consumption Energy saving Consumption Resource saving Environment Conservation Safety Safety standard Minimum selective requirement Safety Safety standard Apply set standard Apply set standard Apply set standard Apply set standard Minimum selective requirement (3) Recommended requirement Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) Environment info., vibration/noise and emission (air/soil) Environment info., vibration/noise and emission (air/soil) Reduce more than 20% Reduce more than 10% Apply set standard X Summary of environmental load reduction Environment in life of consumable Environment load reduction, light-weighted cutting machine Environment load reduction, light-weighted cutting machine Reduce more than 20% Summary of environmental load reduction for power consumption Reduce more than 20% Environment on the province of the provinc		٠.	·	Reduction ratio		32%	
Energy saving	sav	ing consumption			than 20%	Based on JFMA standard	
Energy saving Consumption Resource saving Safety Safety Safety standard Minimum selective requirement (3) Recommended requirement Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) Environment consumption Loaded power than 20% Reduce more than 10% Apply set standard Apply set standard Apply set standard Summary of environmental load reduction Environment info., vibration/noise and emission (air/soil) Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil)	(2) Selective requirement					TFP510 vs KPD1251	
Resource saving Weight saving Gross weight Reduce more than 10% X	٠.			•		Under JFMA standard, reduced power consumption per 1m cut length in loading	
Safety S			Weight saving	Gross weight		'	X
Summary of environmental load reduction			Safety	Safety standard	Apply set		Х
(3) Recommended requirement Energy saving, durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) Name of function/device Summary of environmental load reduction Improvement in life of consumable Environment in life of consumable Environment load reduction, light-weighted cutting machine CD display control panel Reduction of power consumption	Minimum selective requirement			3 items or more		3 items	
durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) durability, long life, displaying/controlling environment info., vibration/noise and emission (air/soil) Twister gas control improvement in the or consumation Environment load reduction, light-weighted cutting machine LCD display control panel Reduction of power consumption	(3) Recommended requirement		mmended		Summary of environmental load reduction		
displaying/controlling environment info., vibration/noise and emission (air/soil) Push-pull fume/dust collecting system machine CD display control panel Push-pull fume/dust collecting system machine	a	Energy saving, durability, long life, displaying/controlling		Twister gas control	Improvement in life of consumable		
vibration/noise and emission (air/soil) vibration/noise and emission (air/soil) Life manager Reduction of power consumption Displaying consumable exchange timing	a			Push-pull fume/dust	, 5		
Life manager Displaying consumable exchange timing	onmenta ctor	displ		collecting system			, , , , , , , , , , , , , , , , , , , ,
	Environmental factor	displ envii vibra	ronment info., ation/noise and	collecting system LCD display control	machine		