Registered: December 11, 2012

Revised: March 12, 2013

Revised: December. 2, 2014

Revised: June. 2, 2015

Revised: December 1, 2015

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Certified registration no. & registered		MF-P007		Product Scope		Hybrid AC Servo Press H1F35,45,60,80,110-2,150-2,200-2					
product name		Mechanical Servo		•		1111 00,70,00,00,110-2,100-2,200-2					
Registered name of corporation		Komatsu Industries Corp.		Certified product		H1F35/45/60/80/110-2/150-2/200-2					
Reference model & Production time		OBS35(-),OBS45 (-),OBS60(-) OBS80 (-), OBS110-2 (-), OBS150 (-), OBS200 (-)									
Requirements & environment factors		Evaluation item	Evaluation criteria	I Evaluation result and/or remarks							
(1) Essentia	l requirem	nent	H1F vs OBS	H1F35 vs OBS35	H1F45 vs OBS45	H1F60 vs OBS60	H1F80 vs OBS80	H1F110-2 vs OBS110	H1F150-2 vs OBS150	H1F200- 2 vs OBS200	
Energy saving	Energy consum	Reduction ratio	Reduce more than	58%		25%	33%	57%	37%	49%	
Javing	ption		15%	based on JFMA criteria							
(2) Selective requirement			H1F vs OBS	H1F35 vs OBS35	H1F45 vs OBS45	H1F60 vs OBS60	H1F80 vs OBS80	H1F110-2 vs OBS110	H1F150-2 vs OBS150	H1F200- 2 vs OBS200	
Resources saving	Compactification	Number of air/ hydraulic parts	10% or more reduced	X	X	X	χ	X	X	X	
	Air	Total consumption	10% or more reduced	X	X	X	X	X	X	X	
Environment conservation	Safety	Safety standard	Applicable set standard	X	X	X	χ	X	X	X	
Minimum selective requirement		3 items or	more 3 items								
(3) Recommendation requirement		Names of equipped devices/functions	Summary of effects on environmental burden reduction								
Energy saving, durability, long life, display/manageme nt of environment info., vibration/noise, emission (atmosphere, soil)		Stop monitor function	Constantly monitors inclination at the time of stop by the brake.								
		Powerful mechanical brake	holds brake torque, exceeding the maximum torque of main motor.								
		Small capacity servo motor	Adoption of link mechanism enables smaller capacity of servo motor.								
		Photoelectric safety device	Equipped as the standard equipment								
		Elimination of clutches	No wear and tear of lining enables longer life.								
Minimum requirement		3 items or more	5 items								

Remarks;

- (1) Revised on March 12, 2013: addition of 2 items (H1F35,60)
- (2) Revised on December 8, 2014: change of 1 items (H1F200-2)
- (3) Revised on June 2, 2015: change of 1 items (H1F150-2)