

Certified registration no. & registered product name		<b>MF-P007 Mechanical Servo Press</b>		Product Scope	Hybrid AC Servo Press H1F35, 45, 60, 80, 110, 150, 200				
Registered name of corporation		Komatsu Industries Corp.		Certified product	H1F35/45/110/200				
Reference model & Production time		OBS35 (Jun, '09), OBS45 (Aug, '08), OBS110 (Apr, '09), OBS200 (Mar, '08)							
Requirements & environment factors		Evaluation item	Evaluation criteria	Evaluation result and/or remarks					
(1) Essential requirement			H1F vs OBS	35 vs 35	45 vs 45	110 vs 110	200 vs 200	Others	
Energy saving	Energy consumption	Reduction ratio	Reduce more than 10%	<b>39%</b>	<b>11%</b>	<b>44%</b>	<b>10%</b>	<b>TBR</b>	
				based on JFMA criteria					
(2) Selective requirement			H1F vs OBS	35 vs 35	45 vs 45	110 vs 110	200 vs 200	Others	
Resources saving	Compactification	Number of air/hydraulic parts	10% or more reduced	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	
	Air	Total consumption	10% or more reduced	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	
Environment conservation	Vibration/Noise	Vibration when loaded	3dB or more reduced	-	-	-	-	-	
		Noise when loaded	3dB or more reduced	-	<b>X</b>	<b>X</b>	-	-	
	Safety	Safety standard	Applicable set standard	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	
Minimum selective requirement		3 items or more		<b>3 items</b>	<b>4 items</b>	<b>4 items</b>	<b>3 items</b>	<b>3 items</b>	
(3) Recommendation requirement		Names of equipped devices/functions	Summary of effects on environmental burden reduction						
Environment factor	Energy saving, durability, long life, display/management 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		<b>5 items</b>					

Note:

(1) 3 models (H1F35, 150 and 200) were added on July 2, 2009.