

ITC ServoPress Comparison



SP75

SP150

SP150 Compact

Max Height	1676mm (66 in.)	2819mm (111 in.)	1603mm (63.1 in.)
Max Width	1270mm (50 in.)	4013 mm (158 in.)	1977mm (77.8 in.)
Max Depth	711mm (28 in.)	3657mm (144 in.)	880mm (34.7 in)
Max Die Width	457mm (18 in.)	726mm (28.6 in.)	Distance between columns 216mm (8.5 in)
Max Die Depth	482mm (19 in.)	787mm (31 in.)	Distance between columns 216mm (8.5 in)
Max Opening Height	406mm (16 in.)	609mm (24 in.)	193mm (7.6 in.)
Weight	1270 Kg (2800 lbs. w/o HPS)	3855 Kg (8500 lbs. w/o HPS)	2900Kg
Clamp Force (static)	330 kN (37.5 ton)(75 Kip)	667kN (75 ton) (150 Kip)	667kN (75 ton) (150 Kip)
Clamp Stroke	300mm (12 in.)	380mm (14.9 in.)	170mm (6.69 in.)
Clamp Velocity (no load) ¹	13.4mm/sec. (0.53 in./sec.)	280mm/s (11 in./sec.)	0-750mm/minute
Clamp Control Modes	Position & Force	Position & Force	Position & Force
Punch Force	257 kN (29 ton)(58 Kip)	511kN (57 ton) (115 Kip)	667kN (75 ton) (150 Kip)
Punch Stroke	300mm (12 in.)	380mm (14.9 in.)	200mm (7.87 in.)
Punch Velocity (no load) ¹	17mm/sec. (0.67 in./sec.)	400mm/s (15.7 in./sec.)	0-750mm/minute
Punch Control Modes	Velocity & Force	Velocity & Force	Velocity & Force
Minimum Digital Display for Stroke	0.01mm/0.001 in.	0.01mm/0.001 in.	0.01mm/0.001 in.
Minimum Digital Display for Force	0.01kN/0.001 tons	0.01kN/0.001 tons	0.01kN/0.001 tons
HPS Oil	30 gal. (113.5 L) reservoir, ISO 46 or DTE 25	100 gal. (378 L) reservoir, ISO 46 or DTE 25	20 gal. (75.7L) reservoir, ISO 46 or DTE 25
HPS Cooling	5 gpm (19Lpm) of 70° F (21° C) water	5 gpm (19Lpm) of 70° F (21° C) water	5 gpm (19Lpm) of 80° F (26.6° C) water
HPS Flow	3.5 gpm @ 3000 psi	12.5 gpm @ 3000 psi	7.5 gpm @ 3000 psi
HPS Power Requirements ²	20A @ 460VAC, 3 phase, 60Hz	60A @ 460VAC, 3 phase, 60Hz	(See below)
Electrical Box Power ²	15A @ 120VAC, 1 phase, 60Hz	15A @ 240VAC, 1 phase, 60Hz	35A @ 460VAC, 3 phase, 60Hz

¹ Actuator velocities are reduced when loaded. ² Other power options are available.

ITC ServoPress Comparison



SP225

SP225 Compact

Max Height	2819mm (111 in.)	1736mm (68.4 in.)
Max Width	5080mm (200 in.)	1978mm (77.9 in.)
Max Depth	5514mm (217.1 in.)	880mm (34.7 in.)
Max Die Width	726mm (28.6 in.)	Distance between columns 330mm (12.9 in.)
Max Die Depth	965mm (38 in.)	Distance between columns 330mm (12.9 in.)
Max Opening Height	711mm (28 in.)	195mm (7.7 in.)
Weight	6577 Kg (14,500 lbs. w/o HPS)	3720Kg
Clamp Force (static)	1000kN (112 ton) (225 Kip)	1000kN (112 ton) (225 Kip)
Clamp Stroke	380mm (14.9 in.)	177mm (6.9 in.)
Clamp Velocity (no load) ¹	200mm/s (7.87 in./sec.)	0-480mm/minute
Clamp Control Modes	Position & Force	Position & Force
Punch Force	1000kN (112 ton) (225 Kip)	1000kN (112 ton) (225 Kip)
Punch Stroke	380mm (14.9 in.)	254mm (10 in.)
Punch Velocity (no load) ¹	200mm/s (7.87 in./sec.)	0-480mm/minute
Punch Control Modes	Velocity & Force	Velocity & Force
Minimum Digital Display for Stroke	0.01mm/0.001 in.	0.01mm/0.001 in.
Minimum Digital Display for Force	0.01kN/0.001 tons	0.01kN/0.001 tons
HPS Oil	100 gal. (378 L) reservoir, ISO 46 or DTE 25	20 gal. (75.7L) reservoir, ISO 46 or DTE 25
HPS Cooling	5 gpm (19Lpm) of 70° F (21° C) water	5 gpm (19Lpm) of 80° F (26.6° C) water
HPS Flow	12.5 gpm @ 3000 psi	7.5 gpm @ 3000 psi
HPS Power Requirements ²	60A @ 460VAC, 3 phase, 60Hz	(See below)
Electrical Box Power ²	15A @ 240VAC, 1 phase, 60Hz	35A @ 460VAC, 3 phase, 60Hz

¹ Actuator velocities are reduced when loaded. ² Other power options are available.

ITC ServoPress Comparison



SP400



SP600

Max Height	1981.2mm (78 in.)	3073mm (121 in.)
Max Width	4140.2mm (163 in.)	5308mm (209 in.)
Max Depth	3378.2mm (133 in.)	6604mm (260 in.)
Max Die Width	438mm (17.25 in.)	873mm (34.38 in.)
Max Die Depth	850.9mm (33.50 in.)	1422mm (56 in.)
Max Opening Height	565.1mm (22.25 in.)	939mm (37 in.)
Weight	3810 kg (8400 lbs.)	13,840 Kg (30,500 lbs. w/o HPS)
Clamp Force (static)	1800kN (183.5 ton)	2665 kN (300 ton) (600 kip)
Clamp Stroke	203.2mm (8.0 in.)	609mm (24 in.)
Clamp Velocity (no load) ¹	25mm/sec. (1.0 in./sec.)	76mm/sec. (3.0 in./sec.)
Clamp Control Modes	Position & Force	Position & Force
Punch Force	1000kN (112 ton)	2046 kN (230 ton)
Punch Stroke	330.2mm (13.0 in.)	609mm (24 in.)
Punch Velocity (no load) ¹	50mm/s (1.96 in.)	100mm/sec. (3.9 in./sec.)
Punch Control Modes	Velocity & Force	Velocity & Force
Minimum Digital Display for Stroke	0.01mm/0.001 in.	0.01mm/0.001 in.
Minimum Digital Display for Force	0.01kN/0.001 tons	0.01kN/0.001 tons
HPS Oil	100 gal. (378 L) reservoir, ISO 46 or DTE 25	100 gal. (378 L) reservoir, ISO 46 or DTE 25
HPS Cooling	5 gpm (19Lpm) of 70° F (21° C) water	5 gpm (19Lpm) of 70° F (21° C) water
HPS Flow	12.5 gpm @ 3000 psi	12.5 gpm @ 3000 psi
HPS Power Requirements ²	60A @ 460VAC, 3 phase, 60Hz	60A @ 460VAC, 3 phase, 60Hz
Electrical Box Power ²	15A @ 240VAC, 1 phase, 60Hz	15A @ 240VAC, 1 phase, 60Hz

¹ Actuator velocities are reduced when loaded. ² Other power options are available.