

COLE-TUVE C-Frame Presses are constructed of robust steel weldments to provide highly stable frames to which are coupled low-pressure, high-quality hydraulic systems with large cylinders and chrome plated and ground pistons for long service. The presses are available in 33, 66, 110, and 165 ton capacities. All high-speed models and high-speed models with cushion are equipped with two powered guide pistons in addition to the main cylinder, other models have four non-powered guide posts. Both assure proper alignment of the ram throughout the stroke. Dual V-ways are optional for the guiding system. Both the ram and the lower bolster plate are designed to accept large dies; and both have well-placed holes and "T" slots for easy mounting of accessories.

Additionally, the generous daylight and long stroke make the machines adaptable for a wide range of uses. The hydraulic system is state-of-the-art with appropriately-sized motors and controls. Check valves protect against overload. The controls are conveniently located on a small console on a trailing lead. Emergency stop control is standard. Electrics are 3/60/220 or 3/60/440, with low voltage at the control. Special electrics are available according to customer requirements. Cushions are available on some models; and stroke, speeds of stroke and daylight can be modified according to customer requirements.

Specifications: STANDARD-SPEED MODELS *Models CF-33, CF-66, CF-110 & CF-165*

- Welded steel construction
- Manual and automatic operation with two-hand control panel
- Programmable Logic Control provides stepless stroke adjustment
- Hydraulic systems use components from world-renowned companies such as Rexroth, Bosch, Parker
- Electrics are from world-renowned companies: Telemecanique or Siemens
- Ram is equipped with lubricant-free slide system
- "T" slots in the ram and bed
- Safety cage at work area
- CE Certification



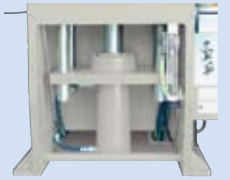
Specifications: HIGH-SPEED MODELS *Models CF-33-HS, CF-66-HS, CF-110-HS & CF-165-HS*

- Welded steel construction
- Manual and automatic operation with two-hand control panel
- Programmable Logic Control provides stepless stroke adjustment
- Hydraulic systems use components from world-renowned companies such as Rexroth, Bosch, Parker
- Electrics are from world-renowned companies: Telemecanique or Siemens
- Ram is equipped with lubricant-free slide system
- "T" slots in the ram and bed
- Safety cage at work area
- CE Certification



Specifications: MODELS WITH CUSHION *Models CF-33-CN, CF-66-CN, CF-110-CN & CF-165-CN*

- Welded steel construction
- Manual and automatic operation with two-hand control panel
- Programmable Logic Control provides stepless ram stroke adjustment
- Stepless cushion stroke adjustment
- Precision adjustment of cushion pressure
- Hydraulic systems use components from world-renowned companies such as Rexroth, Bosch, Parker
- Electrics are from world-renowned companies: Telemecanique or Siemens
- Ram is equipped with lubricant-free slide system
- "T" slots in the ram and bed
- Safety cage at work area
- CE Certification



TECHNICAL DATA	UNIT OF MEASURE	STANDARD-SPEED MODELS				HIGH-SPEED MODELS				MODELS WITH CUSHION				UNIT OF MEASURE
		MODEL CF-33	MODEL CF-66	MODEL CF-110	MODEL CF-165	MODEL CF-33-HS	MODEL CF-66-HS	MODEL CF-110-HS	MODEL CF-165-HS	MODEL CF-33-CN	MODEL CF-66-CN	MODEL CF-110-CN	MODEL CF-165-CN	
Press Power	US Tons	33	66	110	165	33	66	110	165	33	66	110	165	US Tons
Stroke, Adjustable To	In.*	7.8	9.8	11.8	11.8	7.8	9.8	11.8	11.8	11.8	13.7	19.6	19.6	In.*
Working Pressure	PSI	3538	3422	3814	3538	2320	2465	3480	3683	2320	2465	3480	3683	PSI
Ram Speeds - Advance	In./Min.*	127	61	41	23	236	236	236	236	236	236	236	236	In./Min.*
- Press	In./Min.*	42	20	13	8	42	23	19	13	42	23	19	13	In./Min.*
- Return	In./Min.*	212	111	87	52	390	390	390	390	390	390	390	390	In./Min.*
Throat Height	In.*	15.7	17.7	19.6	19.6	17.7	19.6	21.6	21.6	21.6	23.6	29.5	29.5	In.*
Throat Depth	In.*	7.8	9.8	10.2	10.2	8.6	9.4	11.8	12.6	8.6	9.4	11.8	12.6	In.*
Bed Dimensions L-R x F-B	In.*	27.5 x 17.7	29.5 x 19.7	43.3 x 23.6	43.3 x 27.5	35.4 x 23.6	39.3 x 23.6	43.3 x 27.5	47.2 x 29.5	35.4 x 23.6	39.3 x 23.6	43.3 x 27.5	47.2x 29.5	In.*
Ram Face Dimensions L-R x F-B	In.*	19.6 x 14.9	19.6 x 16.9	26.7 x 16.5	29.5 x 19.6	31.5 x 19.6	33.4 x 21.6	35.4 x 23.6	37.4 x 25.5	31.5 x 19.6	33.4 x 21.6	35.4 x 23.6	37.4 x 25.5	In.*
Hole In Bed, Round	Dia., In.*	3.1	3.9	4.7	4.7	3.1	3.9	4.7	4.7	3.1	3.9	4.7	4.7	Dia., In.*
Cushion Power	US Tons	-	-	-	-	-	-	-	-	13.4	26.9	33.7	44.9	US Tons
Cushion Stroke	In.*	-	-	-	-	-	-	-	-	5.9	5.9	7.87	7.87	In.*
Cushion Return Speed	In./Min.*	-	-	-	-	-	-	-	-	236	153	123	94	In./Min.*
Cushion Work Area	In.	-	-	-	-	-	-	-	-	9.8 x 9.8	11.8 x 11.8	15.7 x 27.5	21.2 x 28.3	In.
Cushion Pressure	PSI	-	-	-	-	-	-	-	-	1885	2262	2465	2320	PSI
Motor Power	HP	7	7	10	10	10	10	14	14	10	10	14	14	HP
Pump - Flow	Gal./Min.	10.5	10.5	10.5	10.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	Gal./Min.
Oil Tank Capacity	Gal.	39	52	79	89	55	71	92	92	55	71	92	118	Gal.
Programmable Logic Control	PLC	Included	Included	Included	Included	Included	Included	Included	Included	Included	Included	Included	Included	PLC
Dimensions, LxWxH (approx.)	In.	67 x 34 x 89	72 x 38 x 95	53 x 51 x 109	91 x 55 x 109	65 x 60 x 109	66 x 60 x 113	86 x 63 x 124	88 x 63 x 144	66 x 60 x 113	66 x 60 x 119	86 x 63 x 132	88 x 63 x 152	In.
Weight (approx.)	Lbs.	6490	8800	11880	16940	10340	11660	14300	18040	13200	15400	20460	22000	Lbs.

* Specifications marked with an asterisk can be modified on request; additional cost may apply. All data are approximate; and data and design are subject to correction or change without prior notice. CE Certification indicates machines are certified for meeting rigid international standards of design, production and quality. 10/22/09