

3. Characteristic data

3.1. Machine data / Environmental conditions

Manufacturer:	WILHELM FETTE GMBH
Model:	FETTE PT3090
Name plate:	Behind the lower left flap
Operating voltage:	400 V, 50/60 Hz, 3 Ph
Power consumption:	18 / 21 KW
max. pressuring force:	100 (120) kN
max. prepressuring force:	100 (120) kN
Pitch circle diameter:	680 mm
Top punch insertion depth:	2 – 4 (8/12) mm
Projected floor area:	1370 x 1370 mm
Net weight of the machine:	4800 kg
Height of the machine:	
Standart machine:	2007 mm / 2059 mm
Raised height (H)	2192 mm / 2352 mm

Environmental conditions :

Relative Humidity (not condense)	5 – 95 %
Temperature switch cabinet	0 – 25 °C
Temperature Operating – Terminal	0 – 25 °C
Temperature Machine	5 – 35 °C

General data PT3090
Raised Height

Number of Punch stations		37	37	27	27	27
Punch typ		EU35/30	EU35/40	EU45/30	EU45/40	EU45/50
Tablet output per/h	min max	26.640 177.600	26.640 177.600	19.440 194.400	19.440 194.400	19.440 194.400
Max. compr. force	kN	100 (120)	100 (120)	100 (120)	100 (120)	100 (120)
Max. pre-compr. force	kN	100 (120)	100 (120)	100 (120)	100 (120)	100 (120)
Max. tablet dia.	mm	34	34	44	44	44
Max. depth of fill	mm	1-28	13-40	1-28	13-40	23-50
Max. tablet thickness	mm	(0.5) 4-19	(0.5) 9.5-30	(0.5) 4-19	(0.5/5.5) 9.5-30	(3.5/15.5) 19.5-30
Pitch circle dia.	mm	680	680	680	680	680
Die plate speed	rpm	6-40	6-40	6-40	6-40	6-40
Die plate dia.	mm	52	52	72	72	72
Die plate height	mm	36	45	36	45	60
Punch shank dia.	mm	35	35	45	45	45
Punch length	mm					
upper		188,6	188,6	188,6	188,6	188,6
lower		262,6	250,6	262,6	250,6	240,6
Upper punch penetr. depth	mm	1-4 (8)	1-4 (8)	1-4 (8/12)	1-4 (8/12)	1-4 (8/12)
Weights	Tablet press approx. 4800 kg – control rack 100 kg – switch cabinet approx. 350 kg					
Power supply data	Service voltage 400 V, 50/60 Hz, 3 Ph total fuse protection 32A – power requirement approx. 21 kW					

3.2. General data PT3090

standart

Number of Punch stations		79	73	61	49	49	37
Punch typ		EU19	EU19 (PT 19)	EU 19 (PT 19)	EU 1* (PT 1*)	EU 1* -441	EU 35
Tablet output per/h	min max	284.400 1.004.680	131.400 700.800	109.800 585.600	88.200 470.400	88.200 470.400	66.000 355.200
Max. compr. force	kN	100*	100	100	100	100	100
Max. pre-compr. force	kN	100*	100	100	100	100	100
Max. tablet dia.	mm	11	13	16	25	25	34
Max. depth of fill	mm	18	18	18	18	18	18(22)
Max. tablet thickness	mm	8,5	8,5	8,5	8,5	8,5	8,5(11)
Pitch circle dia.	mm	680	680	680	680	680	680
Die plate speed	rpm	30-106	15-80	15-80	15-80	15-80	15-80
Die plate dia.	mm	22	24	30,16	38,1	38,1	52
Die plate hight	mm	22,22	22,22	22,22	23,8	23,8	30
Punch shank dia.	mm	19	19	19	25,35	25,35	35
Punch length	mm	133,6 (133,35)	133,6 (133,35)	133,6 (133,35)	133,6 (133,35)	133,6	133,6
Upper punch penet. depth	mm	2-4 (8)	2-4 (8)	2-4 (8)	2-4 (8)	2-4 (8)	2-4 (8)
Weights	Tablet press approx. 4800 kg - control rack 100 kg - switch cabinet approx. 350 kg						
Power supply data	Service voltage 400 V, 50/60 Hz, 3 Ph total fuse protection 32A - power requirement approx. 16 kW						

*Tools only allow 70 kN max.

Experience has shown that the large outputs cannot be run in the case of large tools and depth of fill.