

3. Characteristic data

3.1. Machine data / Environmental conditions

Manufacturer :	FETTE GmbH
Model :	3090i
Name plate :	Behind the machine housing panelling
Operating voltage* :	3Ph+PE, 400V, 50/60 Hz
Power consumption (approx.) :	16 KW
total fuse protection :	63 A
Compressed–air supply : (maximum) for a $\varnothing = 9$ mm inlet pipe	6 bar (10 bar)
Air volume flow (minimum) :	5 dm ³ /s
Projected floor area :	1390 x 1390 mm
Height of the machine : (with filling hopper)	2007 mm (2059 mm)
Net weight of the tablet press :	4800 kg
Weight of the control terminal :	100 kg
Weight of the switch cabinet :	350 kg
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

* see chapter 4.6 "Supply connections" for more details.

3.2. General data 3090i

standard

Number of stations		79	73	61	49	49	37
Punch typ		EU19 (IPT/TSM 19) BBS	EU19 (IPT/TSM 19) BB	EU 19 (IPT/TSM 19) B	EU 1" (IPT/TSM 1") D	EU 1" -441	EU 35
Tablet output	min	284.400	131.400	109..800	88.200	88.200	66.600
per/h	max	1.004.880	700.800	585.600	470.400	470.400	355.200
Max. 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 cicle dia.	mm	680	680	680	680	680	680
Die plate speed	1/min	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 penetration depth	mm	2 – 4(8)	2 – 4(8)	2 – 4(8)	2 – 4(8)	2 – 4(8)	2 – 4(8)

* 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.

General erection drawing

