

Technische Daten / Technical data

Dieß- und Spritzaggregare sind variabel kombinierbar.
amping and injection units can be combined variably.

e-max

Größen von 500 kN bis 1800 kN
Sizes from 500 kN to 1800 kN

Größenbezeichnung ¹ zeichnungen	Internatsize designation ¹ Machine designations		500-50		500-80		750-200		1000-310		1800-440	
	Injection unit		EMX 50/50	EMX 80/50	EMX 200/75	EMX 310/100	EMX 440/180	EMX 50	EMX 50	EMX 75	EMX 100	EMX 180
Druckmesser	Screw diameter	mm	15/18/20	18/22	25/30	30/35	35/40	58/84/104	56/84	109/157	157/214	171/224
Druck	Screw stroke	mm	80	100	120	160	175	200/200	220/200	2400/2000	2400/2000	2400/1950
Druck erhöht	Max. injection capacity	cm ³	14/20/25	25/38	59/85	113/154	168/220	225 · 28	225 · 28	220 · 28	225 · 28	305 · 28
Düsenanpresskraft	Screw speed	min ⁻¹	450	450	400	420	420	4.3/5.0/5.8	5.5	6.9/5	9.2	9.2
enlänge (3-Zonen)	LD ratio (3 zone screw)	g/sec	24	22.5/18.7	24.8/20.5	23.6/20	20	200 · 20	225 · 28	220 · 28	225 · 28	305 · 28
enlänge (3-Zonen)	Recovery rate (3-zone screw) ^{2, 3, 4}	g/sec	2.9/4.2/6.0	3.5/7.4	10.0/14.2	14.7/22.1	22.1/33.6	58/84/104	56/84	109/157	157/214	171/224
enlänge Barriere ⁵	Recovery rate (barrier screw) ⁵ · 4, 5	g/sec	58/84/104	56/84	109/157	157/214	171/224	2400/2400/2000	2200/2000	2400/2000	2400/2000	2400/1950
ung Barriere ⁶	Recovery rate (regenerative) ⁵	cm ³ /sec	2400/2400/2000	2200/2000	2400/2000	2400/2000	2400/1950	200 · 20	225 · 28	220 · 28	225 · 28	305 · 28
ung Barriere ⁶	Injection pressure (max)	bar	200 · 20	225 · 28	220 · 28	225 · 28	305 · 28	4.3/5.0/5.8	5.5	6.9/5	9.2	9.2
ung Barriere ⁶	Injection pressure (regenerative)	bar	200 · 20	225 · 28	220 · 28	225 · 28	305 · 28	4	4	4	4	4
ung Barriere ⁶	Nozzle stroke • Nozzle cont. pressure	mm • kN	4.3/5.0/5.8	5.5	6.9/5	9.2	9.2	4	4	4	4	4
ung Barriere ⁶	Heating zones incl. nozzle ⁷	kW	4	4	4	4	4	4	4	4	4	4
ung Barriere ⁶	Heating zones incl. nozzle ⁷	kW	4	4	4	4	4	4	4	4	4	4
ung Barriere ⁶	Clamping unit	KN	EMX 50	EMX 50	EMX 75	EMX 100	EMX 180	500	500	750	1000	1800
ung Barriere ⁶	Opening stroke	mm	260	260	350	350	460	150 - 350	150 - 350	150 - 450	150 - 450	250 - 600
ung Barriere ⁶	mold height min-max	mm	150 - 350	150 - 350	150 - 450	150 - 450	150 - 600	520 x 470	520 x 470	650 x 600	650 x 600	760 x 775
ung Barriere ⁶	Total daylight max.	mm	520 x 470	520 x 470	650 x 600	650 x 600	760 x 775	370 x 320	370 x 320	460 x 410	460 x 410	520 x 520
ung Barriere ⁶	Platen size standard hor. x vert.	mm	370 x 320	370 x 320	460 x 410	460 x 410	520 x 520	480	480	1000	1000	1900
ung Barriere ⁶	Enlarged platen (Wide platen) h x v	mm	480	480	1000	1000	1900	5 x 10	5 x 10	5 x 10	5 x 10	6 x 10
ung Barriere ⁶	Dist. between the bars hor. x vert.	mm	100 · 22	100 · 22	100 · 24	100 · 24	130 · 37	1.2 · 230	1.2 · 230	1.45 · 320	1.45 · 320	1.8 · 320
ung Barriere ⁶	Drop out chute width	mm	1.2 · 230	1.2 · 230	1.45 · 320	1.45 · 320	1.8 · 320	480	480	1000	1000	1900
ung Barriere ⁶	Mold weight max. ⁸	kg	480	480	1000	1000	1900	5 x 10	5 x 10	5 x 10	5 x 10	6 x 10
ung Barriere ⁶	Number of mold cooling circuits	# x l/min	5 x 10	5 x 10	5 x 10	5 x 10	6 x 10	100 · 22	100 · 22	100 · 24	100 · 24	130 · 37
ung Barriere ⁶	Ejector stroke • Ejector force	mm • kN	100 · 22	100 · 22	100 · 24	100 · 24	130 · 37	1.2 · 230	1.2 · 230	1.45 · 320	1.45 · 320	1.8 · 320
ung Barriere ⁶	Dry cycle (Euromap 6) • stroke	sec • mm	1.2 · 230	1.2 · 230	1.45 · 320	1.45 · 320	1.8 · 320	12 *	11 *	14 *	16 *	27 *
ung Barriere ⁶	Rated drive power	kW	12 *	11 *	14 *	16 *	27 *	3.1	3.2	3.9	4.4	7.2
ung Barriere ⁶	Oil reservoir capacity	l	3.1	3.2	3.9	4.4	7.2	3.7 x 1.3 x 1.8	3.7 x 1.3 x 1.8	4.0 x 1.3 x 1.9	4.0 x 1.3 x 1.9	5.4 x 1.4 x 2.0
ung Barriere ⁶	Weight and Dimensions	to	ER-USP-5	ER-USP-5	ER-USP-5	ER-USP-5	ER-USP-5	ER-USP-5	ER-USP-5	ER-USP-5	ER-USP-5	ER-USP-5
ung Barriere ⁶	Net clamp./injec. unit (without oil fill)	m	3.7 x 1.3 x 1.8	3.7 x 1.3 x 1.8	4.0 x 1.3 x 1.9	4.0 x 1.3 x 1.9	5.4 x 1.4 x 2.0	viper 6, 12, 20	viper 6, 12, 20	viper 6, 12, 20	viper 6, 12, 20	viper 6, 12, 20, 40
ung Barriere ⁶	Length x width x height	m	viper 6, 12, 20	viper 6, 12, 20	viper 6, 12, 20	viper 6, 12, 20	viper 6, 12, 20, 40					
ung Barriere ⁶	ENGEL Robot											

¹ NI - max. Schussvolumen
 pritzdruck erhöht [bar]/1000
 styrol bis Spritzenheit 2550
 00
 00
 E ab Spritzenheit 3550
 00
 bei TM-Maschinen nach
 E nach ETR 10100
 Mente
 3 auf der beweglichen
 nung des Schwerepunkt-
 beweglicher-Platte siehe
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² Clamp force [kN] - Injection capacity [cm³] x
 Injection pressure max [bar]/1000
³ Data for GP55 up to injection unit 2550
 acc. ETR 10100
⁴ Data for HDPE from injection unit 3550 onward
 acc. ETR 10100
⁵ Data for PP for Tecorell machines acc.
 ETR 10100
⁶ Data for HDPE acc. ETR 10100
⁷ Theoretical values
⁸ for 3-zone screw length
⁹ of which max. 2/3 on the moving platen,
 determination of the distance of the center of
 gravity with respect to the moving platen see
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 * Option

Max. Einspritzstrom / Injection rate (cm³/sec) for High-Ausführung / for high execution **
 89/127/157 84/126 163/235 235/320 258/337
Max. Einspritzrate / Injection rate (cm³/sec) for Premium / for premium execution **
 141/203 114/171 221/318 326/444
 ** Option / Option