

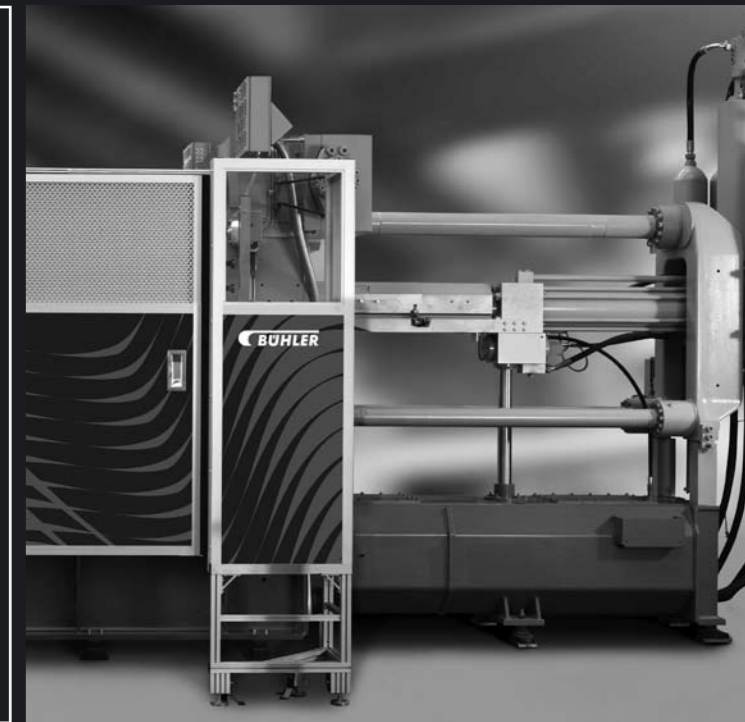


DC 60012 en 1208 1000.DF

## Technical data sheet.

Die casting machines.

## EVOLUTION & CARAT.



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	Shot unit												Closing unit									Machine type	
	Machine type	Injection force, dynamic	Injection force, intensified	Plunger diameter (min./max.)	Shot position	Plunger stroke	Shot weight (A) min. filling rate 60%	Shot weight (A) max. filling rate 60%	Max. projected area, plunger diameter min.	Max. projected area, plunger diameter max.	Max. projected area at 400 bar	Specific injection pressure min.	Specific injection pressure max.	Maximum locking force	Platen size (height/width)	Distance between tie bars	Die height (min./max.)	Die opening stroke	Ejector force	Ejector stroke	Machine weight		Machine dims. incl. safety gates (l x w x h)
		kN	kN	mm	mm	mm	kg	kg	cm <sup>2</sup>	cm <sup>2</sup>	cm <sup>2</sup>	bar	bar	kN	mm	mm	mm	mm	kN	mm	kg		m
EVOLUTION – 3 platens.	26 compact	137	373	50 – 85	0 ... -210	500	1.3	3.8	137	396	650	657	1900	2600	830 x 830	510 x 510	250 – 620	510	100, 150	120, 110	10,000	6.2 x 2.4 x 3.0	26 compact
	26 extended	192	530	60 – 100	0 ... -210	600	2.3	6.4	139	385	650	675	1874	2600	830 x 830	510 x 510	250 – 620	510	100, 150	120, 110	11,500	6.4 x 2.4 x 3.0	26 extended
	34 compact	137	373	50 – 85	0 ... -210	500	1.3	3.8	179	517	850	657	1900	3400	890 x 890	570 x 570	275 – 680	510	100, 150	120, 110	11,000	6.2 x 2.4 x 3.0	34 compact
	34 extended	192	530	60 – 100	0 ... -210	600	2.3	6.4	181	504	850	675	1874	3400	890 x 890	570 x 570	275 – 680	510	100, 150	120, 110	12,500	6.4 x 2.4 x 3.0	34 extended
	42 lean	137	373	50 – 85	-40 ... -250	500	1.3	3.8	221	639	1050	657	1900	4200	1000 x 1000	640 x 640	300 – 750	640	150, 225	145, 130	15,500	6.8 x 2.6 x 3.1	42 lean
	42 compact	192	530	60 – 100	0 ... -250	600	2.3	6.4	224	622	1050	675	1874	4200	1000 x 1000	640 x 640	300 – 750	640	150, 225	145, 130	16,000	7.0 x 2.6 x 3.1	42 compact
	42 extended	288	760	70 – 120	0 ... -250	700	3.6	10.7	213	625	1050	672	1975	4200	1000 x 1000	640 x 640	300 – 750	640	100, 225	145, 130	16,500	7.3 x 2.6 x 3.3	42 extended
	53 lean	137	373	50 – 85	-40 ... -250	500	1.3	3.8	279	806	1325	657	1900	5300	1080 x 1080	720 x 720	330 – 810	640	150, 225	145, 130	17,000	6.8 x 2.9 x 3.1	53 lean
	53 compact	192	530	60 – 100	0 ... -250	600	2.3	6.4	283	785	1325	675	1874	5300	1080 x 1080	720 x 720	330 – 810	640	150, 225	145, 130	18,000	7.0 x 2.9 x 3.1	53 compact
	53 extended	288	760	70 – 120	0 ... -250	700	3.6	10.7	268	789	1325	672	1975	5300	1080 x 1080	720 x 720	330 – 810	640	150, 225	145, 130	18,500	7.3 x 2.9 x 3.3	53 extended
	66 lean	192	530	60 – 100	-50 ... -300	600	2.3	6.4	352	978	1650	675	1874	6600	1220 x 1220	780 x 780	360 – 900	800	225, 350	175, 165	25,500	7.8 x 3.1 x 3.2	66 lean
	66 compact	288	760	70 – 120	0 ... -300	700	3.6	10.7	334	982	1650	672	1975	6600	1220 x 1220	780 x 780	360 – 900	800	225, 350	175, 165	26,500	8.1 x 3.1 x 3.5	66 compact
	66 extended	409	1096	80 – 140	0 ... -300	850	5.8	17.7	303	927	1650	712	2180	6600	1220 x 1220	780 x 780	360 – 900	800	225, 350	175, 165	27,500	8.6 x 3.1 x 3.6	66 extended
	84 lean	192	530	60 – 100	-50 ... -300	600	2.3	6.4	448	1245	2100	675	1874	8400	1390 x 1390	900 x 900	400 – 1000	800	225, 350	175, 165	31,000	7.8 x 3.5 x 3.3	84 lean
	84 compact	288	760	70 – 120	0 ... -300	700	3.6	10.7	425	1250	2100	672	1975	8400	1390 x 1390	900 x 900	400 – 1000	800	225, 350	175, 165	32,500	8.1 x 3.5 x 3.5	84 compact
	84 extended	409	1096	80 – 140	0 ... -300	850	5.8	17.7	385	1180	2100	712	2180	8400	1390 x 1390	900 x 900	400 – 1000	800	225, 350	175, 165	33,000	8.6 x 3.5 x 3.6	84 extended
	84L lean	192	530	60 – 100	-50 ... -300	600	2.3	6.4	448	1245	2100	675	1874	8400	1490 x 1490	1000 x 1000	400 – 1000	800	225, 350	175, 165	33,500	7.8 x 3.5 x 3.3	84L lean
	84L compact	288	760	70 – 120	0 ... -300	700	3.6	10.7	425	1250	2100	672	1975	8400	1490 x 1490	1000 x 1000	400 – 1000	800	225, 350	175, 165	35,000	8.1 x 3.5 x 3.5	84L compact
	84L extended	409	1096	80 – 140	0 ... -300	850	5.8	17.7	385	1180	2100	712	2180	8400	1490 x 1490	1000 x 1000	400 – 1000	800	225, 350	175, 165	36,500	8.6 x 3.5 x 3.6	84L extended
	90 lean	192	530	60 – 100	-50 ... -300	600	2.3	6.4	480	1334	2250	675	1874	9000	1390 x 1390	900 x 900	400 – 1000	800	225, 350	175, 165	31,000	7.8 x 3.5 x 3.3	90 lean
	90 compact	288	760	70 – 120	0 ... -300	700	3.6	10.7	456	1339	2250	672	1975	9000	1390 x 1390	900 x 900	400 – 1000	800	225, 350	175, 165	32,500	8.1 x 3.5 x 3.5	90 compact
	90 extended	409	1096	80 – 140	0 ... -300	850	5.8	17.7	413	1264	2250	712	2180	9000	1390 x 1390	900 x 900	400 – 1000	800	225, 350	175, 165	33,000	8.6 x 3.5 x 3.6	90 extended
	90L lean	192	530	60 – 100	-50 ... -300	600	2.3	6.4	480	1334	2250	675	1874	9000	1490 x 1490	1000 x 1000	400 – 1000	800	225, 350	175, 165	33,500	7.8 x 3.5 x 3.3	90L lean
	90L compact	288	760	70 – 120	0 ... -300	700	3.6	10.7	456	1339	2250	672	1975	9000	1490 x 1490	1000 x 1000	400 – 1000	800	225, 350	175, 165	35,000	8.1 x 3.5 x 3.5	90L compact
90L extended	409	1096	80 – 140	0 ... -300	850	5.8	17.7	413	1264	2250	712	2180	9000	1490 x 1490	1000 x 1000	400 – 1000	800	225, 350	175, 165	36,500	8.6 x 3.5 x 3.6	90L extended	

CARAT – 2 platens.	105 lean	288	760	70 – 120	-50 ... -350	700	3.6	10.7	532	1563	2625	672	1975	10,500	1600 x 1600	1000 x 1000	562 – 1150	1000	400	220	49,500	8.5 x 3.8 x 3.8	105 lean
	105 compact	409	1096	80 – 140	0 ... -350	850	5.8	17.7	482	1475	2625	712	2180	10,500	1600 x 1600	1000 x 1000	562 – 1150	1000	400	220	51,000	9.0 x 3.8 x 4.0	105 compact
	105 extended	583	1530	100 – 160	0 ... -350	1050	11.1	28.5	539	1380	2625	761	1948	10,500	1600 x 1600	1000 x 1000	562 – 1150	1000	400	220	53,000	9.7 x 3.8 x 4.3	105 extended
	130 lean	288	760	70 – 120	-50 ... -350	700	3.6	10.7	658	1935	3250	672	1975	13,000	1780 x 1780	1100 x 1100	640 – 1300	1100	400	220	58,000	8.9 x 4.0 x 3.9	130 lean
	130 compact	409	1096	80 – 140	0 ... -350	850	5.8	17.7	596	1826	3250	712	2180	13,000	1780 x 1780	1100 x 1100	640 – 1300	1100	400	220	60,000	9.5 x 4.0 x 4.1	130 compact
	130 extended	583	1530	100 – 160	0 ... -350	1050	11.1	28.5	667	1708	3250	761	1948	13,000	1780 x 1780	1100 x 1100	640 – 1300	1100	400	220	63,000	10.1 x 4.0 x 4.4	130 extended
	140 lean	288	760	70 – 120	-50 ... -350	700	3.6	10.7	709	2083	3500	672	1975	14,000	1780 x 1780	1100 x 1100	640 – 1300	1100	400	220	58,000	8.9 x 4.0 x 3.9	140 lean
	140 compact	409	1096	80 – 140	0 ... -350	850	5.8	17.7	642	1966	3500	712	2180	14,000	1780 x 1780	1100 x 1100	640 – 1300	1100	400	220	60,000	9.5 x 4.0 x 4.1	140 compact
	140 extended	583	1530	100 – 160	0 ... -350	1050	11.1	28.5	719	1840	3500	761	1948	14,000	1780 x 1780	1100 x 1100	640 – 1300	1100	400	220	63,000	10.1 x 4.0 x 4.4	140 extended
	160 lean	409	1096	80 – 140	-70 ... -420	850	5.8	17.7	734	2247	4000	712	2180	16,000	2000 x 2000	1250 x 1250	724 – 1450	1250	500	240	85,000	10.3 x 4.3 x 4.4	160 lean
	160 compact	583	1530	100 – 160	0 ... -420	1050	11.1	28.5	821	2103	4000	761	1948	16,000	2000 x 2000	1250 x 1250	724 – 1450	1250	500	240	87,000	11.0 x 4.3 x 4.5	160 compact
	160 extended	814	2076	120 – 180	0 ... -420	1300	19.8	44.7	872	1961	4000	816	1836	16,000	2000 x 2000	1250 x 1250	724 – 1450	1250	500	240	89,000	11.9 x 4.3 x 4.5	160 extended
	180 lean	409	1096	80 – 140	-70 ... -420	850	5.8	17.7	807	2472	4400	712	2180	17,600	2000 x 2000	1250 x 1250	724 – 1450	1250	500	240	85,000	10.3 x 4.3 x 4.1	180 lean
	180 compact	583	1530	100 – 160	0 ... -420	1050	11.1	28.5	903	2313	4400	761	1948	17,600	2000 x 2000	1250 x 1250	724 – 1450	1250	500	240	87,000	11.0 x 4.3 x 4.5	180 compact
	180 extended	814	2076	120 – 180	0 ... -420	1300	19.8	44.7	959	2157	4400	816	1836	17,600	2000 x 2000	1250 x 1250	724 – 1450	1250	500	240	89,000	11.9 x 4.3 x 4.5	180 extended
	200 lean	409	1096	80 – 140	-70 ... -420	850	5.8	17.7	917	2809	5000	712	2180	20,000	2240 x 2240	1400 x 1400	772 – 1600	1400	500	240	128,000	11.0 x 4.5 x 4.3	200 lean
	200 compact	583	1530	100 – 160	0 ... -420	1050	11.1	28.5	1027	2628	5000	761	1948	20,000	2240 x 2240	1400 x 1400	772 – 1600	1400	500	240	130,000	11.6 x 4.5 x 4.7	200 compact
	200 extended	814	2076	120 – 180	0 ... -420	1300	19.8	44.7	1090	2452	5000	816	1836	20,000	2240 x 2240	1400 x 1400	772 – 1600	1400	500	240	133,000	12.5 x 4.5 x 4.7	200 extended
	220 lean	409	1096	80 – 140	-70 ... -420	850	5.8	17.7	1009	3090	5500	712	2180	22,000	2240 x 2240	1400 x 1400	772 – 1600	1400	500	240	128,000	11.0 x 4.5 x 4.3	220 lean
	220 compact	583	1530	100 – 160	0 ... -420	1050	11.1	28.5	1129	2891	5500	761	1948	22,000	2240 x 2240	1400 x 1400	772 – 1600	1400	500	240	130,000	11.6 x 4.5 x 4.7	220 compact
	220 extended	814	2076	120 – 180	0 ... -420	1300	19.8	44.7	1199	2697	5500	816	1836	22,000	2240 x 2240	1400 x 1400	772 – 1600	1400	500	240	135,000	12.5 x 4.5 x 4.7	220 extended
	250 lean	583	1530	100 – 160	-70 ... -490	1050	11.1	28.5	1283	3285	6250	761	1948	25,000	2480 x 2480	1550 x 1550	880 – 1800	1550	680	280	155,000	12.6 x 4.9 x 4.8	250 lean
	250 compact	814	2076	120 – 180	0 ... -560	1300	19.8	44.7	1362	3064	6250	816	1836	25,000	2480 x 2480	1550 x 1550	880 – 1800	1550	680	280	158,000	13.5 x 4.9 x 4.9	250 compact
	250 extended	1165	2792	135 – 200	0 ... -560	1400	27.1	59.4	1282	2813	6250	889	1951	25,000	2480 x								