

# Technical Specification LEO Series

## LEO 60 to LEO 120

Description	Unit	LEO 60			LEO 80			LEO 120		
Item		A	B	C	A	B	C	A	B	C
<b>Injection Unit</b>										
Screw diameter	mm	26	30	34	35	37	40	37	40	43
Screw L/D ratio	L/D	24	21	19	20.6	19.5	18	21.1	19.6	18.2
Shot volume (Theoretical)	cm <sup>3</sup>	66	88	113	123	137	160	172	201	232
Shot weight (P.S. Based)	gms.	60	80	103	110	123	145	154	181	209
Injection pressure	BAR	2450	1840	1430	1930	1730	1480	1960	1680	1450
Injection Speed	mm/s	105			85			106		
Injection Stroke	MM	125			125			165		
Plasticising Cap (ps) @ Max. Speed	GM/SEC	8	9.3	12	14	14	19.2	15.7	15	23.6
Screw speed	rpm	0~220			0~220			0~230		
<b>Clamping Unit</b>										
Clamping force	TONNES	60			80			120		
Toggle Strock	mm	265			320			365		
Space between tie bars	mm	310 x 310			365 x 365			410 x 410		
Max. Mould Height	mm	320			380			450		
Min. Mould Height	mm	120			150			160		
Ejector Stroke	mm	70			100			130		
Ejector Force	TONNES	2.2			2.75			3.96		
Ejector Number	n	4			5			5		
<b>Others</b>										
Max. Pump Pressure	BAR	150			150			150		
Pump Motor Power	KW	7.5			11			11		
Heater Power	KW	5.2			5.8			9.1		
Machine Dimensions (L x W x H)	m	3.78 x 1.02 x 1.81			3.92 x 1.08 x 2.04			4.39 x 1.12 x 2.08		
Oil Tank Capacity	Liter	130			185			230		
Machine Weight	Ton	4			4.5			5		

## LEO 140 to LEO 240

Description	Unit	LEO 140			LEO 180			LEO 240		
Item		A	B	C	A	B	C	A	B	C
<b>Injection Unit</b>										
Screw diameter	mm	40	45	48	45	50	55	50	55	60
Screw L/D ratio	L/D	22.5	20	18.8	22.2	20	18.2	22	20	18.8
Shot volume (Theoretical)	cm <sup>3</sup>	270	342	389	334	412	499	490	593	707
Shot weight (P.S. Based)	gms.	243	308	350	301	371	449	442	534	636
Injection pressure	BAR	2010	1590	1400	2160	1750	1440	2050	1690	1420
Injection Speed	mm/s	114			96			91		
Injection Stroke	MM	215			220			250		
Plasticising Cap (ps) @ Max. Speed	GM/SEC	16	25	35.7	26.2	30	37	31.5	32	49
Screw speed	rpm	0~260			0~180			0~180		
<b>Clamping Unit</b>										
Clamping force	TONNES	140			180			240		
Toggle Strock	mm	420			470			540		
Space between tie bars	mm	465 x 465			515 x 515			570 x 570		
Max. Mould Height	mm	480			530			600		
Min. Mould Height	mm	180			200			220		
Ejector Stroke	mm	130			130			130		
Ejector Force	TONNES	3.96			6.2			6.2		
Ejector Number	n	5			8+1			9		
<b>Others</b>										
Max. Pump Pressure	BAR	150			150			150		
Pump Motor Power	KW	15			18.5			22		
Heater Power	KW	13			14.8			16.7		
Machine Dimensions (L x W x H)	m	4.98 x 1.21 x 2.22			5.60 x 1.34 x 2.27			5.84 x 1.41 x 2.34		
Oil Tank Capacity	Liter	240			320			360		
Machine Weight	Ton	5.5			6.7			9		