

Machines that **WIN** your trust



Winning Solution for Productive Performance

FUTURE
NEXT



180 to 350 Ton

WINPACK Series

Toggle Injection Moulding Machines

Machine Features

- Robust and Reliable 5 point twin-toggle mechanism
- Energy efficient VDP system
- Accumulator assisted Injection
- Closed loop Injection and back pressure control with high Injection rate
- Sub-Flighted screw for better melt homogeneity
- Sturdy clamp platens to withstand high injection pressure
- Ejector on fly
- Advanced control system
- Statistical process control
- Highly efficient plate type oil cooler
- Quick Response
- Lower dry cycle time
- Low noise and vibration



Machine Specifications

PARAMETERS	UNIT	WINPACK 180	WINPACK 220	WINPACK 260	WINPACK 260	WINPACK 350	WINPACK 350
Injection Unit		950	950	950	1560	950	1560
Screw Diameter	mm	50	50	50	60	50	60
Injection Pressure	bar	2017	2017	2017	1969	2017	1969
Stroke Volume	cc	471	471	471	792	471	792
Screw stroke	mm	240	240	240	280	240	280
Max Injection Weight (GPPS)	g	448	448	448	752	448	752
Injected Rate	cc/s	883	883	883	1109	883	1109
Injected Speed	mm/s	450	450	450	450	450	450
Plasticizing Rate (GPPS)@Max. Speed	g/s	54	54	54	58	54	58
Screw Speed - Max	rpm	277	277	277	171	277	171
L / D Ratio		24	24	24	23	24	23
Heating Capacity	kw	15	15	15	25	15	25
No. of heating zones	no.	5	5	5	6	5	5
Nozzle protrusion	mm	30	30	30	30	30	30
Nozzle contact force	kN	50	50	50	60	60	60
Closing Unit							
Clamping Force	ton	180	220	260	260	350	350
Mould Opening Stroke	mm	430	510	510	510	610	610
Mould Height (Min-Max)	mm	200 ~ 500	230 ~ 580	230 ~ 580	230 ~ 580	300 ~ 650	300 ~ 650
Distance Between Platens (Max)	mm	930	1090	1090	1090	1260	1260
Distance Between Tiebars (H x V)	mm	510 x 510	578 x 578	560 x 560	560 x 560	710 x 710	710 x 710
Clamping Platens (HxV)	mm	750 x 750	840 x 840	840 x 840	840 x 840	1030 x 1030	1030 x 1030
Ejector Force	kN	51	65	65	65	80	80
Ejector Stroke	mm	150	180	180	180	200	200
General Data							
Pump Drive	kW	30 / 37	30 / 37	30 / 37	37 / 45	30 / 37	37 / 45
Overall dimensions (L x W X H)	mm	6000 x 1600 x 2200	6300 x 1900 x 2300	6500 x 1900 x 2600	6500 x 1900 x 2600	7700 x 2100 x 2700	7700 x 2100 x 2700
Total Connected Load	kW	45 / 52	45 / 52	45 / 52	62 / 70	45 / 52	62 / 70
Oil tank capacity	ltr	285	285	400	400	500	500
Hopper capacity	ltr	60	60	60	120	60	120
Machine weight	ton	8	10	12	12	18	18



WINDSOR

Partner in Progress

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* Windsor Machines Ltd. reserves the right to change the specifications without prior notice.