

XPE Turbo-ScrewsTM Process Production Data

Case #	“ A ”	“ B ”
Product Group	XPE Board / Plank 2” ~ 3” plank. (50mm ~ 75mm)	XPE Sheet 0.070” - 0.500” sheet (1.8mm~12.7mm)
Product Specs	2.00” Thick @ 2.0 lb/ft ³ density 50.8 mm thickness @ 32 Kg/m ³	0.500” thick @ 2.20 lb/ft ³ density 12.7 mm thickness @ 35 Kg/m ³
Tandem Foam Extruder Size	4.50” – 6.00” 114mm x 152mm	4.50” – 6.00” 114mm x 152mm
	<i>Turbo-ScrewsTM</i>	<i>Turbo-ScrewsTM</i>
System Output	1,250 (568)	1,400 (636)
Lb/hr (Kg/hr)		
Secondary Screw Speed (rev/min)	18.1	15.8
Secondary Barrel ΔP psig (Inlet – discharge) (bar)	2,550 (176)	2,070 (143)
Secondary Inlet Temp ⁰ F (⁰ C)	326 ⁰ F (163)	316 ⁰ F (158)
Secondary Outlet Temp (⁰ C)	231 ⁰ F (110)	232 ⁰ F (111)
Secondary Drive Power (horsepower / lb / hr)	0.0320	0.0326
Secondary Throughput Efficiency (lbs / hr / in ² of barrel bore area)	0.373	0.418
Tandem Foam Extruder Size	4.50” – 6.00” 114mm x 152mm	4.50” – 6.00” 114mm x 152mm