

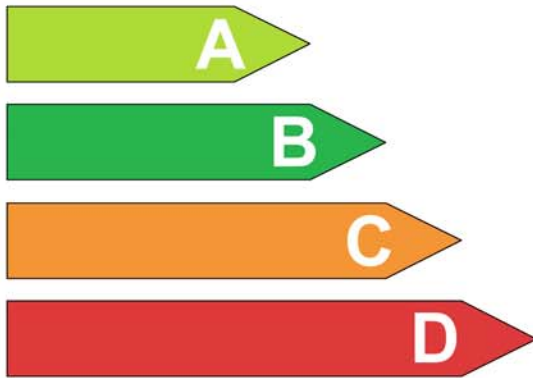
Energy Efficiency

Manufacturer: Cincinnati Extrusion GmbH

Model: argos 93

Extruder

low consumption



high consumption

Energy Efficiency Area	Quality Criteria	Points
Processing		
Screw Geometry	Energy efficient geometry, no over plasticizing, barrel cooling less 10%, homogeneous melt temperature in combination with optimized temperature control according to ITAE-Criteria.	<input checked="" type="checkbox"/> 1,5
Screw Core Thermoregulation	Internal screw regulation and energy exchange Active screw core thermoregulation	<input checked="" type="checkbox"/> 0,5 <input type="checkbox"/> 0,0
Main Drive	AC-drive DC-drive	<input checked="" type="checkbox"/> 2,5 <input type="checkbox"/> 0,0
Reactive Power Compensation (not required for AC)	Dynamic compensation	<input checked="" type="checkbox"/> 1,0
Insulation		
Barrel Insulation	Fully insulated barrel	<input checked="" type="checkbox"/> 1,5
Insulation Gaps	Closed insulation gaps at vent, mounting	<input checked="" type="checkbox"/> 0,5
Radiation through Air Blower Channels	Prevented chimney effect on barrel	<input checked="" type="checkbox"/> 0,5
Adapter	Adapter insulation	<input checked="" type="checkbox"/> 0,5
Drive efficiency Class of Auxiliary Drives (Dosing, Vacuum)	Efficiency Class 1 drives of auxiliaries	<input checked="" type="checkbox"/> 0,5
Energy Measurement and Visualisation	Energy consumption page and extruder energy measurement integrated in extruder control	<input checked="" type="checkbox"/> 1,0
9 - 10 A 7 - < 9 B 5.5 - < 7 C < 5.5 D	Maximum Points Total points argos 93	10 9,5

A data sheet with additional information can be found in extruder info sheets and brochures.