



ENTEK



QC³® 33mm Extruder

Quick-change, Quick-clean, Quality Control
- ideal for some lab applications - as well as
small to medium lots

Screws

Diameter	33mm
Rotation	Co-Rotating
Length	40-52 L/D
Screw Center Distance (mm)	26.9
Screw Do/Di Ratio	1.62
Flight Depth (mm)	6.2
Free Area, 2-Flight (cm ²)	6.6
Shafts	32 Tooth Involute Spline

Drive System

Std. Gearbox Ratios	1.25 / 2.5
Screw Speeds	1400 / 700 rpm
Motor @ 1750 rpm	100 / 50 hp
Motor Equivalent in Watts	75 kW
Voltage Options	380 / 415 / 460 / 575 Volt
Standard Motor Controller	AC

Barrels

Form	Square, Flanged
Length	135 mm
Cooling	Internal Liquid Cooling
Open Barrel Heat Zone	1.85 kW Bronze
Closed Barrel Heat Zone	2.2 kW Bronze

Controls

Controller	Ethernet IP PLC with touchscreen HMI Interface
Heat/Cool Zones	Up to 16 Standard (additional upon request)

Size & Utilities

Installed Cooling Capacity (gearbox and barrel)	12 tons (42 kW)
Typical Cooling	Estimated 5 tons (10kW)
Est. Power Requirements*	480VAC 3PH FLA: 69.61 - 100A Breaker
Centerline Height	41 in
Length, 48D	166 in
Width	39.5 in
Height (top of motor)	54.5 in
Weight (approx.)	8500 lbs

* - Standard Machine Configuration: 1 Feed Barrel, 8 Solid Barrels, 1 Vent Barrel, Gear Box Lube, Barrel Cooling Pump, 9 Bronze Cast Heater Zones

