

ENTEK YOUR EXTRUSION SOLUTION



QC³® 43mm Co-rotating Twin-Screw Extruder

Quick-change, Quick-clean, Quality Control -
for small to medium lot-size compounding

Screws	
Diameter	43mm
Rotation	Co-Rotating
Length	40-52 L/D
Screw Center Distance (mm)	35
Screw Do/Di Ratio	1.61
Flight Depth (mm)	8.0
Free Area, 2-Flight (cm ²)	11.2
Shafts	36 Tooth Involute Spline
Drive System	
Std. Gearbox Ratios	1.39
Screw Speeds	1200 rpm
Motor @ 1750 rpm	200 hp
Motor Equivalent in Watts	149 kW
Voltage Options	380 / 415 / 460 / 575 Volt
Standard Motor Controller	AC

Barrels	
Form	Square, Flanged
Length	180 mm
Cooling	Internal Liquid Cooling
Open Barrel Heat Zone	2.8 kW Bronze
Closed Barrel Heat Zone	4.0 kW Bronze
Controls	
Controller	Ethernet PLC with Color Computer Interface
Heat/Cool Zones	Up to 16 Standard (additional upon request)
Size & Utilities	
Installed Cooling Capacity (gearbox and barrel)	17 tons (60 kW)
Typical Cooling	5 tons (18kW)
Est. Power @ 480V	Drive CB 300A (FLA:237), Extruder CB 150A (FLA:110)
Centerline Height	1080 mm [42.5 in]
Length, 48D	5150 mm [203 in]
Width	1030 mm [40.5 in]
Height (top of motor)	1430 mm [56 in]
Weight (approx.)	4530 kg [10000 lb]

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

