



ENTEK



73MM Extruder

Large lot custom compounding; 400 or 800 HP;
600 or 1200 RPM

Screws

| | |
|--|--------------------------|
| Diameter | 73mm |
| Rotation | Co-Rotating |
| Length | 28-52 L/D |
| Screw Center Distance (mm) | 59.5 |
| Screw Do/Di Ratio | 1.59 |
| Flight Depth (mm) | 13.5 |
| Free Area, 2-Flight (cm ²) | 31.0 |
| Shafts | 24 Tooth Involute Spline |

Drive System

| | |
|---------------------------|----------------------------|
| Std. Gearbox Ratios | 1.46 / 2.90 / 5.8 |
| Screw Speeds | 1200 / 600 / 300 rpm |
| Motor @ 1750 rpm | 800 / 400 / 200 hp |
| Motor Equivalent in Watts | 597 / 298 / 149 kW |
| Voltage Options | 380 / 415 / 460 / 575 Volt |
| Standard Motor Controller | AC |

Barrels

| | | |
|-------------------------|-------------------------|------------------------------|
| Form | Square, Flanged | |
| Length | 292 mm | |
| Cooling | Internal Liquid Cooling | |
| Open Barrel Heat Zone | 5.5 kW Aluminum | 7.3 kW Bronze/ Cast Iron |
| Closed Barrel Heat Zone | 6.6 kW Aluminum | 10.2 kW Bronze/ Cast Iron |

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) | 59 tons (746,820 kJ) [215 kW] @400 hp and 600 rpm |
| Typical Cooling | 13.3 tons (168,350 kJ) |
| Est. Power Requirements* | 601A Power, Minimum Breaker 800 Amps |
| Centerline Height | 1120 mm [44 in] |
| Length, 48D | 7110 mm [280 in] |
| Width | 1205 mm [47.5 in] |
| Height (top of motor) | 1480 mm [58 in] |
| Weight (approx.) | 8160 kg [18000 lb] |

* - Standard Machine Configuration: 1 Feed Barrel, 9 Solid Barrels (6 Aluminum, 3 Bronze/Cast Iron), 1 Vent Barrel, Gear Box Lube 40mm and Up, Barrel Cooling Pump, Main Motor Blowers 400 hp and Up

