



# ENTEK



## HT 72mm Extruder

A true workhorse extruder for continuous 24/7/365 production

### Screws

Diameter	72mm
Rotation	Co-Rotating
Length	40-52 L/D
Screw Center Distance (mm)	58.5
Screw Do/Di Ratio	1.61
Flight Depth (mm)	13.5
Free Area, 2-Flight (cm <sup>2</sup> )	31.7
Shafts	36 Tooth Involute Spline

### Drive System

Std. Gearbox Ratios	1.52 / 3.06
Screw Speeds	1200 / 600 rpm
Motor @ 1750 rpm	1200 / 600 hp
Motor Equivalent in Watts	895 / 447 kW
Voltage Options	415 / 460 / 575 Volt
Standard Motor Controller	AC variable frequency drive

### Barrels

Form	Square, Flanged
Length	288 mm
Cooling	Internal Liquid Cooling
Open Barrel Heat Zone	7.5 kW Bronze
Closed Barrel Heat Zone	9.5 kW Bronze

### Controls

Controller	Ethernet IP PLC w/ touchscreen HMI interface
Heat/Cool Zones	Up to 15 Standard (additional upon request)

### Size & Utilities

Installed Cooling Capacity* (gearbox, motor and barrels)	109 tons (382 kW)
Typical Cooling**	26 tons (91kW)
Est. Power Requirements	1340A @480VAC
Centerline Height	1120 mm [44 in]
Length, 44D	7115 mm [280 in]
Width	1575 mm [60 in]
Height (top of motor)	1524 mm [60 in]
Weight (approx.)	9500 kg [21000 lb]

\* Cooling numbers include one connection to the extruder and one connection to the cooling skid

\*\* Required cooling is process dependent and should be verified with a lab trial at ENTEK to accurately size utilities

