

# HT 72mm

## Co-rotating Twin-Screw Extruder

High Torque - 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 rpm
Motor @ 1750 rpm	1200 hp
Motor Equivalent in Watts	895 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

