

# 117-180 ALTO<sup>®</sup>

# MANSFIELD<sup>®</sup>

Round Front, SmartHeight™, Vitreous China, Two-Piece Toilet

## FEATURES

- 3-bolt SmartFasten™ tank-to-bowl connection
- 1.6 gpf / 6.0 lpf low water consumption
- Round front SmartHeight™ bowl
- 2' flush tower
- Anti-siphon ballcock
- 12" rough-in
- Model 40 color-match, plastic trip lever
- 2' glazed trapway
- The Mansfield<sup>®</sup> Limited Lifetime Warranty
- Available in White, Biscuit, and Bone



**MODEL 117-180**

Toilet seat not included



ROUND



SMARTHEIGHT ADA

## COMPONENTS

MODEL #	DESCRIPTION	CODES/STANDARDS
117-180	Round front, SmartHeight™ two-piece toilet.	 
117	Round front, SmartHeight™ toilet bowl only. Less toilet seat. Specify color.	
180	Tank and cover only with left hand, front-mount, color-match, plastic trip lever. Less supply. Specify color.	
TANK TRIM & REPLACEMENT PARTS		
40	Trip lever - color-match, plastic trip lever, left hand	
211-1112	Flush tower	
08ULF-1112	Anti-siphon ballcock	
630-0030	Replacement flush valve seal	
160-LID	Tank lid	

When properly installed, this product meets the requirements for the Americans with Disabilities Act of 1990 (ADA). Refer to local plumbing codes, as they may vary by location and application.



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**SPECIFICATIONS**

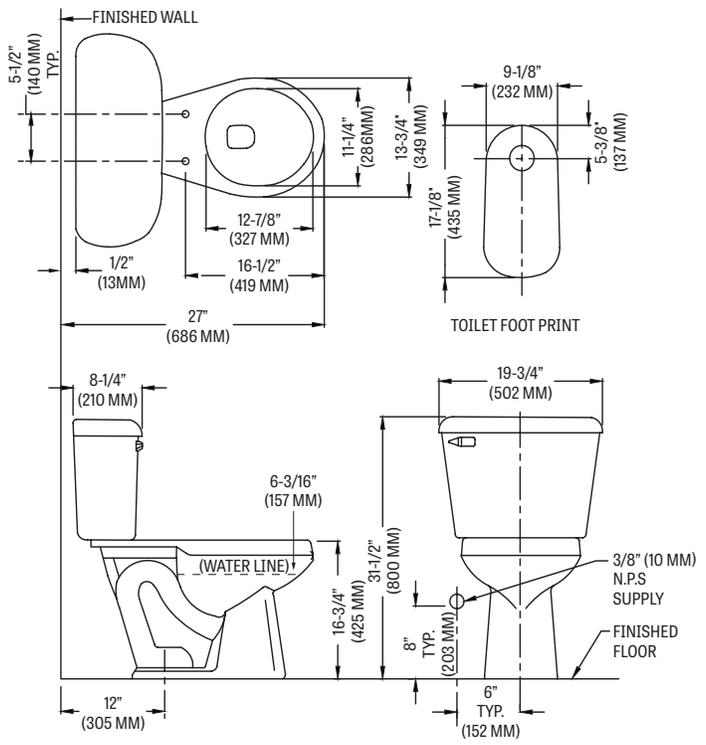
MODEL #	DESCRIPTION	CODES/STANDARDS
117-180	Round front SmartHeight™ (1.6 gpf / 6.0 lpf) two-piece toilet	 

<b>MATERIAL</b>	Vitreous China
<b>WATER PRESSURE RANGE</b>	20 to 80 PSI
<b>FLUSH SYSTEM</b>	2" Flush Tower
<b>WATER USAGE</b>	1.6 gpf / 6.0 lpf
<b>WATER SURFACE AREA</b>	8' X 9'
<b>ROUGH-IN</b>	12'
<b>MAP RATING</b>	800 grams

<b>TRAP DIAMETER</b>	2'
<b>TRAP SEAL</b>	2-7/8"
<b>SHIPPING WEIGHT</b>	Model 117 - 49 lbs. (22.2 kg) Model 180 - 34 lbs. (15.4 kg)
<b>WARRANTY</b>	Vitreous China - Limited Lifetime Tank Trim - Limited One Year

**TANK OPTIONS** | **TECHNICAL INFORMATION**  
Note: these dimensions are nominal and subject to change without notice.

<b>160</b>	<b>Standard 1.6 gpf configuration:</b> 2" flush tower; anti-siphon ballcock, left hand, chrome trip lever.
<b>160RH</b>	Variation of model 160, with right hand trip lever.
<b>161</b>	Variation of model 160, with Fluidmaster® anti-siphon pilot fill valve.
<b>165</b>	Variation of model 160, with cover lock.
<b>170</b>	Variation of model 160, with tank liner.
<b>172</b>	Variation of model 160, with Fluidmaster® anti-siphon pilot fill valve, 2" flapper and chrome trip lever.
<b>173</b>	Variation of model 160, with Fluidmaster® anti-siphon pilot fill valve, 2" flapper and color-match trip lever.
<b>173RH</b>	Variation of model 173, with right hand trip lever.
<b>174</b>	Variation of model 173, with tank liner.
<b>175</b>	Variation of model 160, with cover lock and tank liner.
<b>180</b>	Variation of model 160, with color-match trip lever.
<b>181</b>	Variation of model 160, with Fluidmaster® anti-siphon pilot fill valve and color-match trip lever.
<b>190</b>	Variation of model 160, with color-match trip lever and tank liner.
<b>125</b>	Variation of model 160, with 14" rough-in.



Fixture performance and specifications meet or exceed ASME A112.19.2/CSA B45.1 standards, and other state and local codes.