117-160RH **ALTO**®

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
- · Fluidmaster® anti-siphon pilot fill valve
- 12" rough-in
- Model 40RH chrome-plated, right hand, plastic trip lever
- 2" glazed trapway
- The Mansfield[®] Limited Lifetime Warranty
- Available in White



COMPONENTS

MODEL #	DESCRIPTION	CODES/STANDARDS		
117-160RH	Round front, SmartHeight™ two-piece toilet.			
117	Round front, SmartHeight [™] toilet bowl only. Less toilet seat. Specify color.			
160RH	Tank and cover only with right hand, front-mount, chrome-plated, plastic trip lever. Fluidmaster® anti-siphon pilot fill valve. Less supply.	C V C ADA COMPLIANT		
TANK TRIM & REPLACEMENT PARTS				
40RH	Trip lever - chrome-plated plastic trip lever, right hand			
211-1112	Flush tower			
400A	Fluidmaster® anti-siphon pilot fill valve			
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.

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

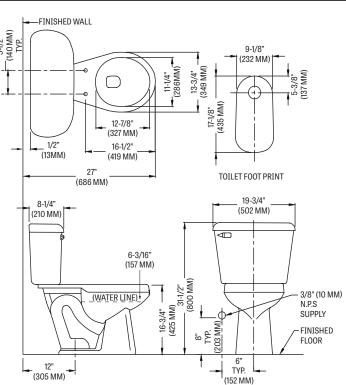
SPECIFICATIONS

MODEL #	DESCRIPTION	CODES/STANDARDS
117-160RH	Round front SmartHeight™ (1.6 gpf / 6.0 lpf) two-piece toilet	C C C C C C C C C C C C C C C C C C C

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

TRAP DIAMETER	2"
TRAP SEAL	2-7/8"
SHIPPING WEIGHT	Model 117 - 49 lbs. (22.2 kg) Model 160RH - 34 lbs. (15.4 kg)
WARRANTY	Vitreous China - Limited Lifetime Tank Trim - Limited One Year

TANK OPTIONS		TECHNICAL INFORMATION Note: these dimensions are nominal and subject to change without notice.	
160	Standard 1.6 gpf configuration: 2" flush tower, Fluidmaster® anti-siphon pilot fill valve, left hand, chrome trip lever.	FINISHED WALL	
160RH	Variation of model 160, with right hand trip lever.		
165	Variation of model 160, with cover lock.	(1338 g mm))	
170	Variation of model 160, with tank liner.		
172	Variation of model 160, with 2" flapper flush valve and chrome trip lever.	12-7/8" (327 MM) 16-1/2"	
173	Variation of model 160, with 2" flapper flush valve and color-match trip lever.	(13MM) (419 MM) (419 MM)	
173RH	Variation of model 173, with right hand trip lever.	(686 MM)	
174	Variation of model 173, with tank liner.	8-1/4" (210 MM) (502 M	
175	Variation of model 160, with cover lock and tank liner.	6-3/16"	
180	Variation of model 160, with color-match trip lever.	(157 MM)	
190	Variation of model 160, with color-match trip lever and tank liner.		
125	Variation of model 160, with 14" rough-in.	1 19 19 19 19 19 19 19 19 19 19 19 19 19	



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

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