137-160 **ALTO**®

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

FEATURES

- 3-bolt SmartFasten[™] tank-to-bowl connection
- 1.6 gpf / 6.0 lpf low water consumption
- Elongated front SmartHeight[™] bowl
- 2' flush tower
- Anti-siphon ballcock
- 12' rough-in
- Model 40 chrome-plated plastic trip lever
- 2' glazed trapway
- The Mansfield® limited lifetime warranty
- Available in White, Biscuit, and Bone



COMPONENTS

MODEL #	DESCRIPTION	CODES/STANDARDS	
137-160	Elongated front, SmartHeight™ two-piece toilet.		
137	Elongated front, SmartHeight™ toilet bowl only. Less toilet seat. Specify color.		
160	Tank and cover only, with left hand, front-mount, chrome-plated, plastic trip lever. Less supply. Specify color.	lated,	
TANK TRIM & REPLACEMENT PARTS			
40	Trip lever - chrome-plated, plastic trip lever, left hand		
211-1112	Flush tower		
08ULF-1112	Anti-siphon ballcock		
630-0030	Replacement flush valve seal		
160-LID	Tank lid		



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

SPECIFICATIONS

MODEL #	DESCRIPTION	CODES/STANDARDS
137-160	Elongated front, SmartHeight™ (1.6 gpf / 6.0 lpf) two-piece toilet	C THE ADA COMPLIANT

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	9' X 10'	
ROUGH-IN	12'	
MAP RATING	800 grams	

TRAP DIAMETER	2'
TRAP SEAL	2-5/8'
SHIPPING WEIGHT	Model 137 - 56 lbs. (25.4 kg) Model 160 - 34 lbs. (15.4 kg)
WARRANTY	Vitreous China - Limited Lifetime Tank Trim - Limited One Year

181 Variation of model 160, with Fluidmaster® anti-siphon pilot fill valve and color-match trip lever. 190 Variation of model 160, with color-match trip lever and tank liner. 125 Variation of model 160, with 14" rough-in.	TANK OPTIONS		TECHNICAL INFORMATION Note: these dimensions are nominal and subject to change without notice.	
 161 Variation of model 160, with rover lock. 170 Variation of model 160, with cover lock. 171 Variation of model 160, with Fluidmaster® antisiphon pilot fill valve, 2" flapper and chrome trip lever. 173 Variation of model 160, with Fluidmaster® antisiphon pilot fill valve, 2" flapper and color-match trip lever. 173 Variation of model 173, with right hand trip lever. 174 Variation of model 160, with color-match trip lever. 181 Variation of model 160, with color-match trip lever. 181 Variation of model 160, with color-match trip lever. 190 Variation of model 160, with 14" rough-in. 	160	2" flush tower, anti-siphon ballcock, left hand,		
 161 Variation of model 160, with rover lock. 170 Variation of model 160, with cover lock. 171 Variation of model 160, with Fluidmaster® antisiphon pilot fill valve, 2" flapper and chrome trip lever. 173 Variation of model 160, with Fluidmaster® antisiphon pilot fill valve, 2" flapper and color-match trip lever. 173 Variation of model 173, with right hand trip lever. 174 Variation of model 160, with color-match trip lever. 181 Variation of model 160, with color-match trip lever. 181 Variation of model 160, with color-match trip lever. 190 Variation of model 160, with 14" rough-in. 	160RH	Variation of model 160, with right hand trip lever.		
 170 Variation of model 160, with tank liner. 172 Variation of model 160, with Fluidmaster® antisiphon pilot fill valve, 2" flapper and chrome trip lever. 173 Variation of model 160, with Fluidmaster® antisiphon pilot fill valve, 2" flapper and color-match trip lever. 173 RH Variation of model 173, with right hand trip lever. 174 Variation of model 160, with color-match trip lever. 175 Variation of model 160, with color-match trip lever. 180 Variation of model 160, with color-match trip lever. 181 Variation of model 160, with color-match trip lever. 190 Variation of model 160, with color-match trip lever. 190 Variation of model 160, with 14" rough-in. 	161			
 Variation of model 160, with Fluidmaster® anti-siphon pilot fill valve, 2" flapper and chrome trip lever. Variation of model 160, with Fluidmaster® anti-siphon pilot fill valve, 2" flapper and color-match trip lever. Variation of model 173, with right hand trip lever. Variation of model 160, with color-match trip lever. Variation of model 160, with 14" rough-in. 	165	Variation of model 160, with cover lock.		
 Variation of model 160, with Fluidmaster® anti- siphon pilot fill valve, 2" flapper and chrome trip lever. Variation of model 160, with Fluidmaster® anti- siphon pilot fill valve, 2" flapper and color-match trip lever. Variation of model 173, with right hand trip lever. Variation of model 160, with color-match trip lever. Variation of model 160, with 14" rough-in. 	170	Variation of model 160, with tank liner.		
 Variation of model 160, with Fluidmaster® antisiphon pilot fill valve, 2" flapper and color-match trip lever. 173 Wariation of model 173, with right hand trip lever. 174 Variation of model 160, with cover lock and tank liner. 175 Variation of model 160, with color-match trip lever. 181 Variation of model 160, with Fluidmaster® antisiphon pilot fill valve and color-match trip lever. 190 Variation of model 160, with 14" rough-in. 	172	siphon pilot fill valve, 2" flapper and chrome trip	(13 MM) (13 MM) (13 MM) (13 MM) (13 MM) (470 MM) TOILET FOOT PRINT	
 174 Variation of model 173, with tank liner. 175 Variation of model 160, with cover lock and tank liner. 180 Variation of model 160, with color-match trip lever. 181 Variation of model 160, with color-match trip lever. 190 Variation of model 160, with 14" rough-in. 	173	siphon pilot fill valve, 2" flapper and color-match	8-1/4" (222 MAL)	
 174 Variation of model 173, with tank liner. 175 Variation of model 160, with cover lock and tank liner. 180 Variation of model 160, with color-match trip lever. 181 Variation of model 160, with Fluidmaster® antisiphon pilot fill valve and color-match trip lever. 190 Variation of model 160, with 14" rough-in. 	173RH	Variation of model 173, with right hand trip lever.		
 175 Variation of model 160, with cover lock and tank liner. 180 Variation of model 160, with color-match trip lever. 181 Variation of model 160, with Fluidmaster® antisiphon pilot fill valve and color-match trip lever. 190 Variation of model 160, with color-match trip lever and tank liner. 125 Variation of model 160, with 14" rough-in. 	174	Variation of model 173, with tank liner.	6" N.P.S -	
181 Variation of model 160, with Fluidmaster® anti-siphon pilot fill valve and color-match trip lever. 190 Variation of model 160, with color-match trip lever and tank liner. 125 Variation of model 160, with 14" rough-in.	175	Variation of model 160, with cover lock and tank liner.		
181 Variation of model 160, with Fluidmaster® anti-siphon pilot fill valve and color-match trip lever. 190 Variation of model 160, with color-match trip lever and tank liner. 125 Variation of model 160, with 14" rough-in.	180	Variation of model 160, with color-match trip lever.		
190 Variation of model 160, with color-match trip lever and tank liner. 125 Variation of model 160, with 14" rough-in.	181		TINISHED	
125 Variation of model 160, with 14" rough-in.	190		→ 12" (305 MM) →	
	125	Variation of model 160, with 14" rough-in.	(152 MM)	

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