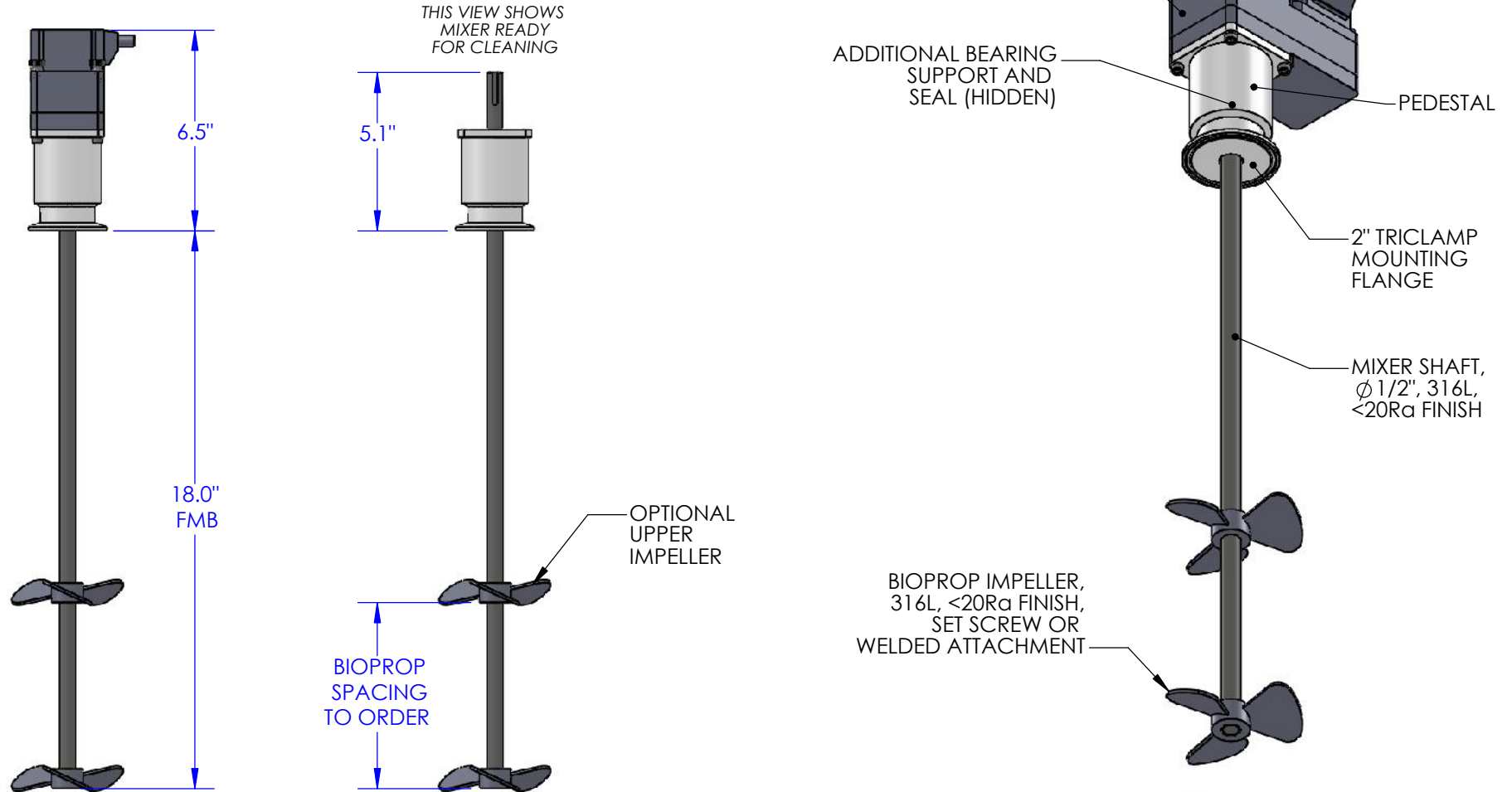


**KEY STANDARD FEATURES:**

- ELECTRIC MOTOR - 1/25HP, 20 - 600 RPM, ROHS COMPLIANT, IP65
- SPEED CONTROLLER - 110V INPUT, NEMA 4 BOX, WIRED TO MOTOR, 100W MAX INPUT
- PEDESTAL - 2" TRICLAMP MOUNT, 21 CFR177 FDA-POLYPROPYLENE (USPVI)
- SEALS - FDA-LIPSEAL OR MECHANICAL SEAL
- MIXER SHAFT -  $\phi$  1/2", 316L STAINLESS STEEL, <20Ra FINISH
- IMPELLER - SINGLE BIOPROP IMPELLER, SET SCREW ATTACHMENT OR WELDED ATTACHMENT, 316L, <20Ra FINISH(UPPER IMPELLER AVAILABLE)

GEARMOTOR IS QUICKLY REMOVED TO FACILITATE AUTOCLAVE CLEANING OF MIXER AND VESSEL



BIOPROP IMPELLER, 316L, <20Ra FINISH, SET SCREW OR WELDED ATTACHMENT

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES REMOVE BURRS AND BREAK SHARP EDGES .005 - .015 WELDS TO BE CONTINUOUS AND FREE OF VOIDS & CRACKS FRACTION ± 1/16 0 PLACES ± 1/8 1 PLACE ± .06 2 PLACE ± .010 3 PLACE ± .005 ANGLE ± 2°	SIGNATURE & DATE						
	DRAWN	PIC					
	CHKR	TS					
	JOB NO.	N/A					
	MATERIAL	AS REQ'D					
TREATMENT	AS REQ'D	DWG TITLE	DXL-F - DIAMOND XL SERIES MIXER - SALES DWG				
SCALE	NTS	SHEET	1 OF 2	SIZE	DWG. No. 000000	REV	-

## Diamond XL Features/Options

### Power

Motor:	Electric Gearmotor - ROHS Compliant, IP65
Power:	1/25 HP
Speed:	20 - 600 rpm
Installation:	Thumbscrew Attachment <i>Quickly removable to allow mixer to be cleaned.</i>

### Speed Controller

Input:	110V (100 watt max)
Enclosure:	NEMA 4
Installation:	Pre-Wired to Motor

### Pedestal

Mount:	2" TriClamp
Material:	21CFR177 FDA-Polypropylene (USP VI)
Houses:	Seal and Bearing Support
Cleaning:	AutoClave Capable
Replacements:	Additional Pedestals Available (+\$) <i>(for disposable-type applications)</i>

### Seal

Type:	FDA-Lipseal	Mechanical
Description:	FDA Rulon 641 with USV VI O-Ring	Carbon/Ceramic/Viton

### Impellers

Type:	BioProp™ Sanitary Marine-Type Impeller			
Material:	316L Stainless Steel			
Quantity:	Single (std)	Dual (+\$)		
Attachment:	Set Screw (std)	Welded (+\$)		
Impeller Spacing:	Custom: _____" <i>(if welded attachment)</i>			
Size (OD"):	1.8" <i>(fits thru)</i>	2.8" <i>(3" TC)</i>	3.7" <i>(4" TC)</i>	5.7" <i>(6" TC)</i>

### Shaft

Material:	316L Stainless Steel	
Size (OD"):	1/2" (std)	
Length (FMB"):	18" (std)	Custom _____ <i>(36"max *)</i>

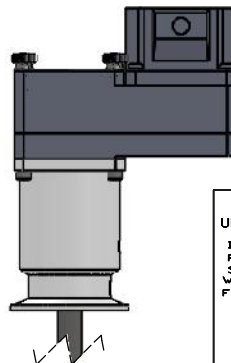
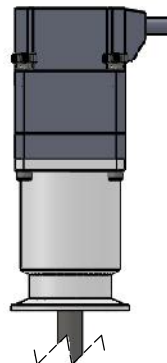
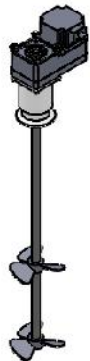
*\* Consult factory for applications over 30" FMB.*

### Other Options

Finish <i>(Wetted Parts)</i> :	20Ra (std)	15Ra (+\$)	8Ra (+\$)
Passivation:	Available (+\$)		
Material Certs	Available (+\$)		
Profilometer Report	Available (+\$)		
Tachometer:	Digital Tachometer Available (+\$)		

*(+\$) = add'l cost for this option*

Optional Items are shown with a shaded background



UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
REMOVE BURRS AND BREAK  
SHARP EDGES .005 - .015  
WELDS TO BE CONTINUOUS AND  
FREE OF VOIDS & CRACKS

FRACTION	± 1/16
0 PLACES	± 1/8
1 PLACE	± .06
2 PLACES	± .010
3 PLACES	± .005
ANGLE	± 2°

#### SIGNATURE & DATE

DRAWN	PIC
CHKR	TS
JOB NO.	N/A
MATERIAL	AS REQ'D
TREATMENT	AS REQ'D
SCALE	NTS



DWG TITLE	DXL-F - DIAMOND XL SERIES MIXER - SALES DWG			
SHEET	2 OF 2	SIZE	DWG. NO.	000000
				REV -