



## OPTIMIX 2G 40-60



### Application

Submersible motor for liquids tanks with dry matter content up to 12 % and substrate temperatures up to 132 F  
pH-value 6.5 - 8.2

### Motor

Motor: 12 hp, 60Hz  
Protection class IP 68, up to 33 ft submergence  
Overheat protection  
Isolated oil circuit, turbine oil

### Gear

Robust, two stage planetary gear  
Reduction ration  $i = 19.6$   
Isolated oil circuit with long life oil  
12,000 operation hours between oil changes

### Bearing

SiC/SiC mechanical seal for bearing housing with two tapered roller bearings to absorb axial forces  
Isolated oil circuit with long life oil  
12,000 operation hours between oil changes

### Ex-zone

Authorized for Ex-Zone 2

### Propeller

3-blade high efficiency propeller, dynamically balanced  
Optimix 2G 40-60 | 5 hp | LT 1400 | 60 rpm  
Painted or hardened steel

### Guiding unit

4 roller guide bracket for 4" x 4" or 6" x 6" stainless mast

### Corrosion protection

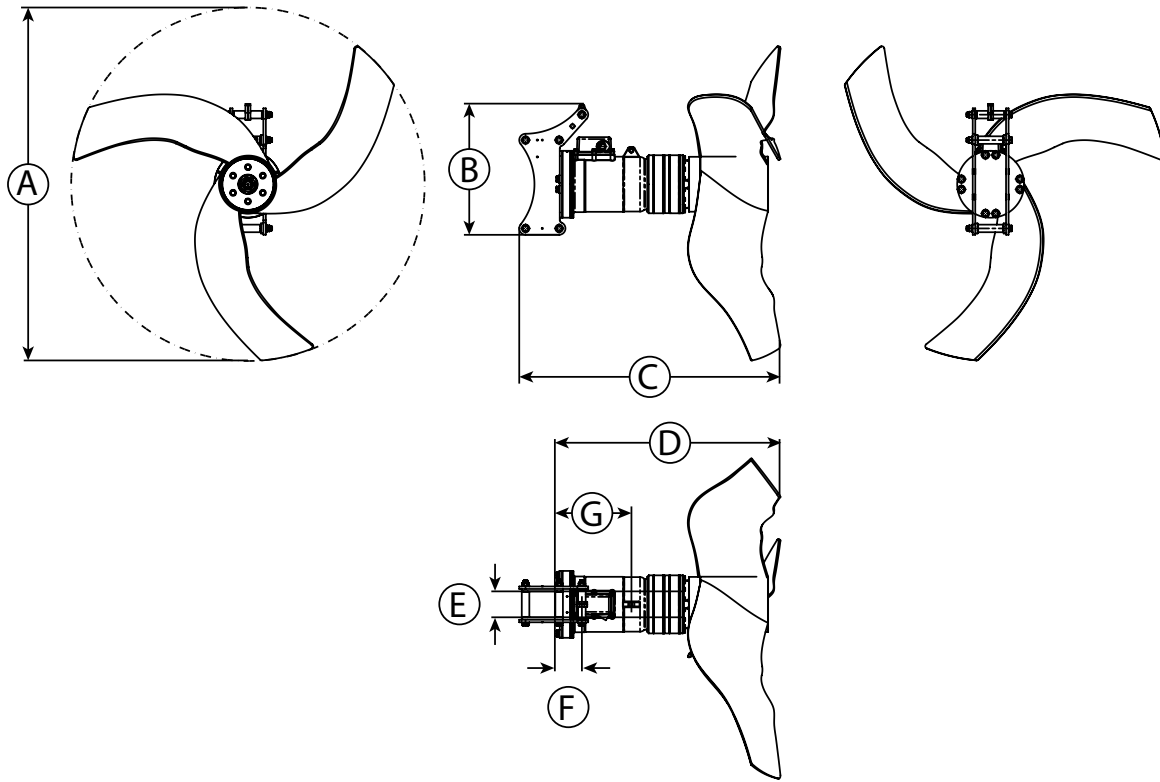
Ductile cast iron housing (GGG40)  
Mixer has a two component epoxy coating  
Mixer is galvanically isolated from the guide mast

### Electric Cable

Standard length is 33', other lengths upon request  
Microbe resistant jacket  
Maximum load 180 lbs

### Controls (optional)

Soft start or frequency converter



### Dimensions

Type	A Ø [in]	B [in]	C [in]	D [in]	E [in]	F [in]	G [in]				
2G 40-60	55	20.5	47	39	4 / 6	4	12				

### Technical data

Type	Rated Power [hp]	Frequency [Hz]	Gear reduction ratio	Propeller speed [rpm]	Propeller diameter [in]	Axial force [lbf]	Flow velocity [ft/s] *	Pumping rate [gal/min]	Weight approx. [lbs]			
2G 40-60	5	60	19.6	60	55	382	4.3	28,794	440			

Subject to technical changes

\* measured in water and 3.94 ft distance