



# CTJ-20 OPTIMIX® 20 GALLON JACKETED GLASS-LINED STEEL REACTOR

## Specifications

Vessel Design Pressure (psig)	150 and F.V.
Jacket Design Pressure (psig)	115 or 100 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	8.5

## Dimensions (inches)

A	19 <sup>5</sup> / <sub>16</sub>
B	6
C	28 <sup>11</sup> / <sub>16</sub>
D	78 <sup>11</sup> / <sub>16</sub>
E	4 <sup>5</sup> / <sub>8</sub>
F (I.D.)	19 <sup>1</sup> / <sub>4</sub>
G (O.D.)	23 <sup>5</sup> / <sub>8</sub>
H (nozzle elevations)	
1 1/2" nozzle	5
2" nozzles	5 <sup>1</sup> / <sub>2</sub>
J (nozzle radius)	
1 1/2" nozzle	7 <sup>1</sup> / <sub>4</sub>
2" nozzles	7 <sup>3</sup> / <sub>4</sub>

## Capacity (gallons)

Working	20
Total Volume	24
Head Volume	3
Per Inch Straight Side Jacket	1.25
Jacket	8

## Weight (pounds)

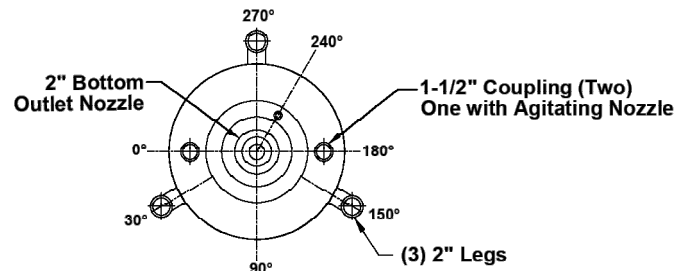
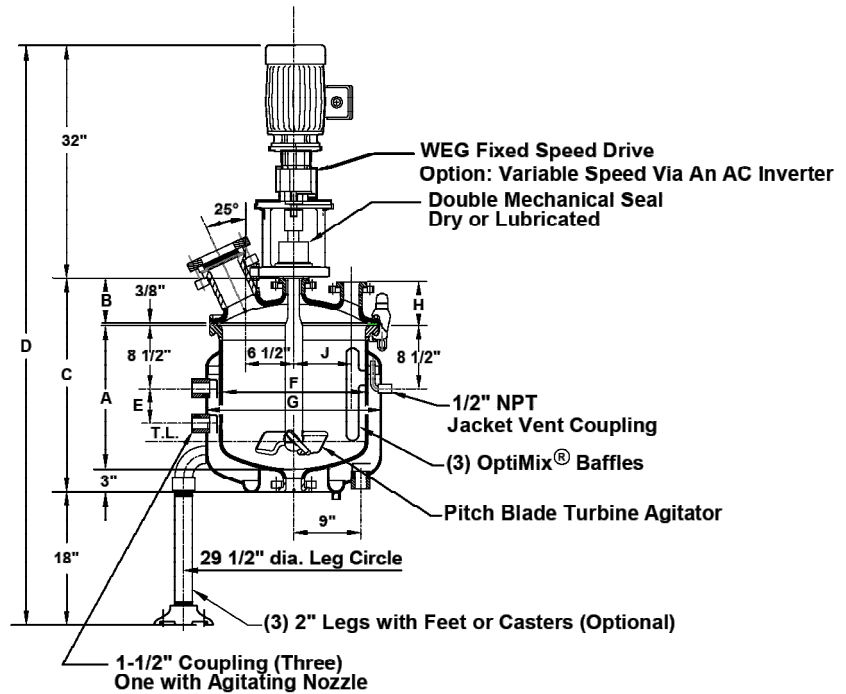
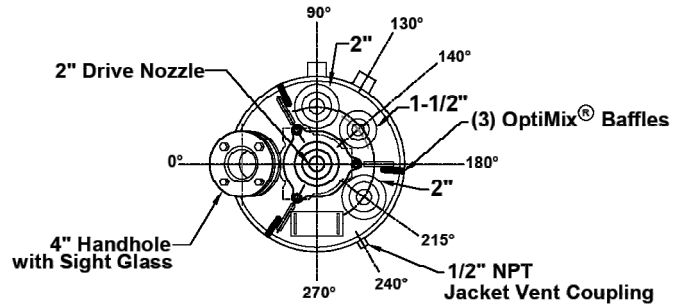
Bare Body (no accessories)	725
Complete (with drive system)	940
Add for Shipping	150

## WEG Helical Gear Drive

Motor	1.5HP
Motor Type	XP
Drive Size	CC012-N143
• Low Noise Level	

## Pitch Blade Turbine Agitator

Span (inches)	10
Blade Angle	45°
Speed (standard speed)	212 RPM
• Clockwise Rotation	



✉ sales@ddpsinc.com ☎ 908 317 2585





# CTJ-30 OPTIMIX® 30 GALLON JACKETED GLASS-LINED STEEL REACTOR

## Specifications

Vessel Design Pressure (psig)	150 and F.V.
Jacket Design Pressure (psig)	115 or 100 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	12

## Dimensions (inches)

A	27 <sup>3</sup> / <sub>16</sub>
B	6
C	36 <sup>9</sup> / <sub>16</sub>
D	86 <sup>9</sup> / <sub>16</sub>
E	12 <sup>1</sup> / <sub>2</sub>
F (I.D.)	19 <sup>1</sup> / <sub>4</sub>
G (O.D.)	23 <sup>5</sup> / <sub>8</sub>
H (nozzle elevations)	
1 1/2" nozzle	5
2" nozzles	5 1/2
J (nozzle radius)	
1 1/2" nozzle	7 1/4
2" nozzles	7 3/4

## Capacity (gallons)

Working	30
Total Volume	34
Head Volume	3
Per Inch Straight Side Jacket	1.25
Jacket	12

## Weight (pounds)

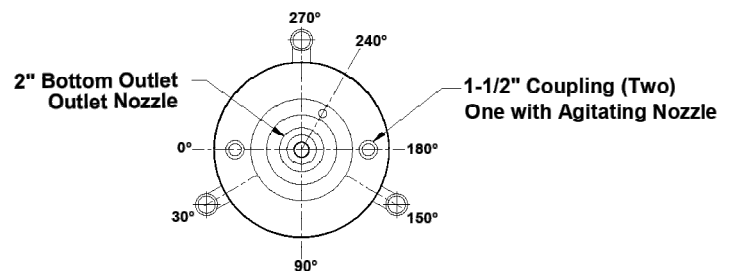
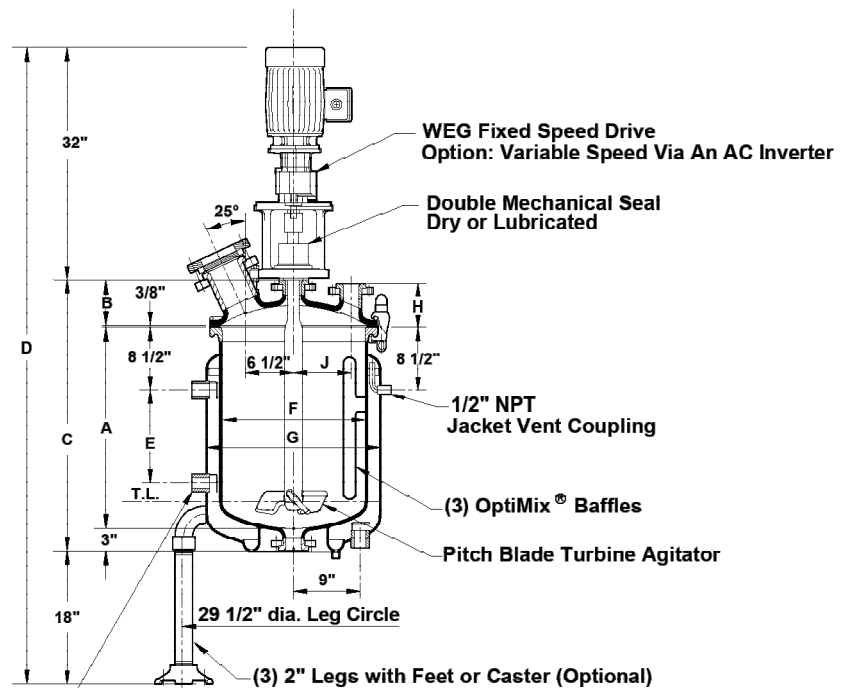
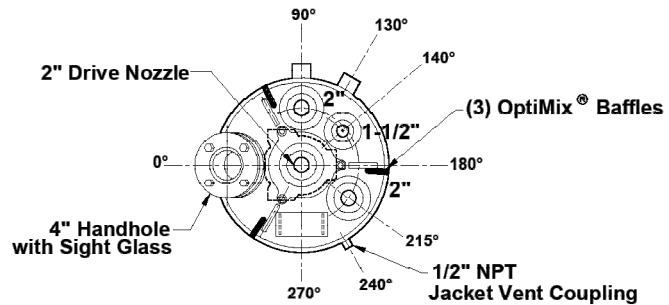
Bare Body (no accessories)	850
Complete (with drive system)	1,050
Add for Shipping	150

## WEG Helical Gear Drive

Motor	15HP
Motor Type	XP
Drive Size	CC012-N143
• Low Noise Level	

## Pitch Blade Turbine Agitator

Span (inches)	10
Blade Angle	45°
Speed (standard speed)	212 RPM
• Clockwise Rotation	



✉ sales@ddpsinc.com ☎ 908 317 2585





# CTJ-50 OPTIMIX® 50 GALLON JACKETED GLASS-LINED STEEL REACTOR

## Specifications

Vessel Design Pressure (psig)	150 and F.V.
Jacket Design Pressure (psig)	125 or 110 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	14

## Dimensions (inches)

A	28
B	6 1/2
C	37 7/8
D	90 7/8
F (I.D.)	22 7/8
G (O.D.)	27 9/16
H (nozzle elevations)	
1 1/2"	5 1/2
2"	6
3"	6

## Capacity (gallons)

Working	50
Total Volume	50.5
Head Volume	5
Per Inch Straight Side	1.76
Jacket	17

## Weight (pounds)

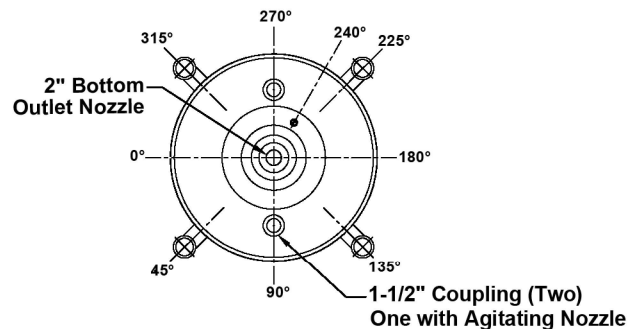
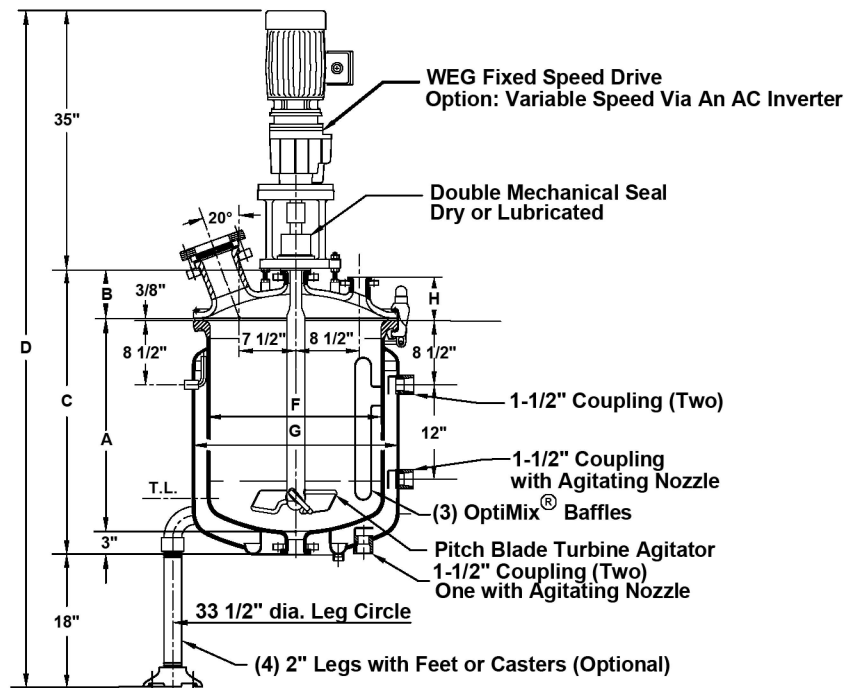
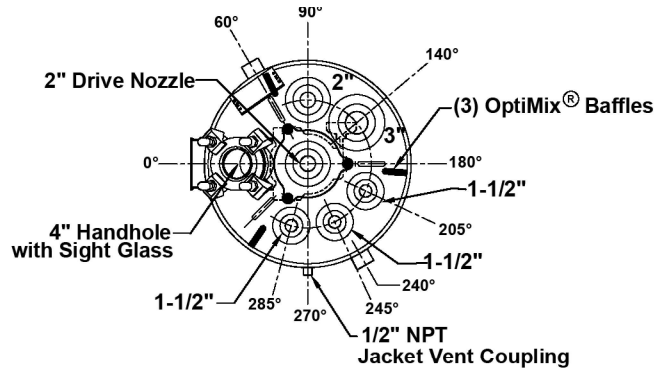
Bare Body (no accessories)	1000
Complete (with drive system)	1,500
Add for Shipping	150

## WEG Helical Gear Drive

Motor	2HP
Motor Type	XP
Drive Size	CC032-N143
• Low Noise Level	

## Pitch Blade Turbine Agitator

Span (inches)	12
Blade Angle	45°
Speed (standard speed)	135 RPM
• Clockwise Rotation	



✉ sales@ddpsinc.com ☎ 908 317 2585





# CTJ-100 OPTIMIX® 100 GALLON JACKETED GLASS-LINED STEEL REACTOR

## Specifications

Vessel Design Pressure (psig)	150 and F.V.
Jacket Design Pressure (psig)	115 or 100 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	25.5

## Dimensions (inches)

A	36 1/4
B	14 1/2
C	54 5/8
D	109 5/8
F (I.D.)	32
G (O.D.)	37 3/8
H (nozzle elevations)	
4"	14

## Capacity (gallons)

Working	100
Total Volume	145.5
Head Volume	18.5
Per Inch Straight Side	3.5
Jacket	32

## Weight (pounds)

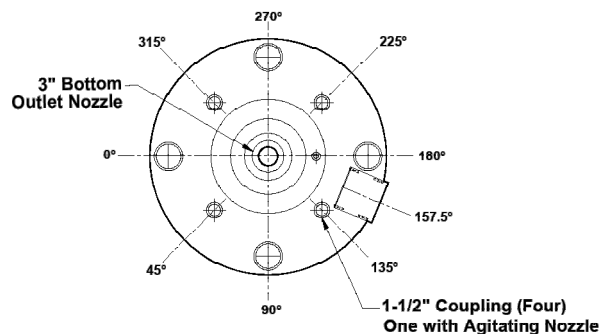
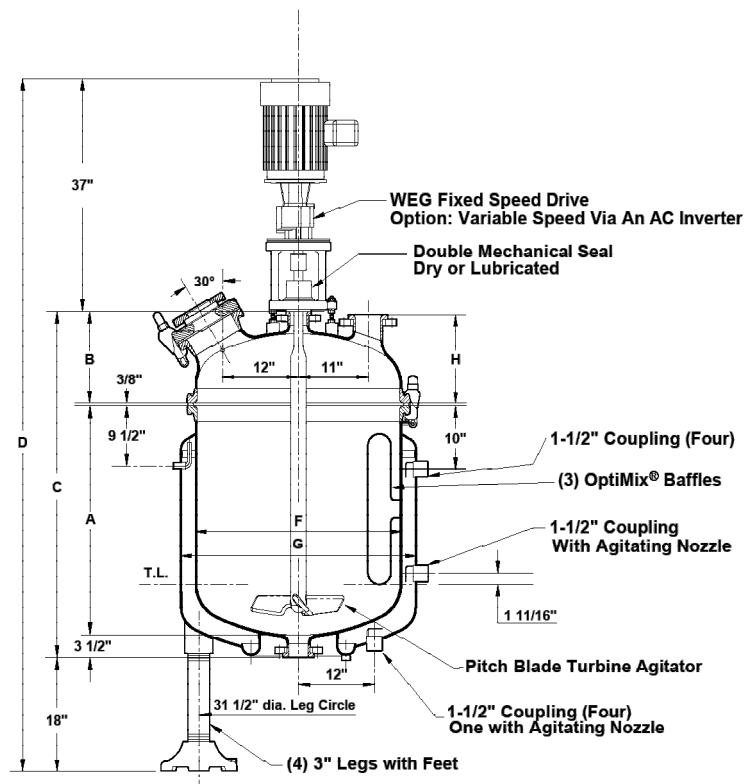
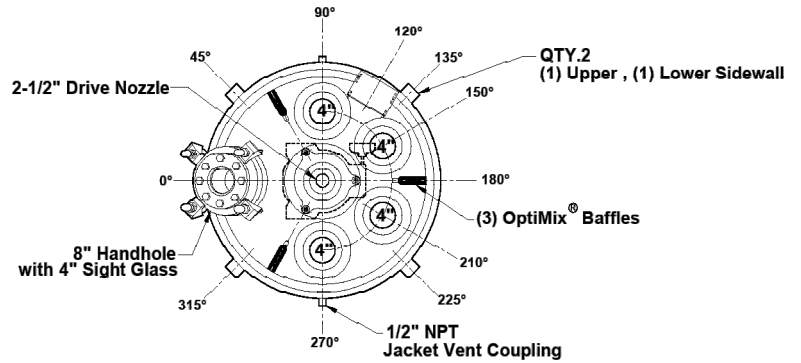
Bare Body (no accessories)	1,650
Complete (with drive system)	2,160
Add for Shipping	400

## WEG Helical Gear Drive

Motor	3HP
Motor Type	XP
Drive Size	CC032-N182
• Low Noise Level	

## Pitch Blade Turbine Agitator

Span (inches)	16
Blade Angle	45°
Speed (standard speed)	135 RPM
• Clockwise Rotation	



✉ sales@ddpsinc.com ☎ 908 317 2585





# CTJ-200 OPTIMIX® 200 GALLON JACKETED GLASS-LINED STEEL REACTOR

## Specifications

Vessel Design Pressure (psig)	90 and F.V.
Jacket Design Pressure (psig)	105 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	394

## Dimensions (inches)

A	45 1/2
B	15
C	63 7/8
D	124 7/8
E	25 1/8
F (I.D.)	38 1/4
G (O.D.)	43 5/16
H (nozzle elevations)	
4" nozzles	13
6" nozzle	13 3/4
J (nozzle radius)	
4" nozzles	14 1/2
6" nozzle	13

## Capacity (gallons)

Working	200
Total Volume	256.5
Head Volume	24
Per Inch Straight Side	4.9

## Weight (pounds)

Bare Body (no accessories)	3,000
Complete (with drive system)	3,650
Add for Shipping	400

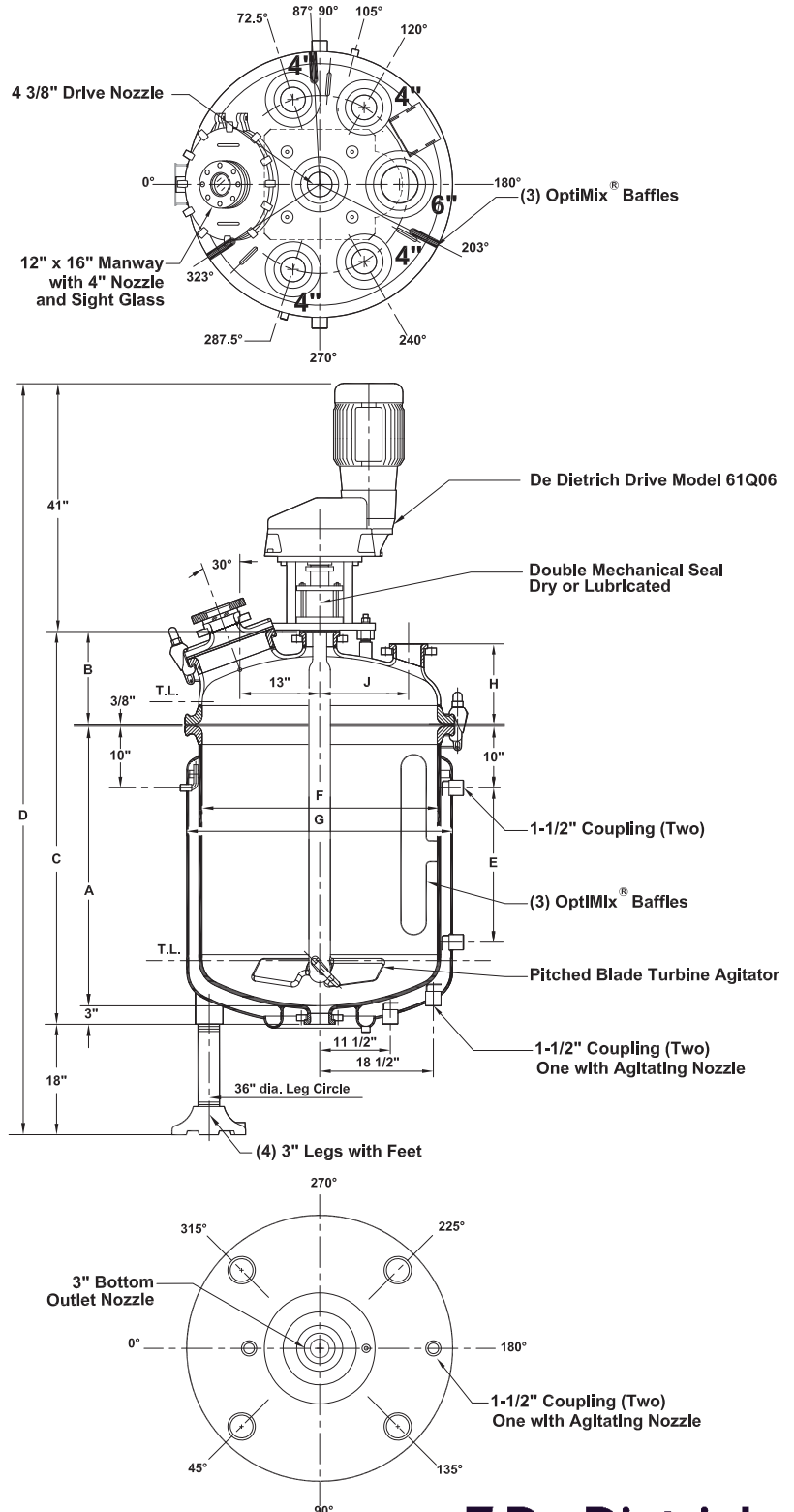
## Series 60 Drive

Motor	3HP
Motor Type	XP
Drive Size	61Q06

- Three Year Warranty
- Low Noise Level
- Helical Gearing

## Pitch Blade Turbine Agitator

Span (inches)	20
Blade Angle	45°
Speed (standard speed)	125 RPM
• Clockwise or Counterclockwise Rotation	



sales@ddpsinc.com 908 317 2585

