

GL-300 300 GALLON JACKETED GLASS-LINED STEEL REACTOR

Specifications

Vessel Design Pressure (psig)	130 and F.V.
Jacket Design Pressure (psig)	100 or 100 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	52.86

Dimensions (inches)

A	32 ³ / ₄
B	12 ¹ / ₈
C	57
D	130 ¹ / ₄
E	24
F (I.D.)	48
G (O.D.)	53 ¹ / ₈
H (nozzle elevations):	
3" nozzle	11
4" nozzle	11 ¹ / ₄
6" nozzle	12 ¹ / ₄

Capacity (gallons)

Working	300
Total Volume	378
Head Volume	62
Per Inch Straight Side	8

Weight (pounds)

Bare Body (no accessories)	3,900
Complete (with drive system)	5,000
Add for Shipping	1,000

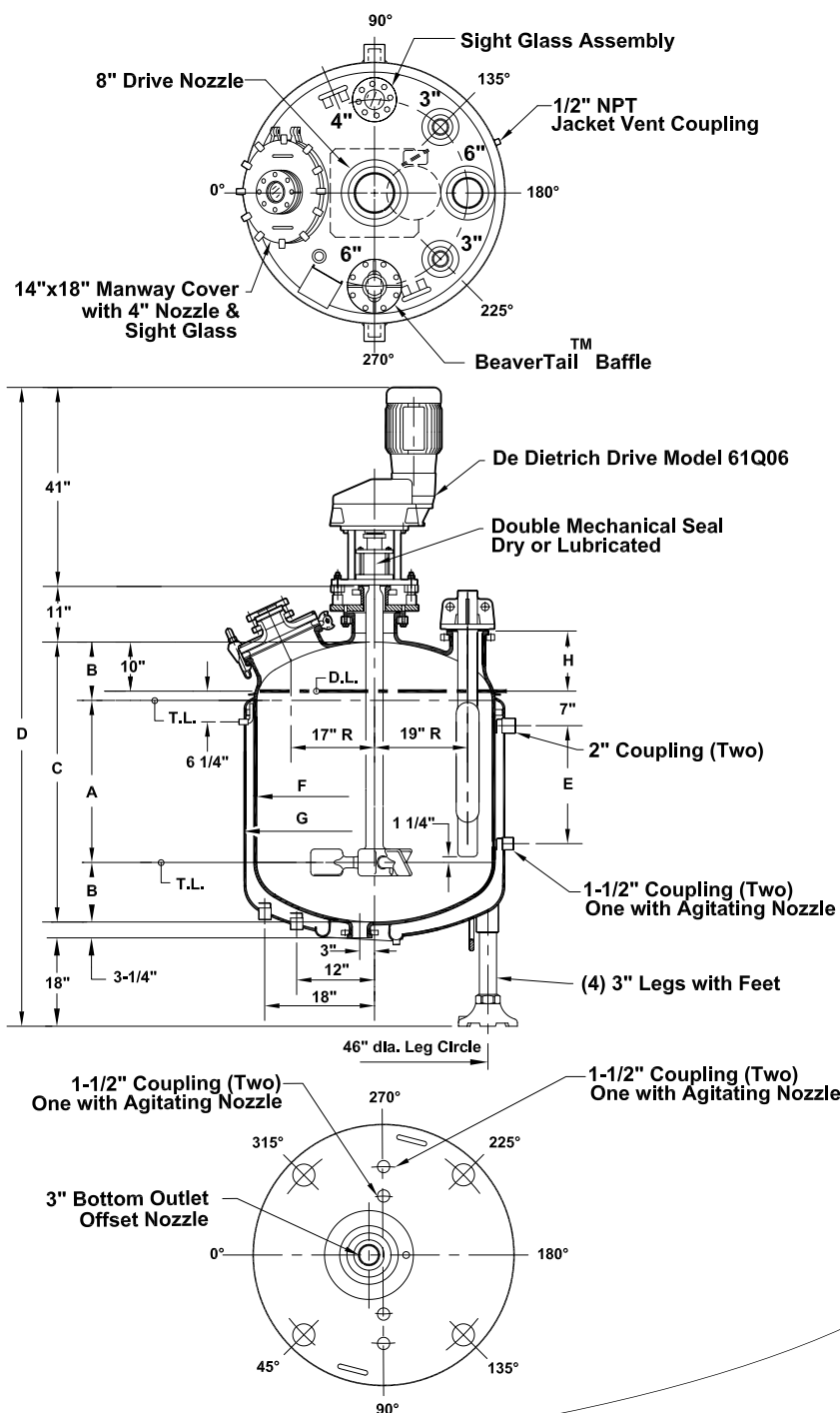
Series 60 Drive

Motor	3HP
Motor Type	XP
Drive Size	61Q06

- Three Year Warranty
- Low Noise Level
- Helical Gearing

GlasLock® Agitator

Span (inches)	26
Speed (standard speed)	125 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



GL-500 500 GALLON JACKETED GLASS-LINED STEEL REACTOR

Specifications

Vessel Design Pressure (psig)	130 and F.V.
Jacket Design Pressure (psig)	100 or 100 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	80

Dimensions (inches)

A	57 ³ / ₄
B	12 ¹ / ₈
C	82
D	155 ¹ / ₄
E	43
F (I.D.)	48
G (O.D.)	53 ¹ / ₈
H (nozzle elevations):	
3" nozzle	11
4" nozzle	11 ¹ / ₄
6" nozzle	12 ¹ / ₄

Capacity (gallons)

Working	500
Total Volume	572
Head Volume	62
Per Inch Straight Side	8

Weight (pounds)

Bare Body (no accessories)	5,000
Complete (with drive system)	6,100
Add for Shipping	1,000

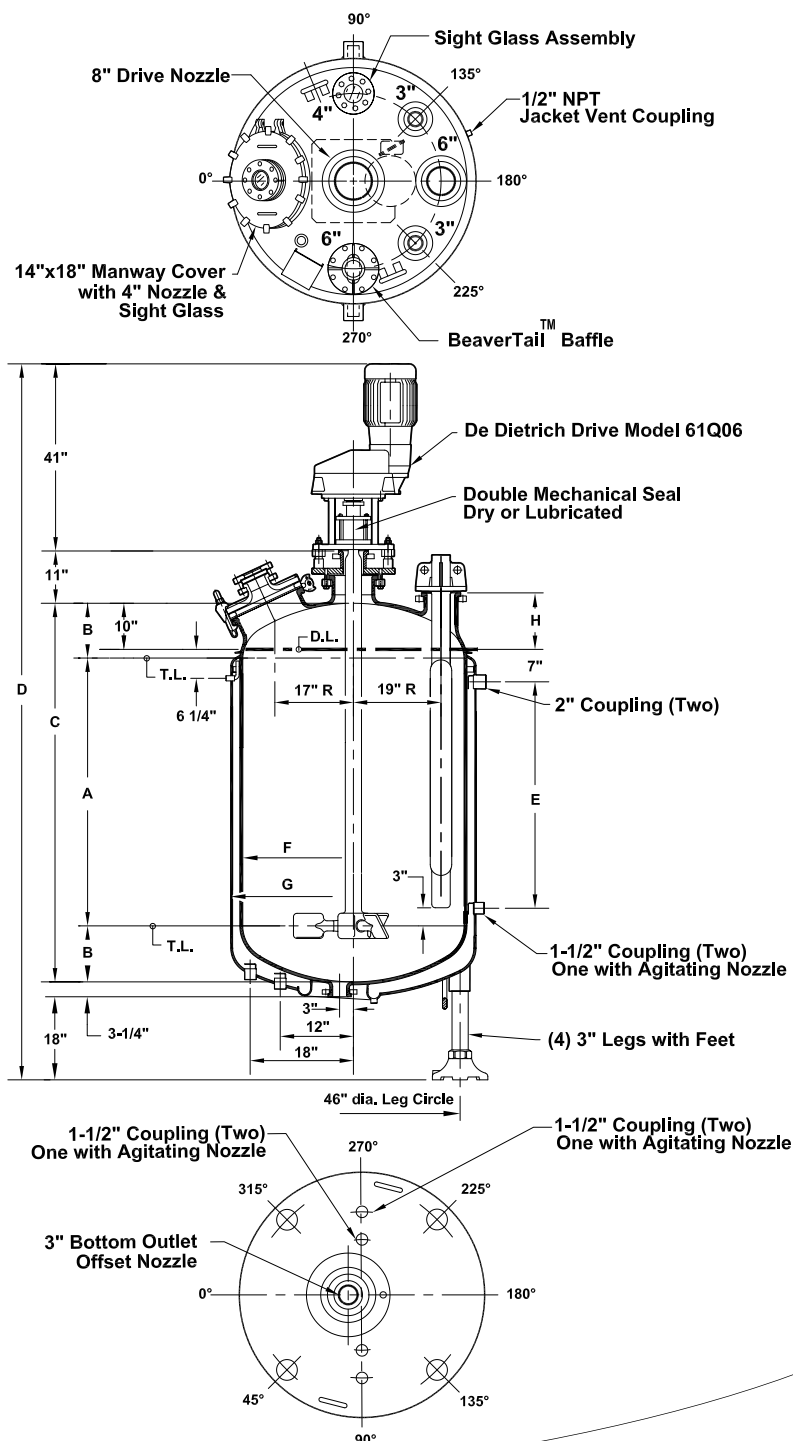
Series 60 Drive

Motor	5HP
Motor Type	XP
Drive Size	61Q06

- Three Year Warranty
- Low Noise Level
- Helical Gearing

GlasLock® Agitator

Span (inches)	26
Speed (standard speed)	125 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



De Dietrich Process Systems, Inc.

244 Sheffield Street
Mountainside, NJ 07092

P 908.317.2585
F 908.889.4960

www.ddpsinc.com
sales@ddpsinc.com

GL-750 750 GALLON JACKETED GLASS-LINED STEEL REACTOR

Specifications

Vessel Design Pressure (psig)	130 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	100

Dimensions (inches)

A	50 ³ / ₄
B	15 ⁵ / ₈
C	82
D	162
E	24 ³ / ₄
F (I.D.)	61 ⁷ / ₁₆
G (O.D.)	66 ¹⁵ / ₁₆
H (nozzle elevations):	
4" nozzle	14
6" nozzle	14 ¹ / ₂
8" nozzle	15 ¹ / ₄

Capacity (gallons)

Working	750
Total Volume	907
Head Volume	129
Per Inch Straight Side	13

Weight (pounds)

Bare Body (no accessories)	7,100
Complete (with drive system)	8,300
Add for Shipping	1,000

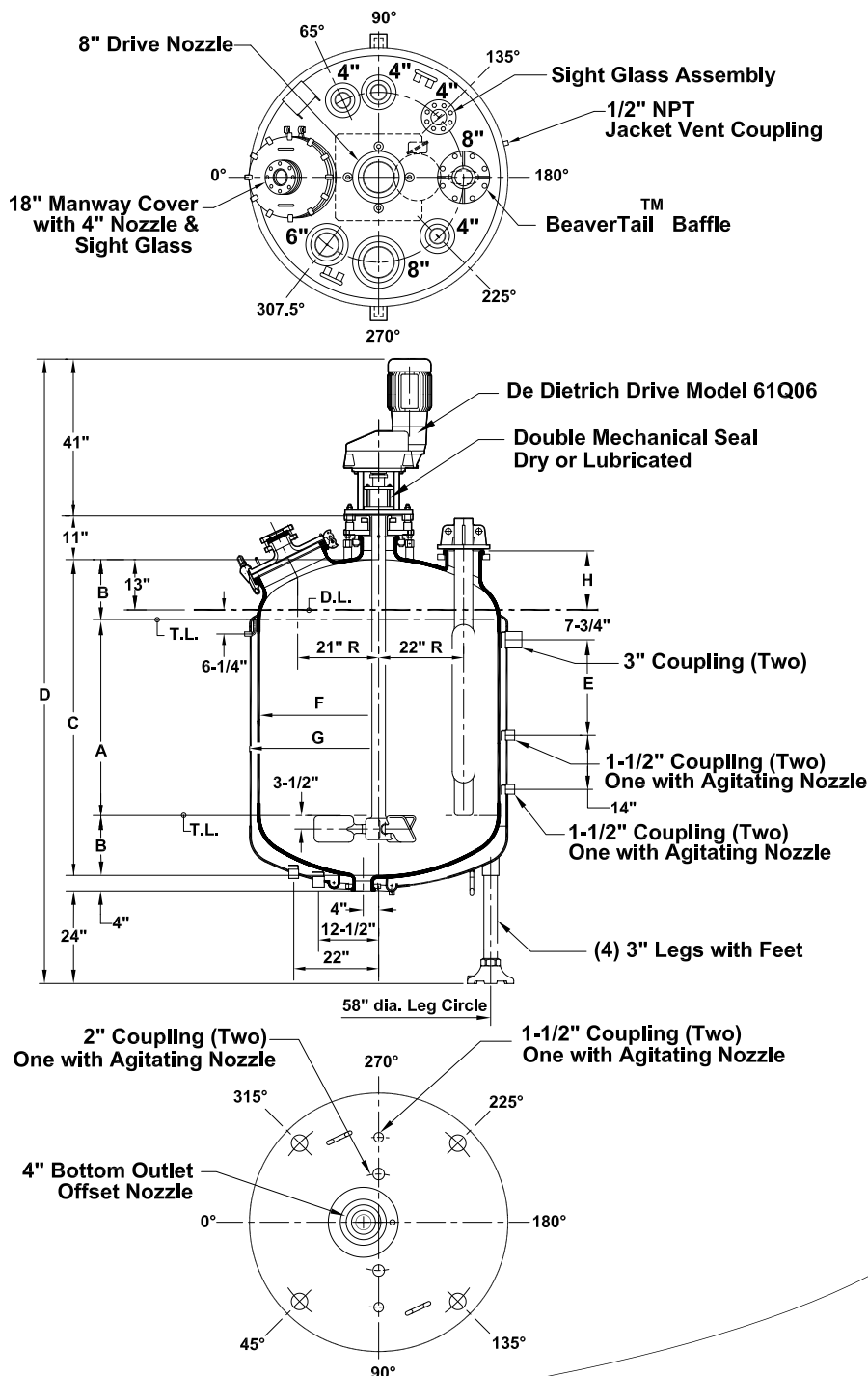
Series 60 Drive

Motor	7.5HP
Motor Type	XP
Drive Size	61Q06

- Three Year Warranty
- Low Noise Level
- Helical Gearing

GlasLock® Agitator

Span (inches)	29 ¹ / ₂
Speed (standard speed)	125 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



GL-1000 1,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

Specifications

Vessel Design Pressure (psig)	130 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	127

Dimensions (inches)

A	70 ³ / ₄
B	15 ⁵ / ₈
C	102
D	184 ¹ / ₂
E	38 ³ / ₄
F (I.D.)	61 ⁷ / ₁₆
G (O.D.)	66 ¹⁵ / ₁₆
H (nozzle elevations):	
4" nozzle	14
6" nozzle	14 ¹ / ₂
8" nozzle	15 ¹ / ₄

Capacity (gallons)

Working	1,000
Total Volume	1,163
Head Volume	129
Per Inch Straight Side	13

Weight (pounds)

Bare Body (no accessories)	8,300
Complete (with drive system)	9,900
Add for Shipping	1,500

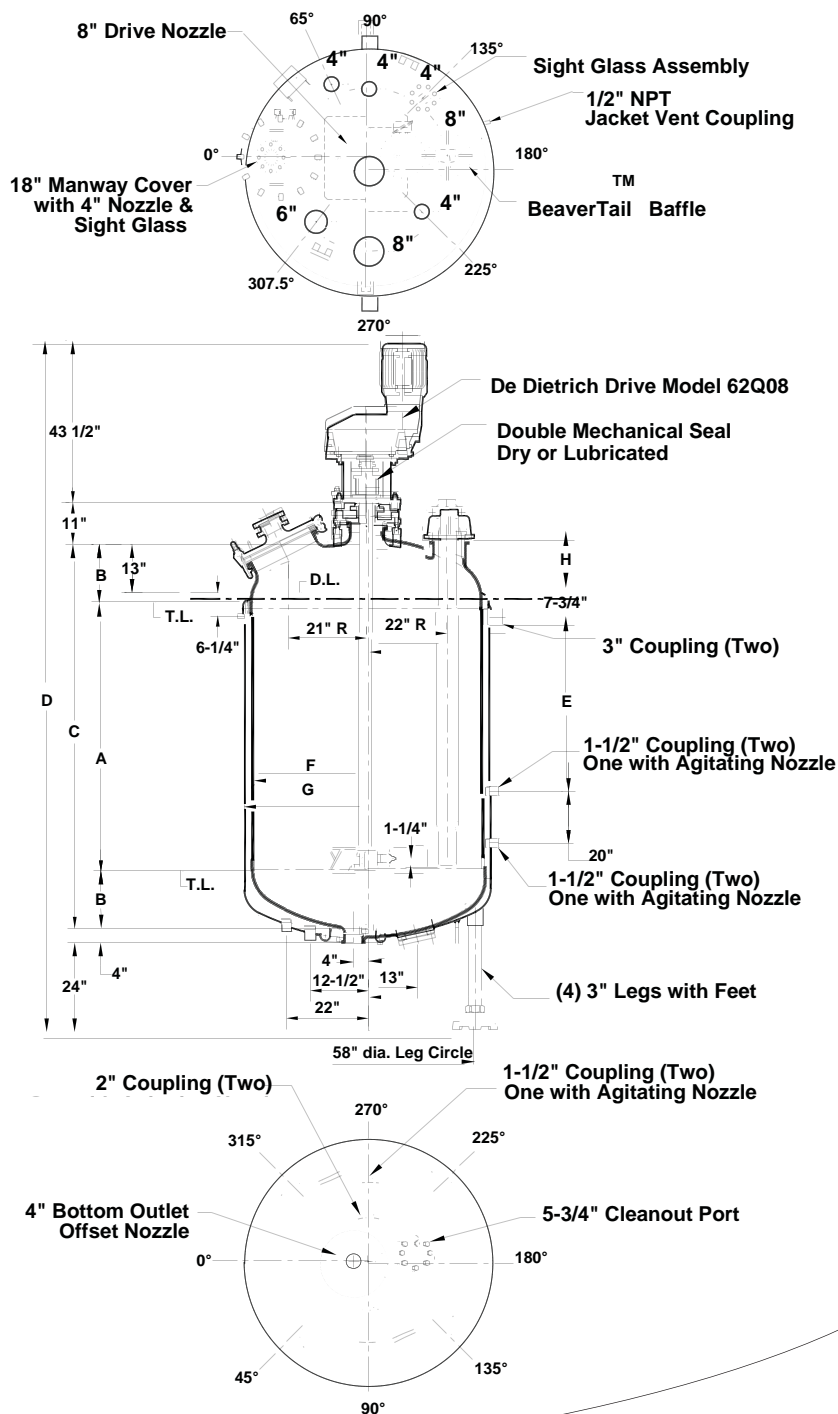
Series 60 Drive

Motor	10HP
Motor Type	XP
Drive Size	62Q08

- Three Year Warranty
- Low Noise Level
- Helical Gearing

GlasLock® Agitator

Span (inches)	29 ¹ / ₂
Speed (standard speed)	125 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



GL-1500 1,500 GALLON JACKETED GLASS-LINED STEEL REACTOR

Specifications

Vessel Design Pressure (psig)	130 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	159

Dimensions (inches)

A	65
B	19 1/2
C	104
D	186 7/8
E	34 1/4
F (I.D.)	76 7/8
G (O.D.)	82 11/16
H (nozzle elevations):	
4" nozzle	16
6" nozzle	17
8" nozzle	17 1/4
10" nozzle	18

Capacity (gallons)

Working	1,500
Total Volume	1,810
Head Volume	254
Per Inch Straight Side	20

Weight (pounds)

Bare Body (no accessories)	12,500
Complete (with drive system)	14,200
Add for Shipping	1,500

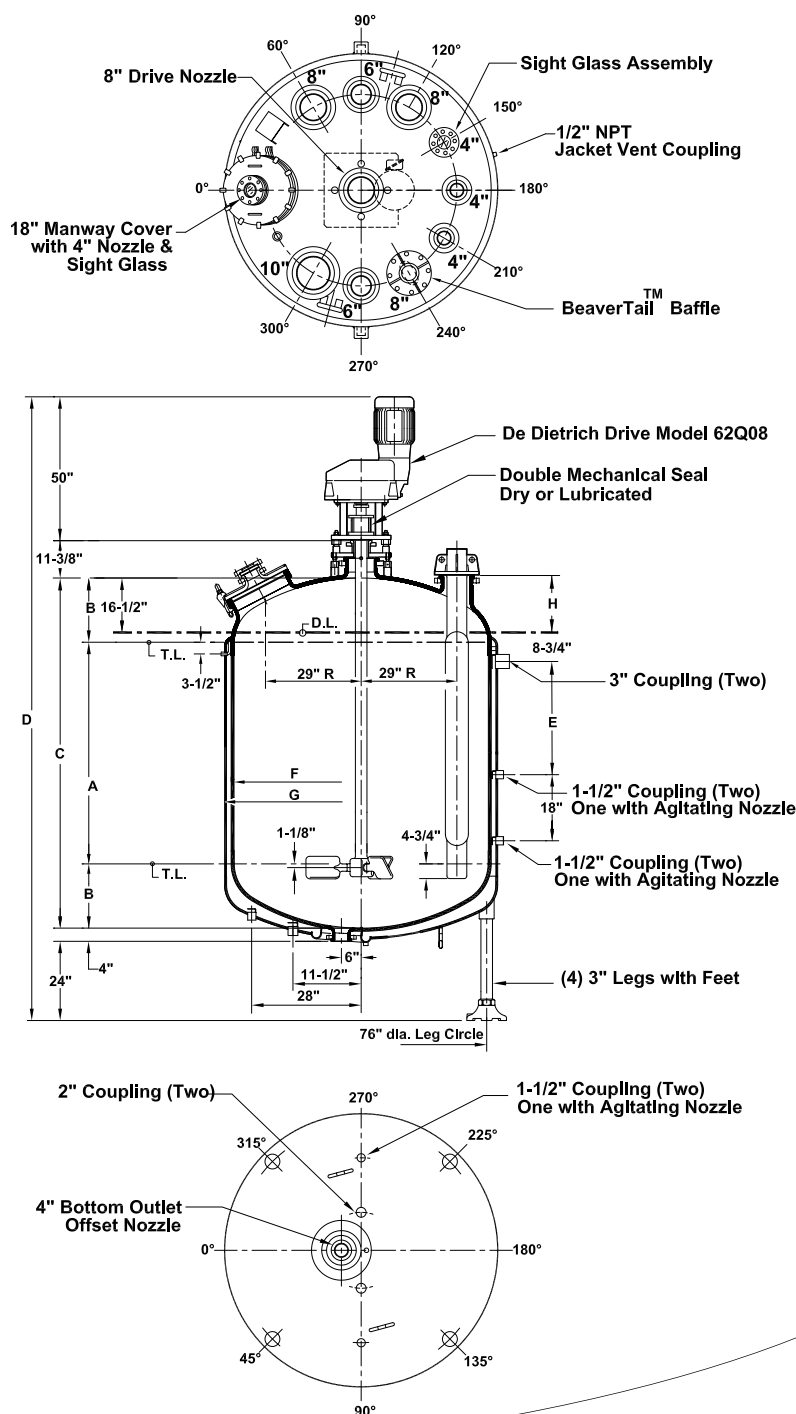
Series 60 Drive

Motor	15HP
Motor Type	XP
Drive Size	62Q08

- Three Year Warranty
- Low Noise Level
- Helical Gearing

GlasLock® Agitator

Span (inches)	33 1/2
Speed (standard speed)	125 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



GL-3000 3,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

Specifications

Vessel Design Pressure (psig)	130 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	241

Dimensions (inches)

A	76
B	24 1/2
C	125
D	216 1/4
E	43
F (I.D.)	96 6/16
G (O.D.)	102 3/8
H (nozzle elevations):	
4" nozzle	18
6" nozzle	18 3/4
8" nozzle	19 1/4
10" nozzle	20

Capacity (gallons)

Working	3,000
Total Volume	3,398
Head Volume	501
Per Inch Straight Side	32

Weight (pounds)

Bare Body (no accessories)	23,350
Complete (with drive system)	25,750
Add for Shipping	1,500

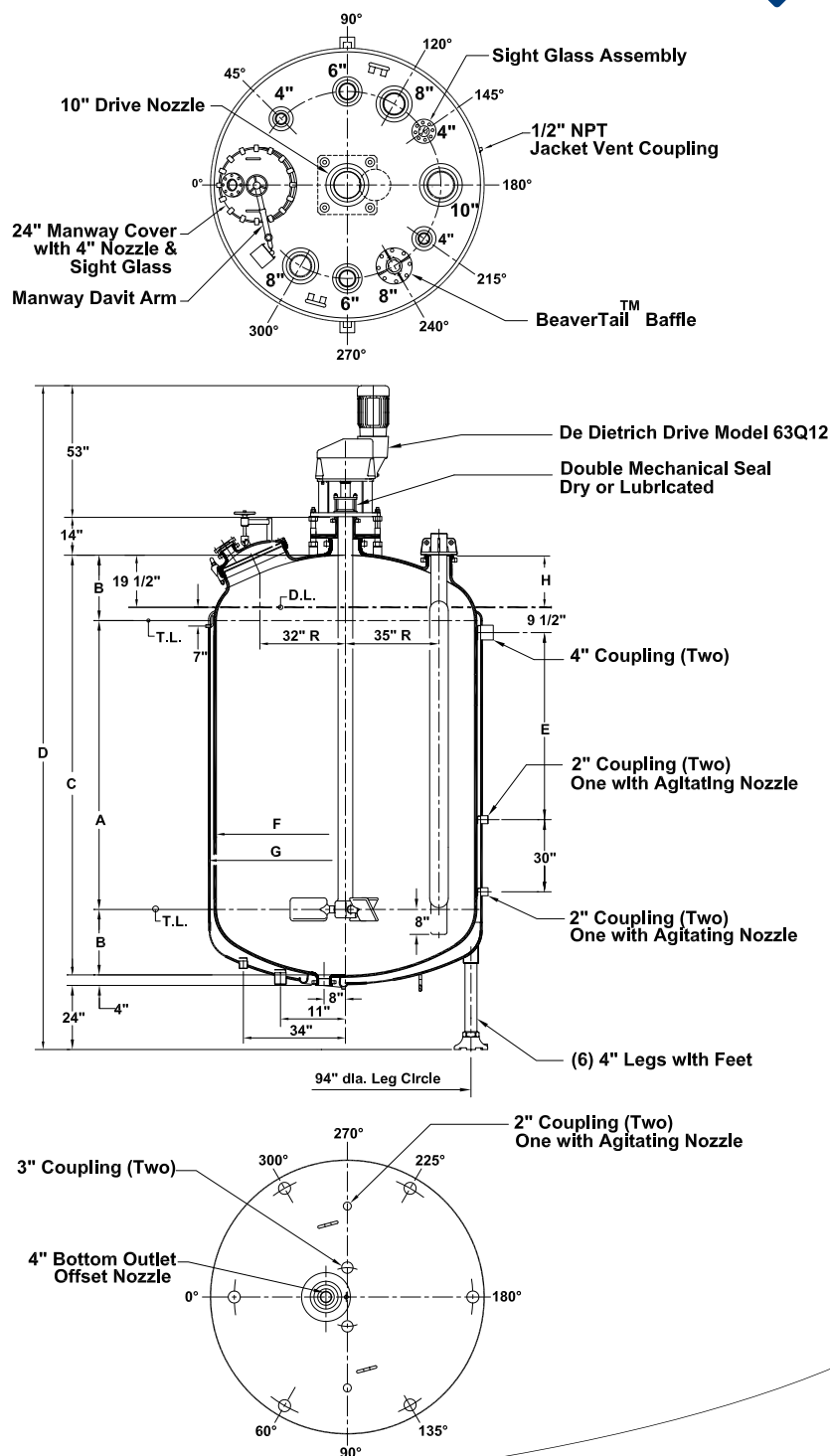
Series 60 Drive

Motor	20HP
Motor Type	XP
Drive Size	63Q12

- Three Year Warranty
- Low Noise Level
- Helical Gearing

GlasLock® Agitator

Span (inches)	41 3/8
Speed (standard speed)	100 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



GL-4000 4,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

Specifications

Vessel Design Pressure (psig)	130 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	310

Dimensions (inches)

A	108
B	24 1/2
C	157
D	248 1/4
E	63
F (I.D.)	96 9/16
G (O.D.)	102 3/8
H (nozzle elevations):	
4" nozzle	18
6" nozzle	18 3/4
8" nozzle	19 1/4
10" nozzle	20

Capacity (gallons)

Working	4,000
Total Volume	4,406
Head Volume	501
Per Inch Straight Side	32

Weight (pounds)

Bare Body (no accessories)	28,100
Complete (with drive system)	31,050
Add for Shipping	1,500

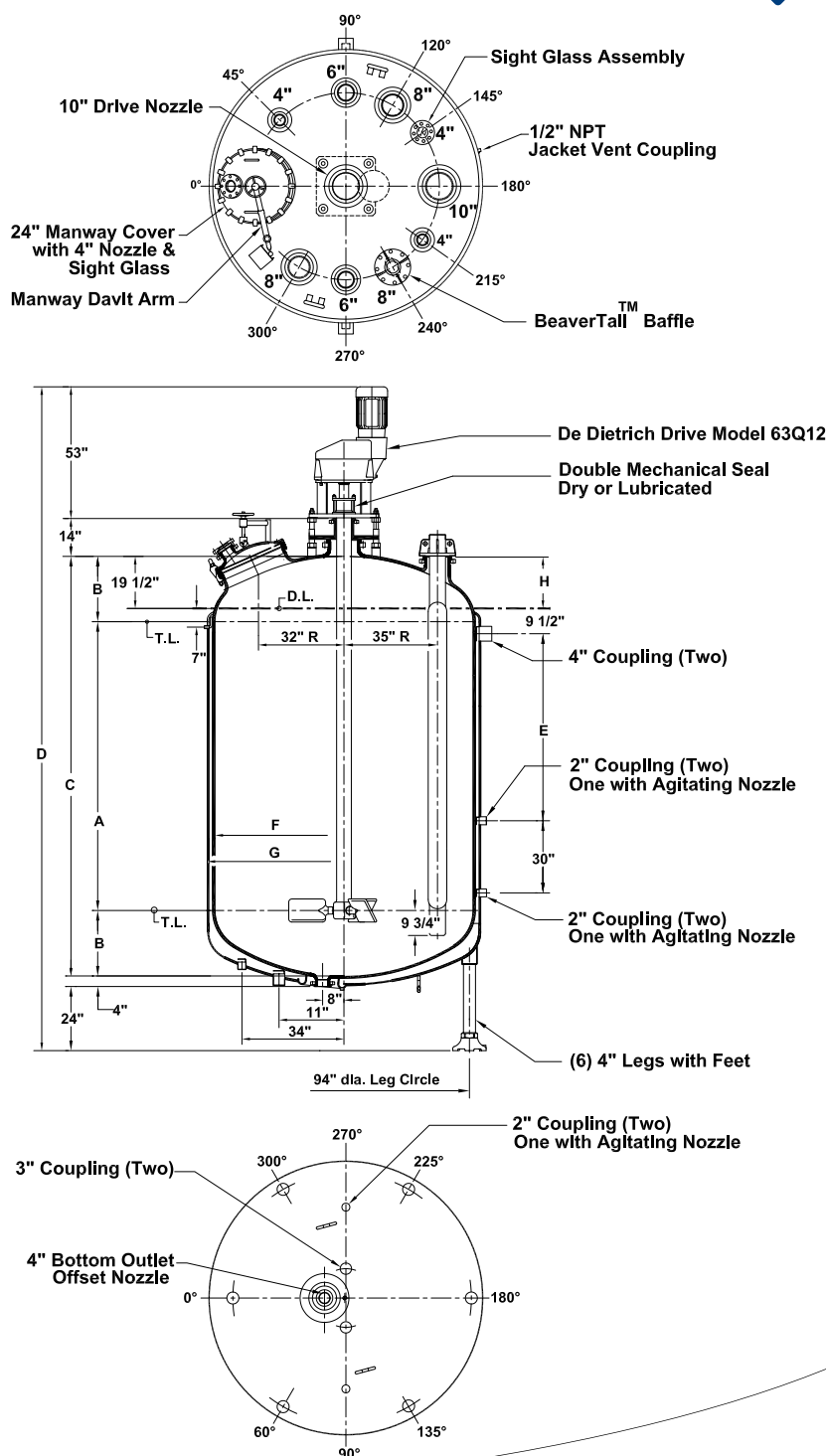
Series 60 Drive

Motor	20HP
Motor Type	XP
Drive Size	63Q12

- Three Year Warranty
- Low Noise Level
- Helical Gearing

GlasLock® Agitator

Span (inches)	41 3/8
Speed (standard speed)	100 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



GL-6000

6,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

Specifications

Vessel Design Pressure (psig)	130 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	414

Dimensions (inches)

A	133 1/4
B	27 3/8
C	188
D	314 3/8
E	47 1/2
F (I.D.)	107 15/16
G (O.D.)	114 3/16
H (nozzle elevations):	
4" nozzle	22 1/4
6" nozzle	23
10" nozzle	25
12" nozzle	25 1/2

Capacity (gallons)

Working	6,000
Total Volume	6,668
Head Volume	703
Per Inch Straight Side	39

Weight (pounds)

Bare Body (no accessories)	38,725
Complete (with drive system)	45,115
Add for Shipping	1,500

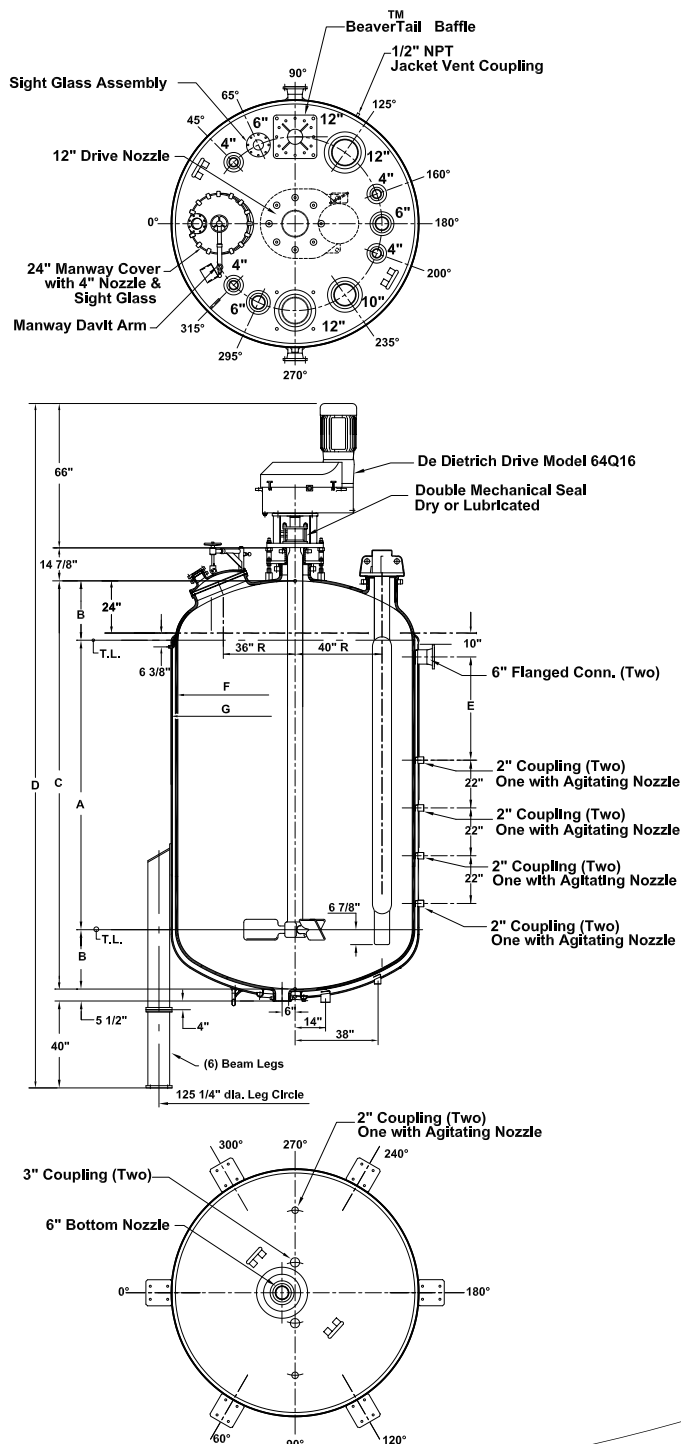
Series 60 Drive

Motor	50HP
Motor Type	XP
Drive Size	64Q16

- Three Year Warranty
- Low Noise Level
- Helical Gearing

GlasLock® Agitator

Span (inches)	47 1/4
Speed (standard speed)	100 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



GL-8000

8,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

Specifications

Vessel Design Pressure (psig)	130 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	491.7

Dimensions (inches)

A	143 ¹ / ₄
B	30 ³ / ₈
C	204
D	333 ³ / ₈
E	55
F (I.D.)	119 ¹¹ / ₁₆
G (O.D.)	126
H (nozzle elevations):	
4" nozzle	25 ¹ / ₂
6" nozzle	26 ¹ / ₂
12" nozzle	28 ³ / ₄

Capacity (gallons)

Working	8,000
Total Volume	8,886
Head Volume	963
Per Inch Straight Side	48

Weight (pounds)

Bare Body (no accessories)	49,950
Complete (with drive system)	57,060
Add for Shipping	1,500

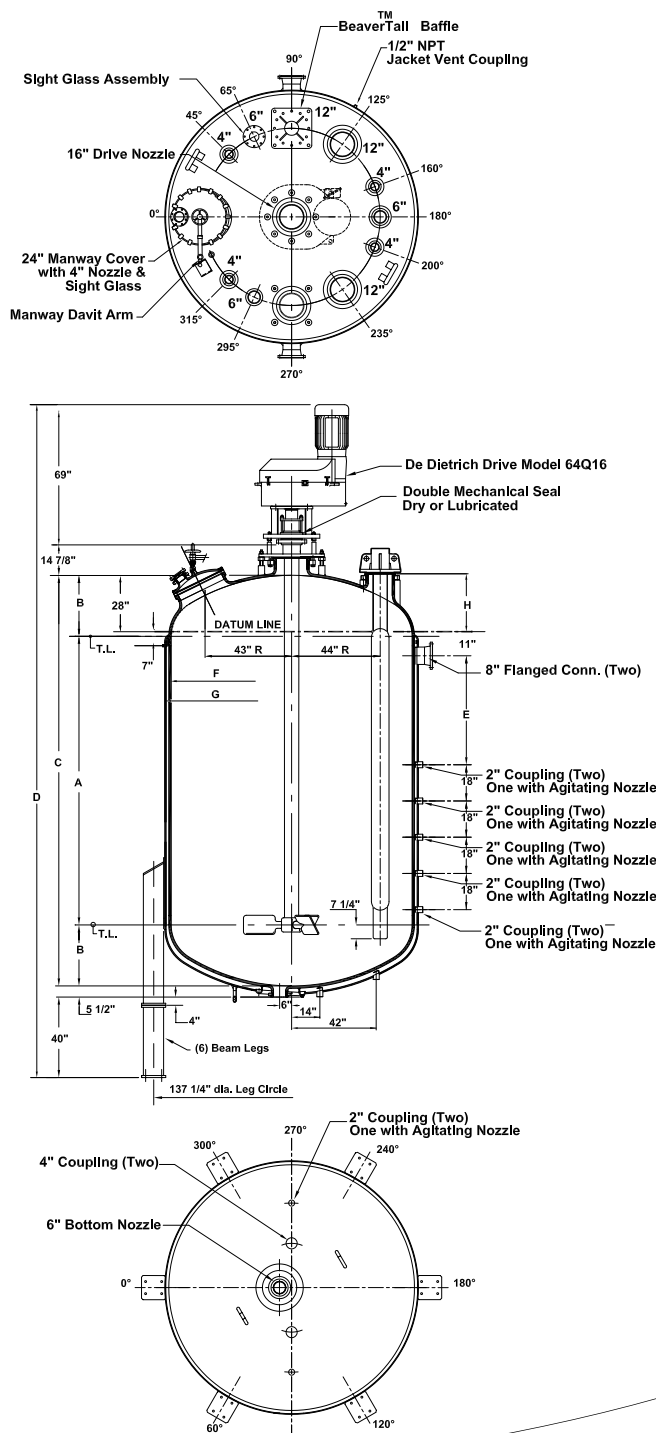
Series 60 Drive

Motor	60HP
Motor Type	XP
Drive Size	64Q16

- Three Year Warranty
- Low Noise Level
- Helical Gearing

GlasLock® Agitator

Span (inches)	54
Speed (standard speed)	100 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



GL-10000

10,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

Specifications

Vessel Design Pressure (psig)	130 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	564.5

Dimensions (inches)

A	147 ³ / ₈
B	33 ⁵ / ₁₆
C	214
D	346 ¹ / ₈
E	75 ¹ / ₂
F (I.D.)	131 ³ / ₈
G (O.D.)	139 ³ / ₄
H (nozzle elevations):	
4" nozzle	26 ³ / ₄
6" nozzle	27 ³ / ₄
12" nozzle	30 ¹ / ₄

Capacity (gallons)

Working	10,000
Total Volume	11,170
Head Volume	1,274
Per Inch Straight Side	58

Weight (pounds)

Bare Body (no accessories)	61,500
Complete (with drive system)	74,000
Add for Shipping	2,000

Series 60 Drive

Motor	60HP
Motor Type	XP
Drive Size	64Q24

- Three Year Warranty
- Low Noise Level
- Helical Gearing

GlasLock® Agitator

Span (inches)	54
Speed (standard speed)	100 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	

