

American-Marsh Pumps Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

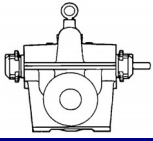
ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
2.5x3-10 HD	1.500	1.378	1.750	1.772	1.181	1.125	Enclosed-6	9.625	7.000	0.188	9.313

Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
2.5x3-10 HD	0.017	6306	6306	16.375	23.125	50000	2.559	2.362	8 - 3/8" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M



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Series 340 HD



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ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
2x3-15 HD	1.500	1.378	1.750	1.772	1.181	1.125	Enclosed-5	14.500	9.875	0.188	11.875

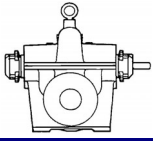
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
2x3-15 HD	0.022	6306	6306	16.375	23.125	50000	2.559	2.362	8 - 3/8" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

2x3-15 HD



American-Marsh Pumps

Series 340 HD



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Horizontal Double Suction Split Case Pumps

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ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
3x4-10 HD	1.500	1.378	1.750	1.772	1.181	1.125	Enclosed-5	9.250	6.875	0.250	17.000

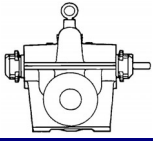
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
3x4-10 HD	0.017	6306	6306	16.375	23.125	50000	2.559	2.362	8 - 3/8" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

3x4-10 HD



American-Marsh Pumps

Series 340 HD



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Horizontal Double Suction Split Case Pumps

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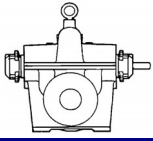
ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
3x4-12 HD	1.500	1.378	1.750	1.772	1.181	1.125	Enclosed-6	11.625	8.500	0.093	15.625

Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
3x4-12 HD	0.017	6306	6306	16.375	23.125	50000	2.559	2.362	8 - 3/8" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

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ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
3x4-15 HD	1.500	1.378	1.750	1.772	1.181	1.125	Enclosed-5	15.500	9.875	0.093	12.875

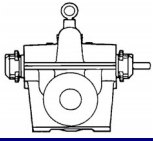
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
3x4-15 HD	0.022	6306	6306	16.375	23.125	50000	2.559	2.362	8 - 3/8" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

3x4-15 HD



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
4x5-12 HD	1.500	1.378	1.750	1.772	1.181	1.125	Enclosed-6	11.875	9.000	0.250	23.063

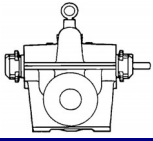
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
4x5-12 HD	0.022	6306	6306	16.375	23.125	50000	2.559	2.362	8 - 3/8" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

4x5-12 HD



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
4x5-15 HD	2.087	1.969	2.375	2.362	1.771	1.625	Enclosed-6	14.625	10.625	0.250	26.063

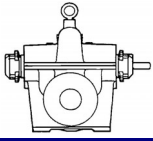
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
4x5-15 HD	0.018	6309	6309	20.313	28.125	50000	3.347	2.756	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

4x5-15 HD



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
4x5-18 HD	2.087	1.969	2.375	2.362	1.771	1.625	Enclosed-6	16.378	15.750	0.093	21.500

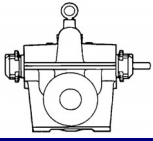
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
4x5-18 HD	0.025	6309	6309	20.313	28.125	50000	3.347	2.795	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

4x5-18 HD



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
4x6-10 HD	2.087	1.969	2.375	2.362	1.771	1.625	Enclosed-5	9.625	7.500	0.375	27.813

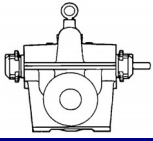
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
4x6-10 HD	0.018	6309	6309	20.313	28.125	50000	3.347	2.756	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

4x6-10 HD



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
5x6-10 HD	1.500	1.378	1.750	1.772	1.181	1.125	Enclosed-6	9.625	7.125	0.563	35.625

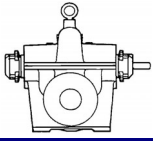
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
5x6-10 HD	0.021	6306	6306	18.875	25.563	50000	2.559	2.362	8 - 3/8" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

5x6-10 HD



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
5x6-11 HD	1.500	1.378	1.750	1.772	1.181	1.125	Enclosed-6	11.250	8.250	0.188	28.375

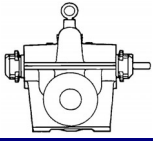
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
5x6-11 HD	0.022	6306	6306	16.375	23.125	50000	2.559	2.362	8 - 3/8" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

5x6-11 HD



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
5x6-12 HD	1.500	1.378	1.750	1.772	1.181	1.125	Enclosed-6	11.875	9.000	0.438	42.438

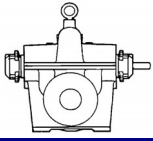
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
5x6-12 HD	0.018	6306	6306	18.875	25.563	50000	2.559	2.362	8 - 3/8" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

5x6-12 HD



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
5x6-15 HD	2.087	1.969	2.375	2.362	1.771	1.625	Enclosed-5	15.000	11.000	0.188	36.813

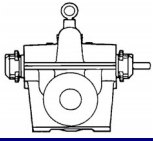
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
5x6-15 HD	0.025	6309	6309	20.313	28.125	50000	3.347	2.795	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

5x6-15 HD



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
5x8-18 HD	2.677	2.520	3.000	2.952	2.362	2.125	Enclosed-6	18.625	16.375	0.125	40.625

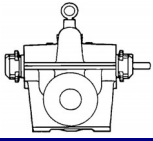
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
5x8-18 HD	0.023	6312	6312	24.875	31.875	50000	3.937	2.913	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

5x8-18 HD



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
6x8-10 HD	1.500	1.378	1.750	1.772	1.181	1.125	Enclosed-5	9.875	8.000	0.750	46.000

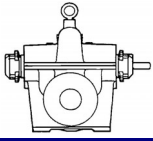
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
6x8-10 HD	0.018	6306	6306	18.875	25.563	50000	2.559	2.362	8 - 3/8" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

6x8-10 HD



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
6x8-12 HD	2.087	1.969	2.375	2.362	1.771	1.625	Enclosed-6	12.750	9.438	0.563	47.188

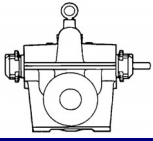
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
6x8-12 HD	0.025	6309	6309	20.313	28.125	50000	3.347	2.795	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

6x8-12 HD



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

October 2004

ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
6x8-15 HD	2.087	1.969	2.375	2.362	1.771	1.625	Enclosed-5	14.750	11.000	0.250	46.688

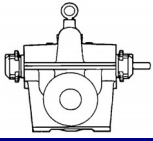
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
6x8-15 HD	0.025	6309	6309	20.313	28.125	50000	3.347	2.795	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

6x8-15 HD



American-Marsh Pumps

Series 340 HD



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Horizontal Double Suction Split Case Pumps

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ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
6x8-18 HD	2.677	2.520	3.000	2.952	2.362	2.125	Enclosed-5	18.750	14.188	0.375	59.000

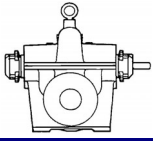
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
6x8-18 HD	0.027	6312	6312	24.875	31.875	50000	3.937	2.913	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

6x8-18 HD



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Series 340 HD



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ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
8x10-12 HD	2.087	1.969	2.375	2.362	1.771	1.625	Enclosed-6	13.375	9.000	0.688	67.750

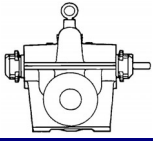
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
8x10-12 HD	0.027	6309	6309	23.937	31.750	50000	3.347	2.795	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

8x10-12 HD



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Series 340 HD



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Horizontal Double Suction Split Case Pumps

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ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
8x10-15 HD	2.677	2.520	3.000	2.952	2.362	2.125	Enclosed-6	15.000	11.750	0.688	75.375

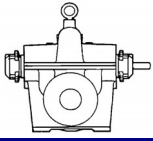
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
8x10-15 HD	0.027	6312	6312	24.875	31.875	50000	3.937	2.913	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

8x10-15 HD



American-Marsh Pumps

Series 340 HD



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Horizontal Double Suction Split Case Pumps

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ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
8x10-18 HD	2.677	2.520	3.000	2.952	2.362	2.125	Enclosed-6	18.875	14.500	0.250	63.625

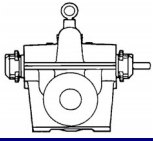
Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
8x10-18 HD	0.027	6312	6312	24.875	31.875	50000	3.937	2.913	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M

HD Horizontal Double Suction Split Case Pumps

8x10-18 HD



American-Marsh Pumps

Series 340 HD



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Horizontal Double Suction Split Case Pumps

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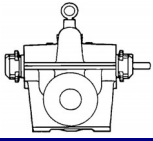
ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
10x10-10 HD	2.087	1.969	2.375	2.362	1.771	1.625	Enclosed-6	10.438	8.750	1.250	72.250

Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
10x10-10 HD	0.027	6309	6309	23.937	31.750	50000	3.347	2.795	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M



American-Marsh Pumps

Series 340 HD



A WILO BRAND

Horizontal Double Suction Split Case Pumps

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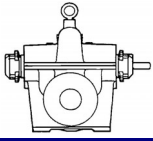
ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
10x10-12 HD	2.087	1.969	2.375	2.362	1.771	1.625	Enclosed-6	12.500	9.875	1.000	51.438

Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
10x10-12 HD	0.027	6309	6309	23.937	31.750	50000	3.347	2.795	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M



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Horizontal Double Suction Split Case Pumps

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ENGINEERING INFORMATION

Pump Model	Shaft						Impeller				
	Diameter @ Impeller	Diameter In Stuffing Box			Diameter @ Bearings	Diameter @ Coupling	Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area
		Less Sleeve	With Sleeve Sealed	With Sleeve Packed							
Units	in.	in.	in.	in.	in.	in.	#	in.	in.	in.	in. ²
10x12-15 HD	2.677	2.520	3.000	2.952	2.362	2.125	Enclosed-6	15.375	12.625	0.938	91.250

Pump Model	Clearances	Bearings					Stuffing Box			Gasket
	Impeller To Case Wear Ring (Max)	Radial	Thrust	Bearing Span (Sealed)	Bearing Span (Packed)	Average L10 Bearing Life (Min)	Bore	Depth	Number of Rings / Size of Packing	Casing Gasket Thickness
Units	in.	Type	Type	in.	in.	hrs.	in.	in.	#	in.
10x12-15 HD	0.027	6312	6312	24.875	31.875	50000	3.937	2.913	8 - 1/2" SQ	0.156

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Rings	Bearing Housing	Impeller	Impeller Wear Rings (Optional)	Shaft	Shaft Sleeves	Packing Housing	Seal Chamber (Optional)
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	Bronze B505 Alloy C83600	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/CI	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Cast Iron A48 Class 30	Stainless Steel A276 Type 420	Bronze B505 Alloy C83600	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/Ni-R	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Cast Iron A48 Class 30	Ni-Resist A436 Grade 2B	Ni-Resist A436 Grade 2B	Stainless Steel A276 Type 420	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
CI/316SS	Cast Iron A48 Class 30	Stainless Steel A-494 Grade WM88	Cast Iron A48 Class 30	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Cast Iron A48 Class 30	Cast Iron A48 Class 30
ALL 316SS	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M	Stainless Steel A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Stainless Steel A743 Grade CF8M