

American-Marsh Pumps

Series 300 REC/REI



A WILO BRAND

Close-Coupled End Suction Pumps

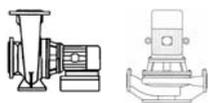
August 2004

ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
1.5x2.5-5 2.5x2.5-5A	0.750	0.945	1.250	Enclosed-6	5.500	3.875	0.313	4.750	0.016	N/A	1.250	2.189	1.756

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



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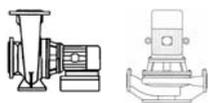
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
2x2.5-5 2.5x2.5-5B	0.750	0.945	1.250	Enclosed-6	5.500	4.375	0.500	8.125	0.016	0.040	1.250	2.189	1.756

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



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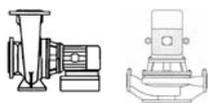
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
1.5x2.5-7 2.5x2.5-7A	0.750	0.945	1.250	Enclosed-6	6.875	5.125	0.188	4.188	0.016	0.080	1.250	2.189	1.756

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



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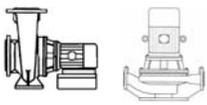
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
2x2.5-7 2.5x2.5-7B	0.750	0.945	1.250	Enclosed-6	6.875	5.250	0.500	7.375	0.016	0.040	1.250	2.189	1.756

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



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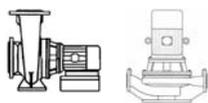
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Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
1.5x2.5-8 2.5x2.5-8A	0.750	0.945	1.250	Enclosed-6	8.375	6.500	0.188	3.938	0.016	0.040	1.250	2.185	1.752

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



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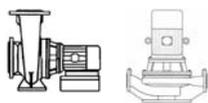
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Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
2x2.5-8 2.5x2.5-8B	0.750	0.945	1.250	Enclosed-6	8.375	6.500	0.250	7.875	0.016	0.040	1.250	2.185	1.752

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



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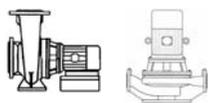
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Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
1.5x2.5-10 2.5x2.5-10A	0.750	0.945	1.250	Enclosed-6	10.375	8.000	0.188	7.188	0.016	0.040	1.250	2.185	1.752

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



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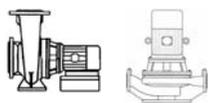
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Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
2x2.5-10 2.5x2.5-10B	0.750	0.945	1.250	Enclosed-7	10.375	8.000	0.188	9.563	0.016	0.040	1.250	2.185	1.752

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



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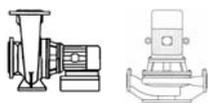
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Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
1.5x2.5-13 2.5x2.5-13A	1.125	1.260	1.625	Enclosed-7	13.000	10.000	0.125	5.875	0.018	F/R WR	1.625	2.756	2.421

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



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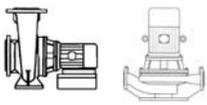
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Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
1.25x2-7 2x2-7	0.750	0.945	1.250	Enclosed-6	6.875	5.000	0.125	3.625	0.014	0.080	1.250	2.189	1.756

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

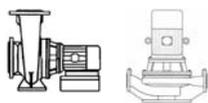
August 2004

ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
1.25x2-8 2x2-8	0.750	0.945	1.250	Enclosed-4	8.375	6.500	0.188	4.188	0.016	0.040	1.250	2.185	1.752

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

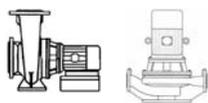
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
1.25x2-10 2x2-10	0.750	0.945	1.250	Enclosed-6	10.375	8.250	0.031	4.563	0.016	0.040	1.250	2.185	1.752

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

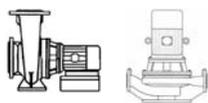
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
2.5x3-5 3x3-5	0.750	0.945	1.250	Enclosed-7	5.500	5.125	0.625	10.688	0.016	0.040	1.250	2.189	1.756

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

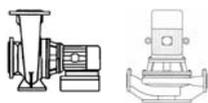
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
2.5x3-7 3x3-7	0.750	0.945	1.250	Enclosed-7	6.875	5.000	0.625	12.063	0.016	0.120	1.250	2.189	1.756

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

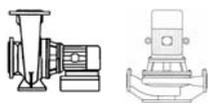
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
2.5x3-8 3x3-8	0.750	0.945	1.250	Enclosed-6	8.375	6.500	0.625	11.500	0.016	0.040	1.250	2.185	1.752

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

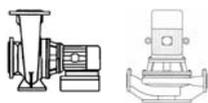
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
2.5x3-10 3x3-10	1.125	1.260	1.625	Enclosed-6	10.375	8.000	0.313	11.875	0.016	0.040	1.625	2.756	2.224

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

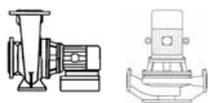
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
2.5x3-13 3x3-13	1.125	1.260	1.625	Enclosed-7	13.000	10.000	0.250	13.250	0.018	F/R WR	1.625	2.756	2.224

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

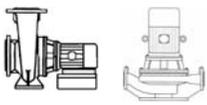
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
3x4-7 4x4-7	0.750	0.945	1.250	Enclosed-7	6.750	5.750	1.125	16.188	0.018	0.040	1.250	2.189	1.756

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

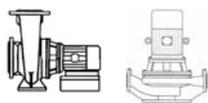
August 2004

ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
3x4-8 4x4-8	1.125	1.260	1.625	Enclosed-6	8.500	6.500	0.750	16.188	0.018	0.020	1.625	2.756	2.106

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

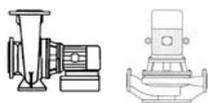
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve	Diameter In Seal Chamber										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
3x4-10 4x4-10	1.125	1.260	1.625	Enclosed-6	10.375	8.000	0.625	14.875	0.018	0.060	1.625	2.756	2.224

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

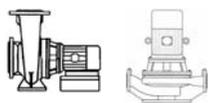
August 2004

ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
3x4-13 4x4-13	1.125	1.260	1.625	Enclosed-7	13.000	10.000	0.313	16.563	0.018	F/R WR	1.625	2.756	2.224

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

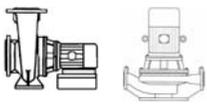
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
3x4-16 4x4-16	1.500	1.732	2.125	Enclosed-7	16.000	12.500	0.250	16.563	0.018	F/R WR	2.125	3.347	3.047

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

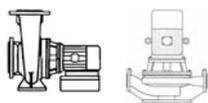
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
4x5-8 5x5-8	1.125	1.260	1.625	Enclosed-7	8.500	6.875	0.875	22.500	0.019	0.060	1.625	2.756	2.106

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

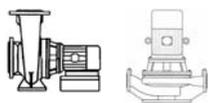
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
4x5-10 5x5-10	1.125	1.260	1.625	Enclosed-7	10.375	8.000	0.750	23.000	0.019	0.040	1.625	2.756	2.067

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

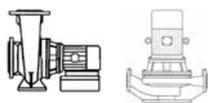
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve	Diameter In Seal Chamber										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
4x5-13 5x5-13	1.125	1.260	1.625	Enclosed-7	13.000	10.000	0.500	23.125	0.019	F/R WR	1.625	2.756	2.224

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

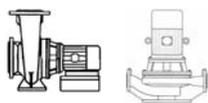
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve	Diameter In Seal Chamber										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
4x5-16 5x5-16	1.500	1.732	2.125	Enclosed-6	16.125	12.500	0.375	23.000	0.019	F/R WR	2.125	3.347	3.047

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

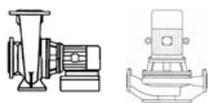
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
5x6-8 6x6-8	1.125	1.260	1.625	Enclosed-7	8.500	7.625	1.000	31.688	0.019	0.060	1.625	2.756	2.106

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

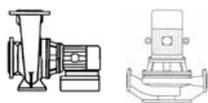
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
5x6-10 6x6-10	1.125	1.260	1.625	Enclosed-6	10.375	8.000	0.750	31.250	0.019	0.060	1.625	2.756	2.067

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

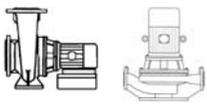
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
5x6-13 6x6-13	1.500	1.732	2.125	Enclosed-6	13.000	10.000	0.750	30.250	0.019	F/R WR	2.125	3.347	3.008

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

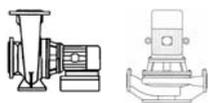
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
5x6-16 6x6-16	1.500	1.732	2.125	Enclosed-6	16.125	12.625	0.750	31.063	0.018	F/R WR	2.125	3.347	3.047

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

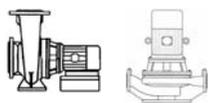
August 2004

ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
6x8-8 8x8-8	1.125	1.260	1.625	Enclosed-6	8.625	7.500	1.750	33.125	0.019	F/R WR	1.625	2.756	1.417

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

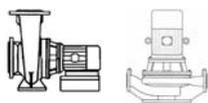
August 2004

ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
6x8-10 8x8-10	1.500	1.732	2.125	Enclosed-7	10.375	8.000	1.375	38.438	0.019	F/R WR	2.125	3.347	2.811

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

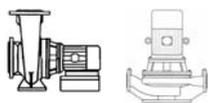
August 2004

ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
6x8-13 8x8-13	1.500	1.732	2.125	Enclosed-6	13.000	10.000	1.125	38.250	0.019	F/R WR	2.125	3.347	3.008

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

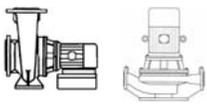
August 2004

ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vaness	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
6x8-16 8x8-16	1.500	1.732	2.125	Enclosed-7	16.125	12.625	1.000	40.250	0.020	F/R WR	2.125	3.347	3.047

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

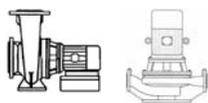
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ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller	Diameter In Seal Chamber		Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
		Less Sleeve	With Sleeve										
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
8x10-10 10x10-10	1.500	1.732	2.125	Enclosed-6	10.437	8.000	1.500	46.375	0.020	F/R WR	2.125	3.347	2.811

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

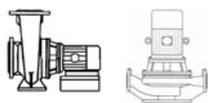
August 2004

ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
8x10-13 10x10-13	2.000	2.165	2.750	Enclosed-6	13.000	10.625	1.500	72.875	0.020	F/R WR	2.750	4.134	3.969

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30



American-Marsh Pumps Series 300 REC/REI



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Close-Coupled End Suction Pumps

August 2004

ENGINEERING INFORMATION

Pump Model REC & REI	Shaft			Impeller					Clearances		Sleeve	Seal Chamber	
	Diameter @ Impeller			Type / Number Of Vanes	Maximum Diameter	Minimum Diameter	Maximum Solids Diameter	Eye Area	Impeller To Case Wear Ring (Max)	Pump Out Vanes to Stuffing Box	O.D. Thru Stuffing Box	Bore	Depth
	Less Sleeve	With Sleeve											
Units	in.	in.	in.	in.	in.	in.	in.	in. ²	in.	in.	in.	in.	in.
8x10-16 10x10-16	2.000	2.165	2.750	Enclosed-6	16.000	12.625	1.500	68.375	0.020	F/R WR	2.750	4.134	3.850

MATERIALS OF CONSTRUCTION

Pump Const.	Casing	Case Wear Ring(s)	Impeller	Impeller Wear Ring (Optional)	Shaft	Shaft Sleeve	Seal Chamber	Motor Bracket
CI/BZ	Cast Iron A48 Class 30	Bronze B505 Alloy C83600	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	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	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	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 A-494 Grade WM88	Stainless Steel A276 Type 316	Stainless Steel A276 Type 316	Stainless Steel A743 Grade CF8M	Cast Iron A48 Class 30