		CH	HEMINEER™ AGI	TATOR DATASHI	EET		
	Mixer Ref:	Fauinment #	534Na - Caustic	Dosing Mixer / I	Mixer Δ		
	Printed By:		JCO.NET 09-Dec-		VIIACI A		
	Software:		Solver 0.5.5.188				
Model No.:	11MRL-1.5		Shipping Wei		663 lb		
Type of Application:	Unspecified	Unspecified		Design Conditions:		0.0 PSIG at 225.0 °F	
Industry:	Unspecified		Hazardous Ar	ea:	No		
TANK	DETAILS					П	
Tank Configuration:	Cylindrical		i	114.6 in		W534NA-A	
Tank Size:	84.0 in dia.		1				
Straight Side:	108.0 in					19-A-766	
Top Shape:	Flat					10 / 100	
Bottom Shape:	Conical; Dep	th: 22.5 in	108.0	In			
No. Baffles:	(3) @ 120°						
Baffles Width:	7.3 in]				
Baffles Wall Clearance:	1.2 in]				
Baffles Height:	108.0 in		1			J	
	•		T 22.5	in			
Agitator Orientation:	Vertical, on-c	enter	—		_/		
Agit. Mounting Surface:	Structural No	zzle w/Flange		₩ 84	.0 In	•	
Agit. Mounting Height:	5.9 in above	tank top					
		DRIVE CON	FIGURATION				
Type and Options:	Gear Drive; I	Nominal Speed:	84 RPM; Rotation	on Direction: Clo	ockwise;		
	Paint: Two Part Polyurethane						
	Faille, IWO F	art Polyurethan	e				
Motor:			e RPM; Frame: Ni	EMA 145TC; Su _l	oply: AC; Volt	age: 230/460V;	
Motor:	Power: 1.5 H	P; Speed: 1800				-	
Motor:	Power: 1.5 H Phase: 3-Ph;	P; Speed: 1800 Frequency: 60 I	RPM; Frame: NI	remium; Service	Duty: Severe	;	
	Power: 1.5 H Phase: 3-Ph; Enclosure: TE	P; Speed: 1800 Frequency: 60 I FC; Service Fac	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max.	remium; Service . Ambient: 104.0	e Duty: Severe O°F; Mounting	g: CFACE	
Motor: Gearbox: Shaft-Tank Seal:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE	P; Speed: 1800 Frequency: 60 l FC; Service Fac neer MR; Size: #	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. #11; Lubricant: (remium; Service . Ambient: 104.0	e Duty: Severe O°F; Mounting	g: CFACE	
Gearbox:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin	P; Speed: 1800 Frequency: 60 l FC; Service Fac neer MR; Size: # l; Material: Niti	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. #11; Lubricant: (remium; Service Ambient: 104.0	e Duty: Severe O°F; Mounting	g: CFACE	
Gearbox: Shaft-Tank Seal:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemir Type: Lip Sea Flange: 14" 1	P; Speed: 1800 Frequency: 60 I FC; Service Fac neer MR; Size: # I; Material: Niti 50# ANSI Raisec	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. \$11; Lubricant: C rile Rubber	remium; Service Ambient: 104.0 Dil (R&O); Service Steel Solid	e Duty: Severe O°F; Mounting	g: CFACE	
Gearbox: Shaft-Tank Seal:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemir Type: Lip Sea Flange: 14" 1	P; Speed: 1800 Frequency: 60 I FC; Service Fac neer MR; Size: # I; Material: Niti 50# ANSI Raisec	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. £11; Lubricant: C rile Rubber I-Face; Material	remium; Service Ambient: 104.0 Dil (R&O); Service Steel Solid	e Duty: Severe O°F; Mounting	g: CFACE	
Gearbox: Shaft-Tank Seal: Drive Mounting:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1	P; Speed: 1800 Frequency: 60 I FC; Service Fac neer MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS	RPM; Frame: NI Hz; Efficiency: Pr tor: 1.15+; Max. #11; Lubricant: C rile Rubber I-Face; Material CONFIGURATION	remium; Service Ambient: 104.0 Dil (R&O); Service Steel Solid	e Duty: Severe) °F; Mounting ce Rating: Clas	s; g: CFACE s III	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1	P; Speed: 1800 Frequency: 60 I FC; Service Fac neer MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. \$11; Lubricant: Crile Rubber H-Face; Material CONFIGURATION Material:	remium; Service Ambient: 104.0 Dil (R&O); Service Steel Solid	Duty: Severe Down Severe Down Severe Down Severe Down Severe Down Severe	s; g: CFACE s III	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1	P; Speed: 1800 Frequency: 60 I FC; Service Fac neer MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. \$11; Lubricant: Crile Rubber H-Face; Material CONFIGURATION Material:	remium; Service Ambient: 104.0 Dil (R&O); Service Steel Solid	Duty: Severe Down Severe Down Severe Down Severe Down Severe Down Severe	s; g: CFACE s III	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemir Type: Lip Sea Flange: 14" 1	P; Speed: 1800 Frequency: 60 I FC; Service Fac neer MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. †11; Lubricant: C rile Rubber H-Face; Material CONFIGURATION Material: Finish:	remium; Service . Ambient: 104.0 Dil (R&O); Service : Steel Solid	Duty: Severe Down Severe Down Severe Down Severe Down Severe Down Severe	s; g: CFACE s III	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location	P; Speed: 1800 Frequency: 60 I FC; Service Fac neer MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut	RPM; Frame: NI Hz; Efficiency: Pr tor: 1.15+; Max. #11; Lubricant: Cr rile Rubber I-Face; Material CONFIGURATION Material: Finish: Pumping	remium; Service . Ambient: 104.0 Dil (R&O); Service : Steel Solid	Duty: Severe Down Severe Down Severe Down Severe Down Severe Down Severe	s; g: CFACE s III	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from	P; Speed: 1800 Frequency: 60 I FC; Service Fac neer MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut	RPM; Frame: NI Hz; Efficiency: Pr tor: 1.15+; Max. #11; Lubricant: Cr rile Rubber I-Face; Material CONFIGURATION Material: Finish: Pumping	remium; Service . Ambient: 104.0 Dil (R&O); Service : Steel Solid N Options:	Duty: Severe Down Severe Down Severe Down Severe Down Severe Down Severe	g: CFACE s III	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners: Station: Impeller, XE-3	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from Mounting: 58.0 in	P; Speed: 1800 Frequency: 60 I FC; Service Face The Part Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut Diameter: 35.00 in	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. £11; Lubricant: C rile Rubber H-Face; Material CONFIGURATION Material: Finish: Pumping Direction: Down	remium; Service . Ambient: 104.0 Dil (R&O); Service : Steel Solid N Options: Hub Attachm Blade Attach	Steel Chemineer Chemit Welded t	s; g: CFACE s III standard to shaft; to hub	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners: Station:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from Mounting:	P; Speed: 1800 Frequency: 60 I FC; Service Fac neer MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut Diameter:	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. #11; Lubricant: Crile Rubber H-Face; Material CONFIGURATION Material: Finish: Pumping Direction:	remium; Service . Ambient: 104.0 Dil (R&O); Service : Steel Solid N Options: Hub Attachm Blade Attach Hub Attachm	Steel Chemineer Chemi: Welded to ment: Welded to the	s; g: CFACE s III standard sto shaft; to hub	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners: Station: Impeller, XE-3	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from Mounting: 58.0 in	P; Speed: 1800 Frequency: 60 I FC; Service Face The Er MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut Diameter: 35.00 in	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. #11; Lubricant: Crile Rubber H-Face; Material CONFIGURATION Material: Finish: Pumping Direction: Down Down	remium; Service . Ambient: 104.0 Dil (R&O); Service : Steel Solid N Options: Hub Attachm Blade Attach Hub Attachm	Steel Chemineer Chemit Welded t	s; g: CFACE s III standard sto shaft; to hub	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners: Station: Impeller, XE-3 Impeller, XE-3	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemir Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from Mounting: 58.0 in	P; Speed: 1800 Frequency: 60 I FC; Service Face The Er MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut Diameter: 35.00 in	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. £11; Lubricant: C rile Rubber H-Face; Material CONFIGURATION Material: Finish: Pumping Direction: Down	remium; Service . Ambient: 104.0 Dil (R&O); Service : Steel Solid N Options: Hub Attachm Blade Attach Hub Attachm Blade Attach	Steel Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer	s; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners: Station: Impeller, XE-3 Impeller, XE-3 Process Stage:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from Mounting: 58.0 in 109.0 in	P; Speed: 1800 Frequency: 60 I FC; Service Face The Pick of the Pi	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. #11; Lubricant: Crile Rubber H-Face; Material CONFIGURATION Material: Finish: Pumping Direction: Down Down SS DATA Pressure:	remium; Service . Ambient: 104.0 Dil (R&O); Service : Steel Solid N Options: Hub Attachm Blade Attach Hub Attachm Blade Attach Temp.:	Steel Chemineer Steel Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer	s; g: CFACE s III standard standard sto shaft; to hub so shaft; to hub	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners: Station: Impeller, XE-3 Impeller, XE-3 Process Stage:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemir Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from Mounting: 58.0 in 109.0 in	P; Speed: 1800 Frequency: 60 I FC; Service Face Deer MR; Size: # I; Material: Niti SO# ANSI Raised WETTED PARTS and nut Diameter: 35.00 in PROCES	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. #11; Lubricant: Crile Rubber H-Face; Material CONFIGURATION Material: Finish: Pumping Direction: Down Down SS DATA	remium; Service . Ambient: 104.0 Dil (R&O); Service : Steel Solid N Options: Hub Attachm Blade Attach Hub Attachm Blade Attach	Steel Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer	s; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners: Station: Impeller, XE-3 Impeller, XE-3	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from Mounting: 58.0 in 109.0 in	P; Speed: 1800 Frequency: 60 I FC; Service Face Theer MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut Diameter: 35.00 in PROCE: Volume: 2,408 gal	RPM; Frame: NI Hz; Efficiency: Pi tor: 1.15+; Max. #11; Lubricant: Crile Rubber H-Face; Material CONFIGURATION Material: Finish: Pumping Direction: Down Down SS DATA Pressure:	remium; Service . Ambient: 104.0 Dil (R&O); Service : Steel Solid N Options: Hub Attachm Blade Attach Hub Attachm Blade Attach Temp.:	Steel Chemineer Steel Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer	s; g: CFACE s III standard standard sto shaft; to hub so shaft; to hub	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners: Station: Impeller, XE-3 Impeller, XE-3 Process Stage:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from Mounting: 58.0 in 109.0 in	P; Speed: 1800 Frequency: 60 I FC; Service Face Theer MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut Diameter: 35.00 in PROCE: Volume: 2,408 gal	RPM; Frame: NI Hz; Efficiency: Pitor: 1.15+; Max. #11; Lubricant: Crile Rubber H-Face; Material CONFIGURATION Material: Finish: Pumping Direction: Down Down SS DATA Pressure: 0.0 PSIG	remium; Service . Ambient: 104.0 Dil (R&O); Service : Steel Solid N Options: Hub Attachm Blade Attach Hub Attachm Blade Attach Temp.:	Steel Chemineer Steel Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer Chemineer	s; g: CFACE s III standard standard sto shaft; to hub so shaft; to hub	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners: Station: Impeller, XE-3 Impeller, XE-3 Process Stage: Stage 1	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from Mounting: 58.0 in 109.0 in Level: 114.6 in	P; Speed: 1800 Frequency: 60 I FC; Service Face Theer MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut Diameter: 35.00 in PROCE: Volume: 2,408 gal MIXER PER	RPM; Frame: NI Hz; Efficiency: Pitor: 1.15+; Max. #11; Lubricant: Crile Rubber H-Face; Material CONFIGURATION Material: Finish: Pumping Direction: Down Down SS DATA Pressure: 0.0 PSIG	remium; Service . Ambient: 104.0 Dil (R&O); Service : Steel Solid N Options: Hub Attachm Blade Attach Hub Attachm Blade Attach Temp.: 122.0 °F	Steel Chemineer Steel Chemineer Chemineer	s; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners: Station: Impeller, XE-3 Impeller, XE-3 Process Stage: Stage 1 Process Stage:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from Mounting: 58.0 in 109.0 in Level: 114.6 in ChemScale: 5.24	P; Speed: 1800 Frequency: 60 II FC; Service Factories MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut Diameter: 35.00 in PROCES Volume: 2,408 gal MIXER PER Pumping: 10,194 gpm	RPM; Frame: NI Hz; Efficiency: Pitor: 1.15+; Max. #11; Lubricant: Crile Rubber H-Face; Material CONFIGURATION Material: Finish: Pumping Direction: Down Down SS DATA Pressure: 0.0 PSIG FORMANCE Blend Time:	remium; Service . Ambient: 104.0 . Ambient: 104.0 . Oil (R&O); Service .: Steel Solid Options:	Steel Chemineer Steel Chemineer Chemineer	s; g: CFACE s III standard sto shaft; to hub so shaft; to hub SG: 1.219	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners: Station: Impeller, XE-3 Impeller, XE-3 Process Stage: Stage 1 Process Stage: Stage 1	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from Mounting: 58.0 in 109.0 in Level: 114.6 in ChemScale: 5.24	P; Speed: 1800 Frequency: 60 II FC; Service Factories MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut Diameter: 35.00 in PROCES Volume: 2,408 gal MIXER PER Pumping: 10,194 gpm	RPM; Frame: NI Hz; Efficiency: Pitor: 1.15+; Max. #11; Lubricant: Crile Rubber H-Face; Material CONFIGURATION Material: Finish: Pumping Direction: Down Down SS DATA Pressure: 0.0 PSIG FORMANCE Blend Time: 32 s	remium; Service . Ambient: 104.0 . Ambient: 104.0 . Oil (R&O); Service .: Steel Solid Options:	Steel Chemineer Steel Chemineer Chemineer	s; g: CFACE s III standard sto shaft; to hub so shaft; to hub SG: 1.219	
Gearbox: Shaft-Tank Seal: Drive Mounting: Shaft Diameter: Fasteners: Station: Impeller, XE-3 Impeller, XE-3 Process Stage: Stage 1 Process Stage:	Power: 1.5 H Phase: 3-Ph; Enclosure: TE Type: Chemin Type: Lip Sea Flange: 14" 1 2 in Lock-washer Location from Mounting: 58.0 in 109.0 in Level: 114.6 in ChemScale: 5.24	P; Speed: 1800 Frequency: 60 II FC; Service Factories MR; Size: # I; Material: Niti 50# ANSI Raised WETTED PARTS and nut Diameter: 35.00 in PROCES Volume: 2,408 gal MIXER PER Pumping: 10,194 gpm	RPM; Frame: NI Hz; Efficiency: Pitor: 1.15+; Max. #11; Lubricant: Crile Rubber H-Face; Material CONFIGURATION Material: Finish: Pumping Direction: Down Down SS DATA Pressure: 0.0 PSIG FORMANCE Blend Time: 32 s	remium; Service . Ambient: 104.0 . Ambient: 104.0 . Oil (R&O); Service .: Steel Solid Options:	Steel Chemineer Steel Chemineer Chemineer	s; g: CFACE s III standard sto shaft; to hub so shaft; to hub SG: 1.219	