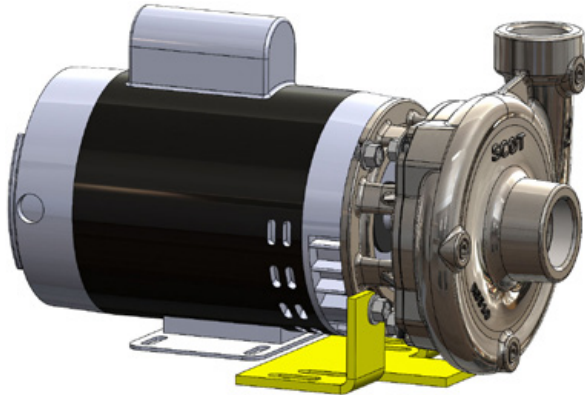




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MOTORPUMP™ — 3500 RPM

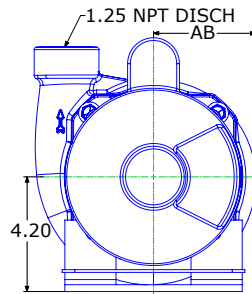
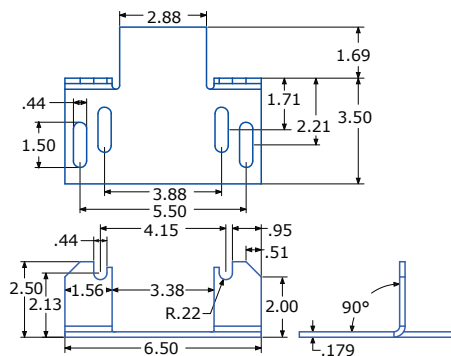
304SS, 60 Hz, 1.5 X 1.25 X 5.5 NPT

503S J56

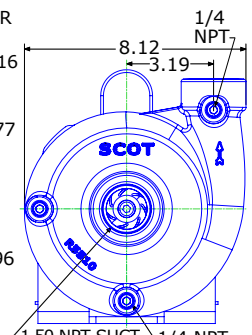
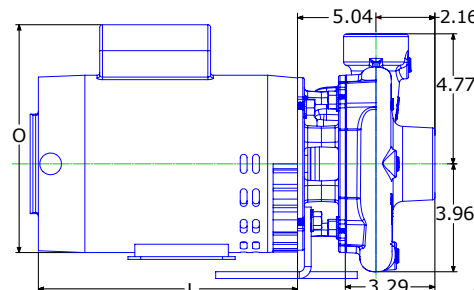
Drinking Water
System Component
NSF/ANSI 61
ALSO CLFD IN
ACCORDANCE WITH
NSF/ANSI 372

Motor Dimensions NEMA J56 Frame 3500 RPM							
HP	Type	3 Phase			1 Phase		
		L	O	AB	L	O	AB
1.0	ODP	8.65	6.46	3.32	9.81	8.37	3.25
1.5	ODP	9.04	6.46	3.32	10.31	8.37	3.25
2.0	ODP	9.44	6.46	3.32	10.31	8.37	3.25
3.0	ODP	10.22	6.46	3.32	10.84	8.37	3.25
1.0	TEFC	10.27	7.33	5.87	10.59	8.10	5.31
1.5	TEFC	11.06	7.33	5.87	10.59	8.10	5.31
2.0	TEFC	11.85	7.33	5.87	11.77	8.10	5.31
3.0	TEFC	13.03	7.33	5.87	12.16	8.10	5.31

Motors are Standard Efficient with the exception of the 1-2 HP 3 phase TEFC, which are Premium Efficient.

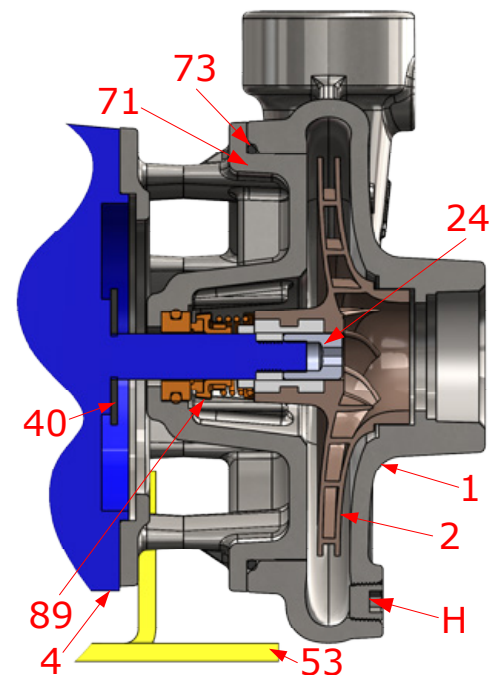


DRAWING DEPICTS 56J 1 PHASE TEFC MOTOR
ALL DIMENSIONS IN INCHES



Construction Options

Key	Part Name	Stainless Fitted
1	Case	304SS
2	Impeller	PPS GF
24	Locknut, Socket Head	304SS
40	Flinger	Neoprene
53	Base	Steel
71	Adapter	304SS
73	Gasket, Case	Buna
89	Mech Seal, Type 21 BN-CARB/CM	Standard
H	Plug, Drain	Stainless





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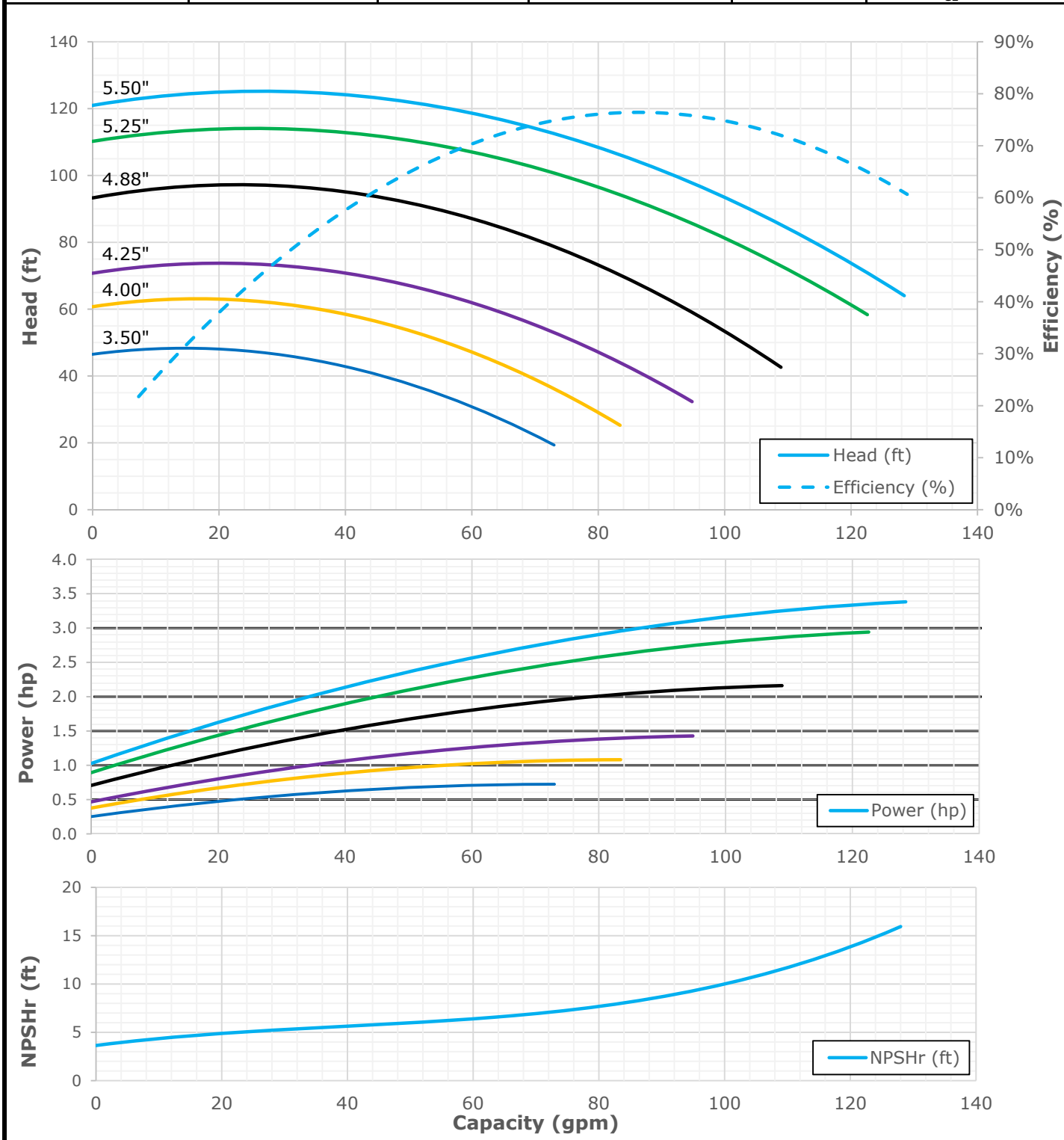
MOTORPUMP™ — 3500 RPM

304SS, 60 Hz, 1.5 X 1.25 X 5.5 NPT

503S J56

Performance Curve

Performance Curve	Pump 503S	1.00 S.G.	Imp. Type: Enclosed	3500 RPM	Max Sphere: 3/16"
Number: 40.000.757S	1.5 X 1.25 X 5.5	70.0 °F	4/2/2020	60 Hz	PEI _{CL} 0.81





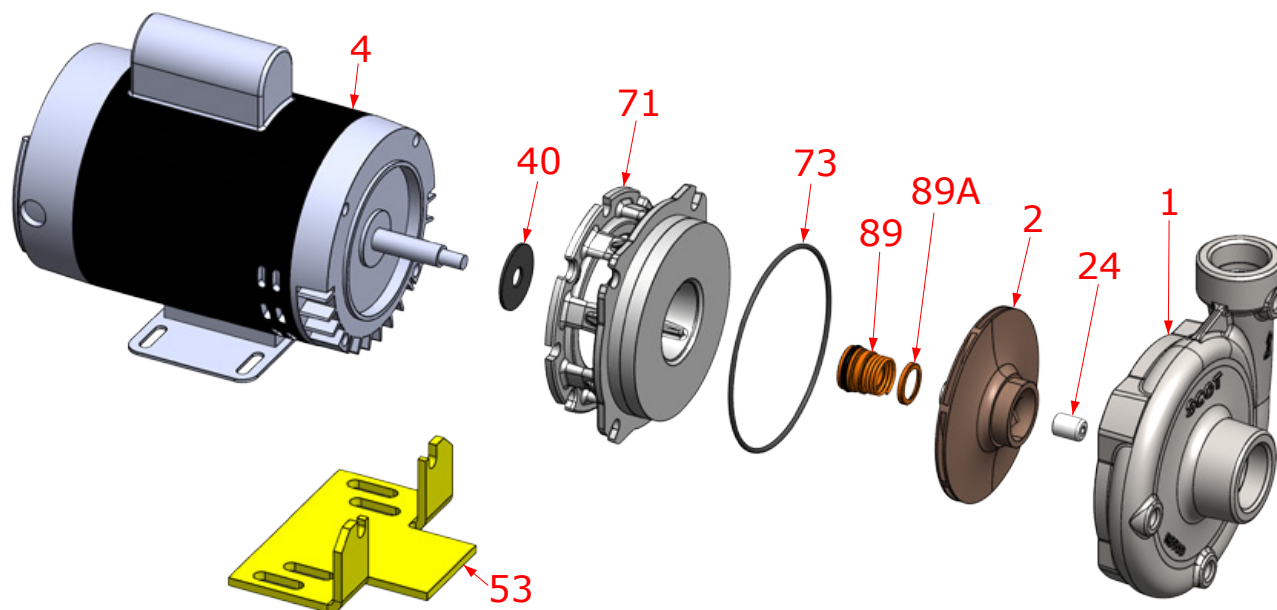
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MOTORPUMP™ — 3500 RPM

304SS, 60 Hz, 1.5 X 1.25 X 5.5 NPT

503S J56

Parts



Key	Part Name	Part Number	
1	Case 503S, 304SS, 1.50 X 1.25 NPT Stainless plugs	3301133X	
2	Impeller, 503 PPS-GF, Specify Dia., 5.50 Max, 7/16" Thrd	3301046	
4	Motor chart, J56 3.5" Rigid Base	See Chart	
	Motor chart, J56 Round Body	See Chart	
24*+	Locknut, Stainless, Socket Head	110.000.190	
40*	Flinger, Neoprene	104.000.171	
53	Base, Steel	3301100	
71	Adapter, 304SS, J56, 5/8" Seal, with Stainless plug	3301135X	
73*	Gasket, Case, Buna	137.003.072	
89*	Seal, 5/8", Type 21, EPDM-CARB/SIL, With retainer	101.000.173	
	Seal, 5/8", Type 21, EPDM-SIL/SIL, With retainer	101.000.236	
	Seal, 5/8", Type 21, VN-CARB/CM, With retainer	101.000.103	
	Seal, 5/8", Type 21, VN-CARB/SIL, With retainer	101.000.120	
	Seal, 5/8", Type 21, VN-SIL/SIL, With retainer	101.000.239	
	Seal, 5/8", Type 6, BN-CARB/CM, No retainer	101.000.110	
KIT		3 Phase:	1 Phase:
	Repair Kit, 5/8" BN-CARB/CM Seal	118.000.677	118.000.677.1
	Repair Kit, 5/8" EPDM-CARB/SIL Seal	118.000.677C	118.000.677C.1
	Repair Kit, 5/8" EPDM-SIL/SIL Seal	118.000.677D	118.000.677D.1
	Repair Kit, 5/8" VN-CARB/CM Seal	118.000.677A	118.000.677A.1
	Repair Kit, 5/8" VN-CARB/SIL Seal	118.000.677B	118.000.677B.1
	Repair Kit, 5/8" VN-SIL/SIL Seal	118.000.677E	118.000.677E.1

* Denotes components included in repair kit.

+ Not required on 1/3 to 1-1/2 HP 1 phase motors.

Use 3 phase kits on 2-3 HP 1 phase motors.



A WILO BRAND

MOTORPUMP™ — 3500 RPM

304SS, 60 Hz, 1.5 X 1.25 X 5.5 NPT

503S J56

Motor Charts

Motor Chart							
J56 Frame, Round Body - 3500 RPM - 1 & 3 Phase							
1 PHASE 60 Hz 3500 RPM				3 PHASE 60 Hz 3500 RPM			
115/230V			208-230/460V			575V	
HP	ODP	TEFC	HP	ODP	TEFC	ODP	TEFC
1/3	113.000.101	REPLACED BY 3.5" RIGID BASE	1/3	113.000.365	REPLACED BY 3.5" RIGID BASE	REPLACED BY 3.5" RIGID BASE	- -
1/2	113.000.102		1/2	113.000.366			113.000.506
3/4	113.000.103		3/4	113.000.354			113.000.502
1	113.000.104		1	113.000.372			113.000.469
1.5	113.000.143		1.5	113.000.360			113.000.411
2	113.000.348		2	113.000.349			113.000.562
3	113.000.581		3	113.000.368			113.001.347

Motor Chart							
J56 Frame, 3.5" Rigid Base - 3500 RPM - 1 & 3 Phase							
1 PHASE 60 Hz 3500 RPM				3 PHASE 60 Hz 3500 RPM			
115/230V			208-230/460V			575V	
HP	ODP	TEFC	HP	ODP	TEFC	ODP	TEFC
1/3	113.000.880	137.001.633	1/3	- -	- -	- -	- -
1/2	113.000.116	113.000.929	1/2	113.000.118	113.001.154	137.001.634	113.001.211
3/4	137.001.439	113.000.167	3/4	137.001.080	137.001.223	137.001.635	137.002.416
1	137.001.097	137.001.352	1	137.001.081	137.001.232	137.001.636	137.001.548
1.5	137.001.658	137.001.538	1.5	137.001.069	113.000.409	137.001.456	137.002.409
2	137.001.671	137.001.204	2	137.001.052	137.001.211	137.001.637	137.001.774
3	137.001.672	137.001.539	3	137.001.082	137.001.188	137.001.503	137.002.544
5	- -	- -	5	137.001.134	- -	- -	- -

D1009
D1367
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