

SUBMERSIBLE TURBINE PUMPS

8" SR SERIES

FPS

FEATURES

- Stainless steel impellers and diffusers to resist corrosion
- Heavy-duty stainless steel shell assures permanent alignment of all components to increase longevity and enables higher pressures than strap designs
- PTFE floating wear ring, ceramic bearing journal, and nitrile rubber fluted bearing ensure durability against wear for long-lasting performance and reliability
- Suited to operate in horizontal position
- Built-in check valve to protect the pump against water hammer
- Energy-efficient hydraulic design for cost effective operation
- Space-saving compact design
- 140 °F/60 °C (304 stainless steel) and 194 °F/90 °C (316 stainless steel) maximum operating temperature



SPECIFICATIONS

- Capacities to 650 gpm
- Heads to 1300 feet
- Efficiencies to 80%
- Maximum allowable amount of sand is 100 ppm

APPLICATIONS

- Industrial
- Agricultural
- Irrigation
- Commercial

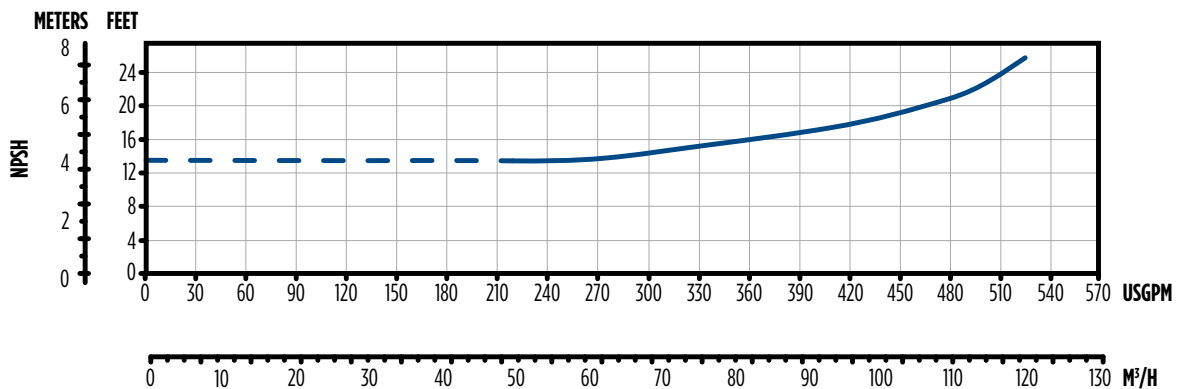
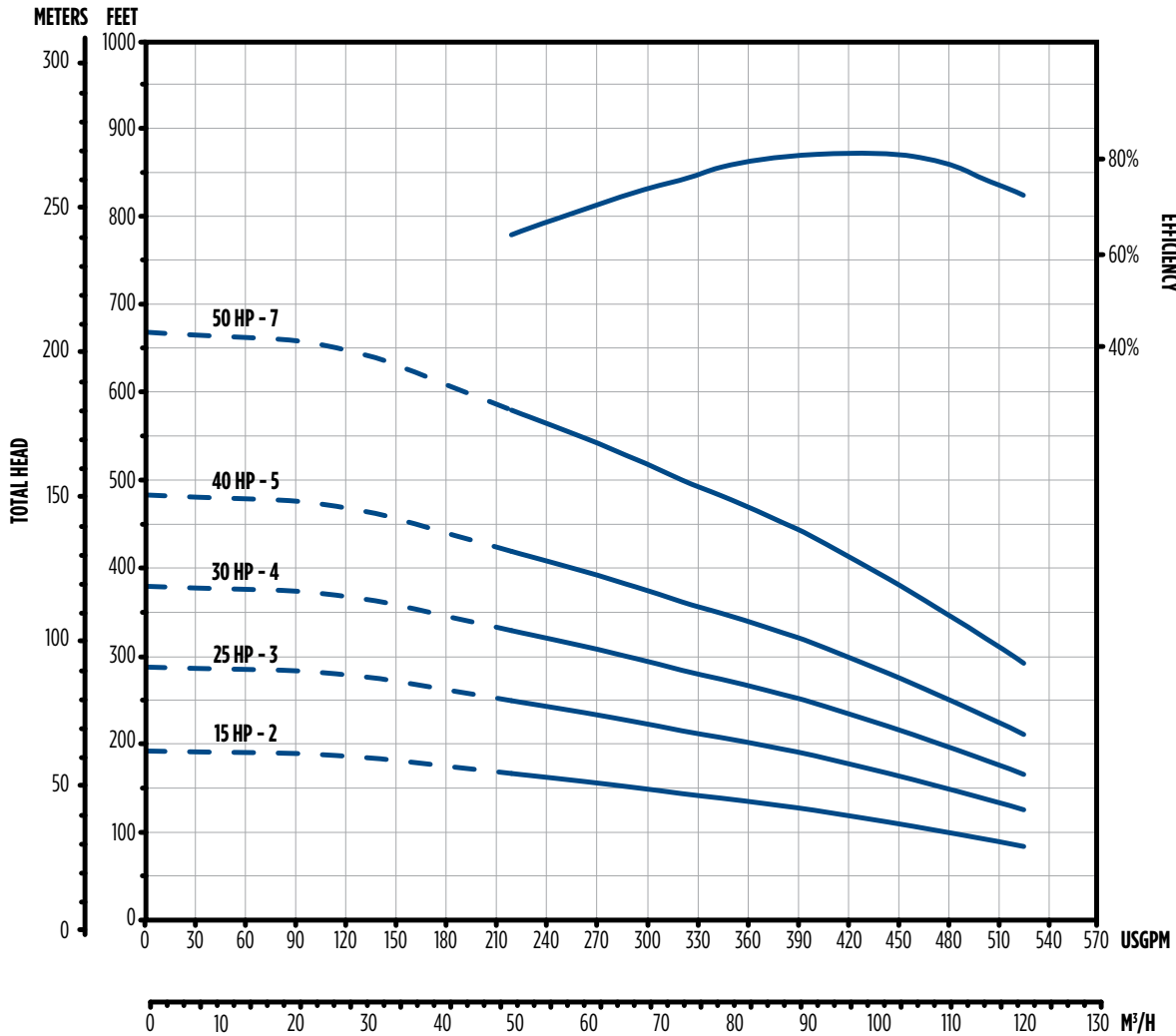
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PERFORMANCE

400 GPM



— RECOMMENDED OPERATING RANGE

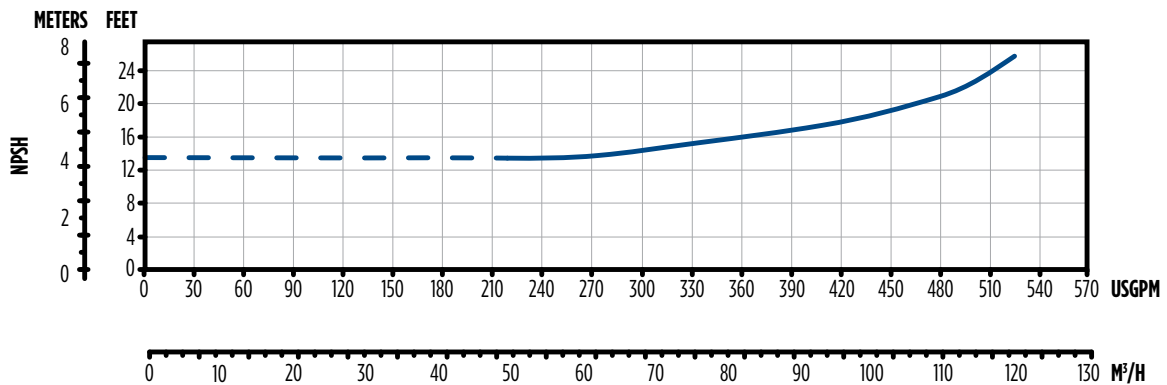
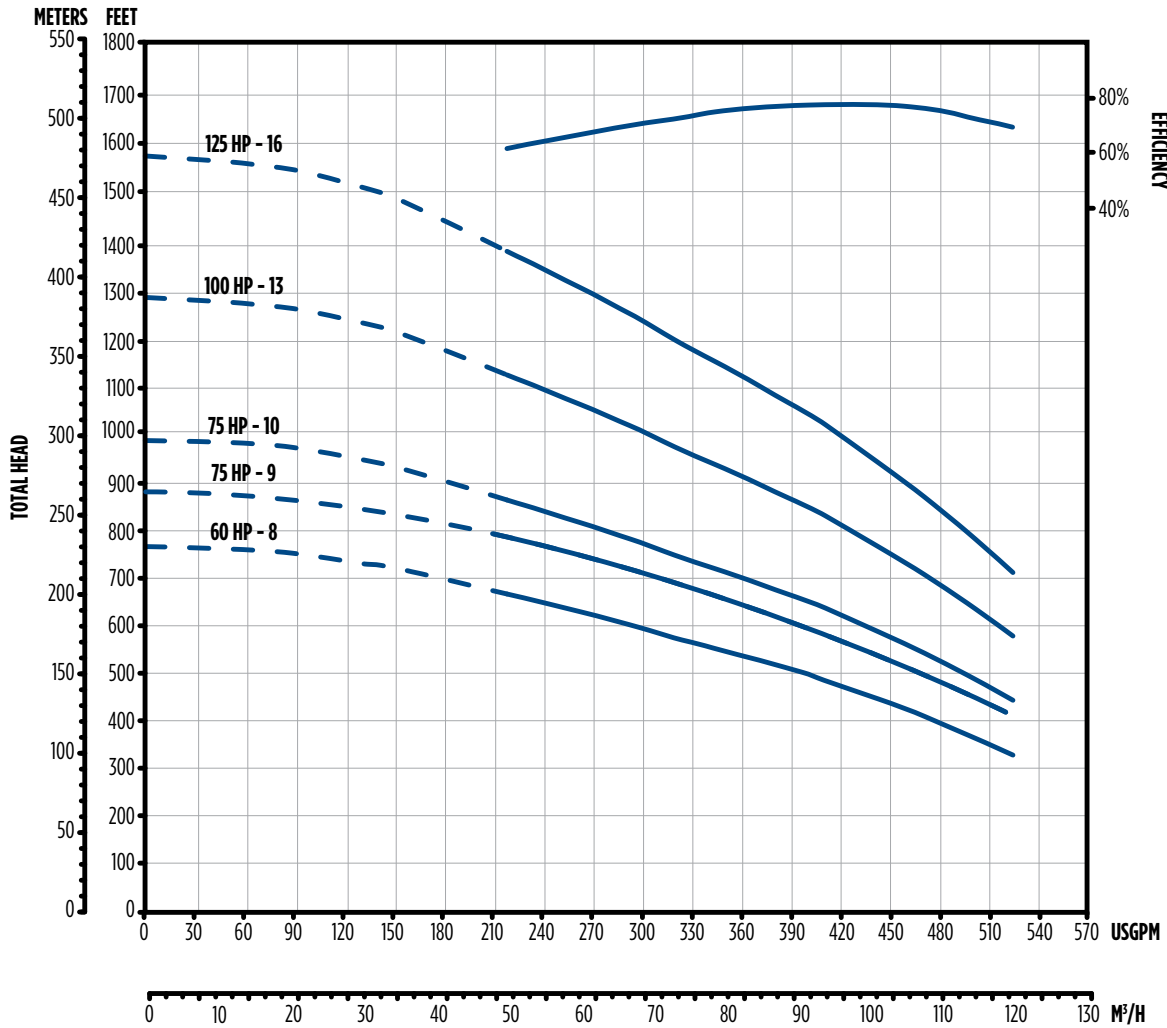
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PERFORMANCE

400 GPM



— RECOMMENDED OPERATING RANGE

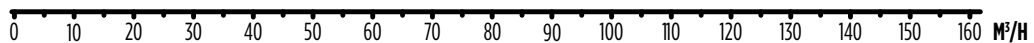
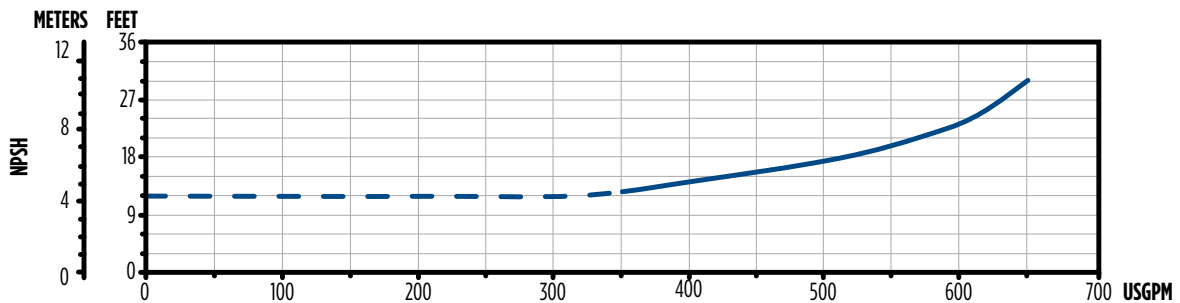
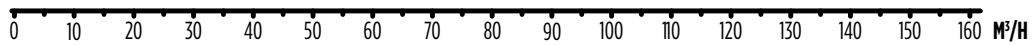
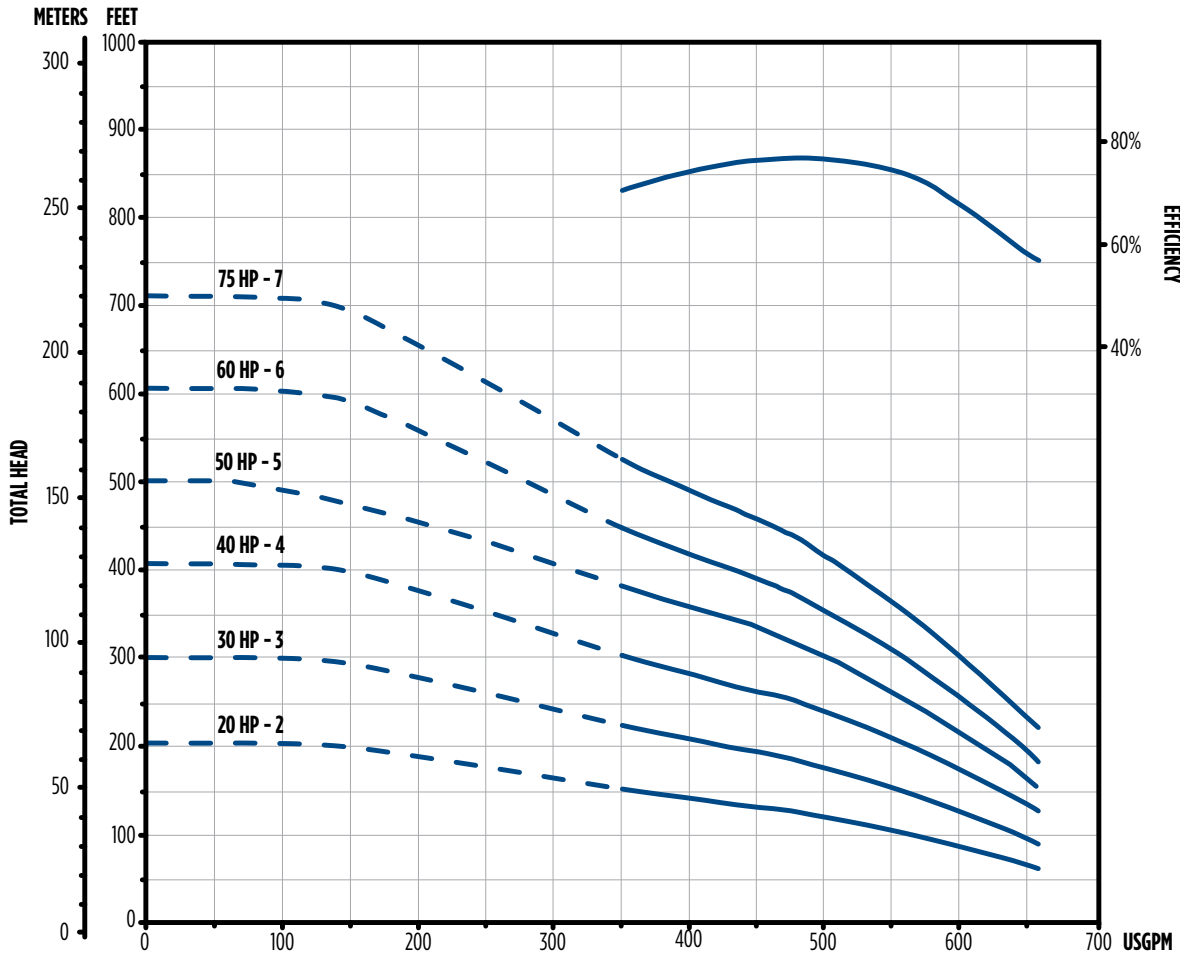
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PERFORMANCE

475 GPM



— RECOMMENDED OPERATING RANGE

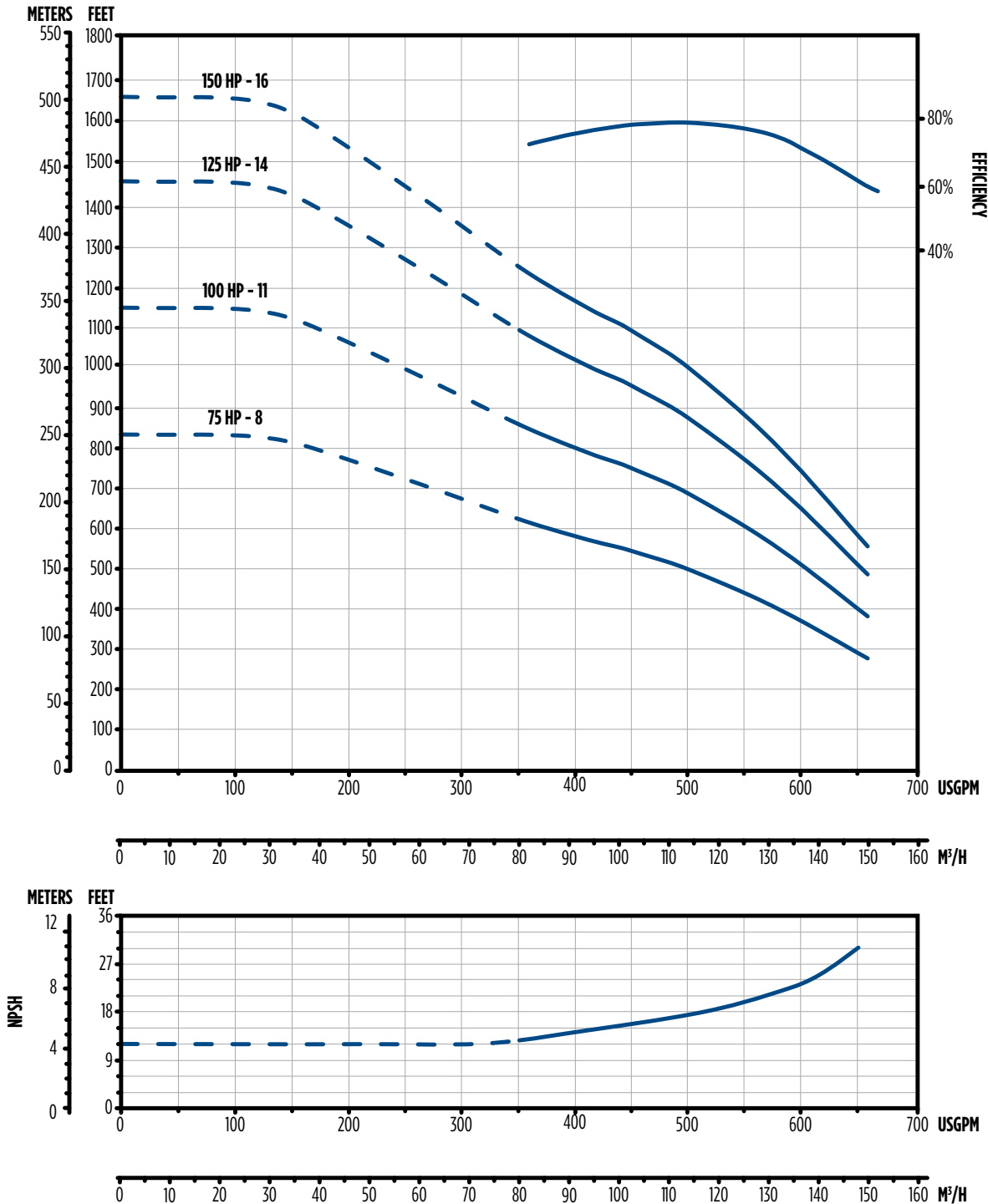
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8" SR SERIES



PERFORMANCE

475 GPM



— RECOMMENDED OPERATING RANGE

SUBMERSIBLE TURBINE PUMPS

8" SR SERIES



ORDERING INFORMATION

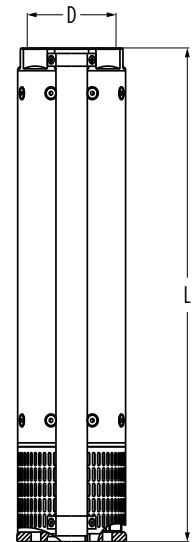
GPM	Stages	HP	Motor Size (in)	Discharge* (in)	304 Stainless Steel		316 Stainless Steel			
					Order No.	Description	Order No.	Description		
400	2	15	6	4.5	97180400002	400SR15F86-0264	97181400002	400SR15S86-0264		
	3	25	6		97180400003	400SR25F86-0364	97181400003	400SR25S86-0364		
	4	30	6		97180400004	400SR30F86-0464	97181400004	400SR30S86-0464		
	5	40	6		97180400005	400SR40F86-0564	97181400005	400SR40S86-0564		
	7	50	6		97180400007	400SR50F86-0764	97181400007	400SR50S86-0764		
	7	50	8		97180400207	400SR50F86-0784	97181400207	400SR50S86-0784		
	8	60	6		97180400008	400SR60F86-0864	97181400008	400SR60S86-0864		
	8	60	8		97180400208	400SR60F86-0884	97181400208	400SR60S86-0884		
	9	75	8		97180400209	400SR75F86-0984	97181400209	400SR75S86-0984		
	10	75	8		97180400210	400SR75F86-1084	97181400210	400SR75S86-1084		
	13	100	8		97180400213	400SR100F86-1384	97181400213	400SR100S86-1384		
	16	125	8		97180400216	400SR125F86-1684	97181400216	400SR125S86-1684		
	475	2	20		6	5.6	97180475102	475SR20F86-0266	97181475102	475SR20S86-0266
		3	30		6		97180475103	475SR30F86-0366	97181475103	475SR30S86-0366
		4	40		6		97180475104	475SR40F86-0466	97181475104	475SR40S86-0466
		5	50		6		97180475105	475SR50F86-0566	97181475105	475SR50S86-0566
5		50	8	97180475305	475SR50F86-0586		97181475305	475SR50S86-0586		
6		60	6	97180475106	475SR60F86-0666		97181475106	475SR60S86-0666		
6		60	8	97180475306	475SR60F86-0686		97181475306	475SR60S86-0686		
7		75	6	97180475107	475SR75F86-0766		97181475107	475SR75S86-0766		
7		75	8	97180475307	475SR75F86-0786		97181475307	475SR75S86-0786		
8		75	8	97180475308	475SR75F86-0886		97181475308	475SR75S86-0886		
11		100	8	97180475311	475SR100F86-1186		97181475311	475SR100S86-1186		
14		125	8	97180475314	475SR125F86-1486		97181475314	475SR125S86-1486		
16		150	8	97180475316	475SR150F86-1686		97181475316	475SR150S86-1686		

*Discharges come with removable adapters

DIMENSIONS

GPM	HP	Stages	Dimensions (in)				Pump Wt. (lbs)
			Motor Size (in)	Discharge* (in)	Diameter w/Cable Guard	Length	
400	15	2	6	4.5	7.34	25.35	69.7
	25	3	6		7.34	30.31	80.9
	30	4	6		7.34	35.28	91.6
	40	5	6		7.34	40.24	101.6
	50	7	6		7.34	50.16	123.5
	50	7	8		7.68	50.16	123.5
	60	8	6		7.34	55.12	134.5
	60	8	8		7.68	55.12	134.5
	75	9	8		7.68	60.18	46.6
	75	10	8		7.68	65.24	158.7
	100	13	8		7.68	80.12	191.8
	125	16	8		7.68	95.00	223.8
475	20	2	6	5.6	7.34	25.35	69.0
	30	3	6		7.34	30.31	80.9
	40	4	6		7.34	35.28	91.7
	50	5	6		7.34	40.24	101.41
	50	5	8		7.68	40.24	101.41
	60	6	6		7.34	45.20	112.4
	60	6	8		7.68	45.20	112.4
	75	7	6		7.34	50.16	123.5
	75	7	8		7.68	50.16	123.5
	75	8	8		7.68	55.31	137.8
	100	11	8		7.68	70.20	169.8
	125	14	8		7.68	85.08	202.8
150	16	8	7.68	95.00	223.8		

*Discharges come with removable adapters
NOTE: D=Discharge, L=Pump Length



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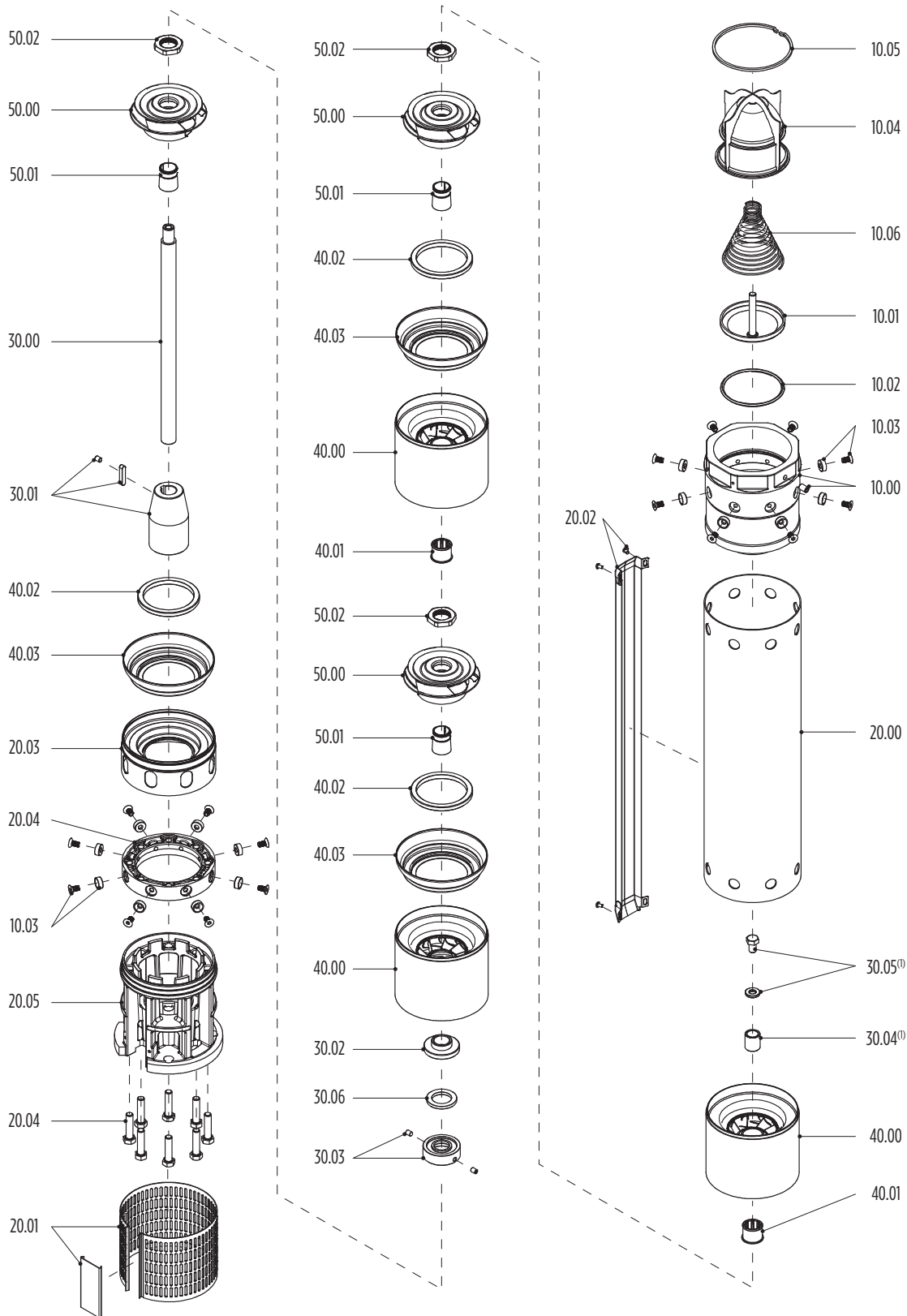


FIGURE 1

SUBMERSIBLE TURBINE PUMPS

8" SR SERIES



MATERIALS

Description	Figure Number	Type	Material			
			304 Stainless Steel		316 Stainless Steel	
			AISI	DIN / EN	AISI	DIN / EN
Discharge Head	10.00	Stainless Steel	304	1.430	316	1.440
Valve	10.01	Stainless Steel	316	1.440	316	1.440
Sealing O-ring	10.02	Nitrile Rubber (NBR)	-	-	-	-
Outer Case Locking Nuts	10.03	Stainless Steel	316	1.440	316	1.440
Valve Support	10.04	Stainless Steel and PTFE	316	1.440	316	1.440
Seeger Ring	10.05	Stainless Steel	316	1.440	316	1.440
Spring	10.06	Stainless Steel	316	1.440	316	1.440
Outer Case	20.00	Stainless Steel	304	1.430	316	1.440
Suction Strainer	20.01	Stainless Steel	316	1.440	316	1.440
Cable Guard	20.02	Stainless Steel	316	1.440	316	1.440
Initial Spacer	20.03	Stainless Steel	316	1.440	316	1.440
Flange and Screws	20.04	Stainless Steel	304	1.430	316	1.440
Motor Adapter	20.05	Stainless Steel	304	1.430	316	1.440
Pump Shaft	30.00	Stainless Steel	329	1.446	329	1.446
Coupling	30.01	Stainless Steel	431 / 329	1.4057 / 1.4460	316 / 329	1.4401 / 1.4460
Upper Upthrust Washer	30.02	Stainless Steel	329	1.446	329	1.446
Lower Upthrust Washer	30.03	Stainless Steel	329	1.446	329	1.446
Upper Journal Sleeve*	30.04	Stainless Steel with Ceramic Coating	-	-	-	-
Screw and Washer	30.05	Stainless Steel	316	1.440	316	1.440
Upthrust Ring	30.06	PTFE	-	-	-	-
Diffuser	40.00	Stainless Steel	304	1.430	316	1.440
Secondary Bearing Bushing	40.01	Nitrile Rubber (NBR)	-	-	-	-
Floating Neck Ring	40.02	PTFE	-	-	-	-
Flange Clamping Neck Ring	40.03	Stainless Steel	316	1.440	316	1.440
Impeller	50.00	Stainless Steel	316	1.440	316	1.440
Split Cone	50.01	Stainless Steel	316	1.440	316	1.440
Split Cone Nut	50.02	Stainless Steel	316	1.440	316	1.440

*Only for types with more than eight stages

STAGE KITS

SR Kit	Description
305483001	400SR Stage Kit
305483002	400SR Stage Kit 316
305483003	475SR Stage Kit
305483004	475SR Stage Kit 316

COMMON COMPONENTS KITS

SR Kit	Description
305483005	400SR Common Parts Kit 6" Mtr
305483006	400SR Common Parts Kit 6" Mtr 316
305483007	400SR Common Parts Kit 8" Mtr
305483008	400SR Common Parts Kit 8" Mtr 316
305483009	475SR Common Parts Kit 6" Mtr
305483010	475SR Common Parts Kit 6" Mtr 316
305483011	475SR Common Parts Kit 8" Mtr
305483012	475SR Common Parts Kit 8" Mtr 316

HARDWARE KITS

SR Kit	Description
305483013	400SR Hardware Kit
305483014	475SR Hardware Kit

LENGTH SPECIFIC KITS

SR Kit	Description
305483015	400/475-2 8SR 304SS SHL/SFT Kit
305483016	400/475-3 8SR 304SS SHL/SFT Kit
305483017	400/475-4 8SR 304SS SHL/SFT Kit
305483018	400/475-5 8SR 304SS SHL/SFT Kit
305483019	400/475-6 8SR 304SS SHL/SFT Kit
305483020	400/475-7 8SR 304SS SHL/SFT Kit
305483021	400/475-8 8SR 304SS SHL/SFT Kit
305483022	400/475-10 8SR 304SS SHL/SFT Kit
305483023	400/475-11 8SR 304SS SHL/SFT Kit
305483024	400/475-13 8SR 304SS SHL/SFT Kit
305483025	400/475-14 8SR 304SS SHL/SFT Kit
305483026	400/475-16 8SR 304SS SHL/SFT Kit
305483027	400/475-2 8SR 316SS SHL/SFT Kit
305483028	400/475-3 8SR 316SS SHL/SFT Kit
305483029	400/475-4 8SR 316SS SHL/SFT Kit
305483030	400/475-5 8SR 316SS SHL/SFT Kit
305483031	400/475-6 8SR 316SS SHL/SFT Kit
305483032	400/475-7 8SR 316SS SHL/SFT Kit
305483033	400/475-8 8SR 316SS SHL/SFT Kit
305483034	400/475-10 8SR 316SS SHL/SFT Kit
305483035	400/475-11 8SR 316SS SHL/SFT Kit
305483036	400/475-13 8SR 316SS SHL/SFT Kit
305483037	400/475-14 8SR 316SS SHL/SFT Kit
305483038	400/475-16 8SR 316SS SHL/SFT Kit

CABLE GUARD KITS

SR Kit	Description
305483039	400/475-2 8SR CG Kit
305483040	400/475-3 8SR CG Kit
305483041	400/475-4 8SR CG Kit
305483042	400/475-5 8SR CG Kit
305483043	400/475-6 8SR CG Kit
305483044	400/475-7 8SR CG Kit
305483045	400/475-8 8SR CG Kit
305483046	400/475-10 8SR CG Kit
305483047	400/475-11 8SR CG Kit
305483048	400/475-13 8SR CG Kit
305483049	400/475-14 8SR CG Kit
305483050	400/475-16 8SR CG Kit

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