

Effluent, Sewage, and Grinder

REPAIR PARTS



Bell & Gossett

a xylem brand

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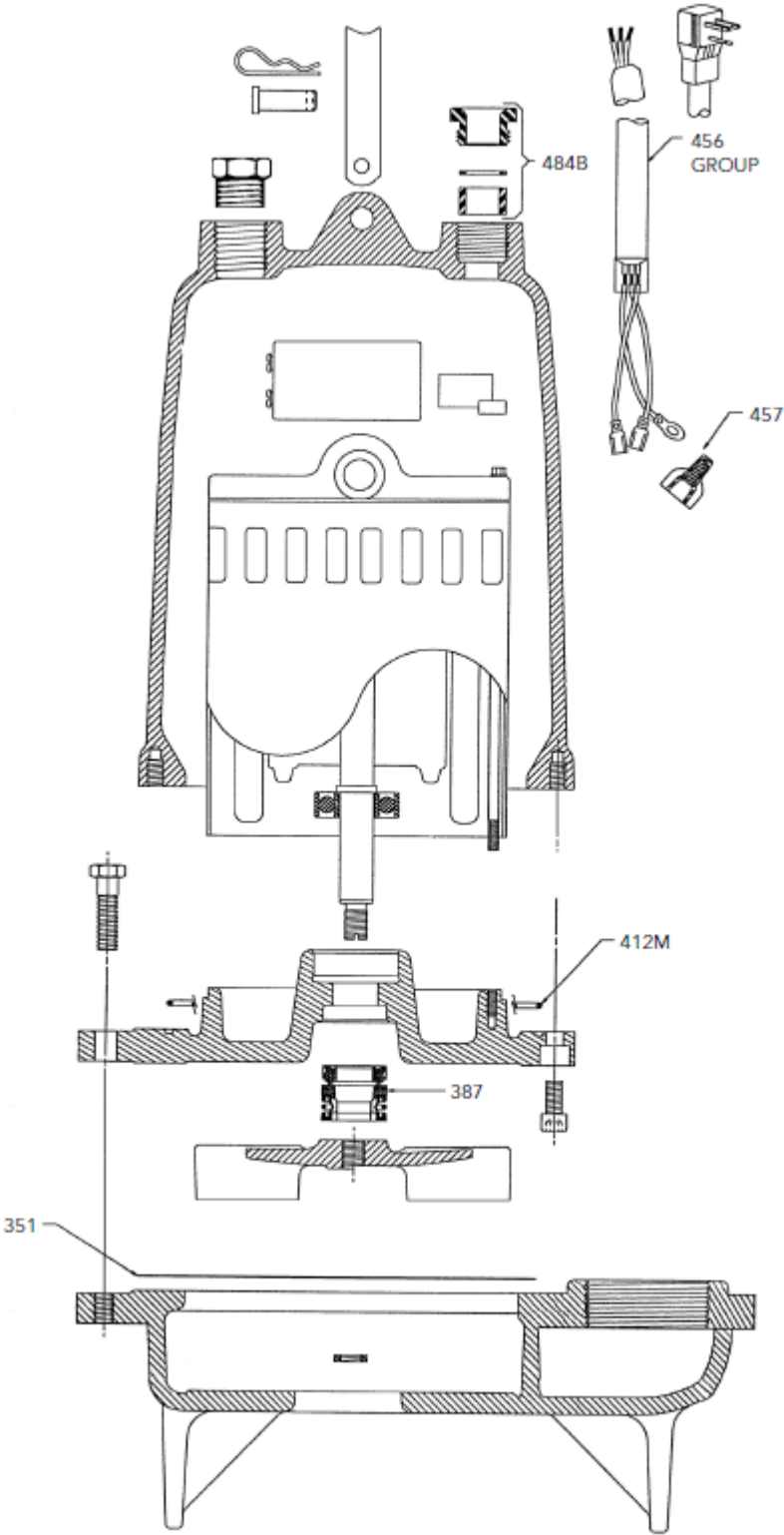
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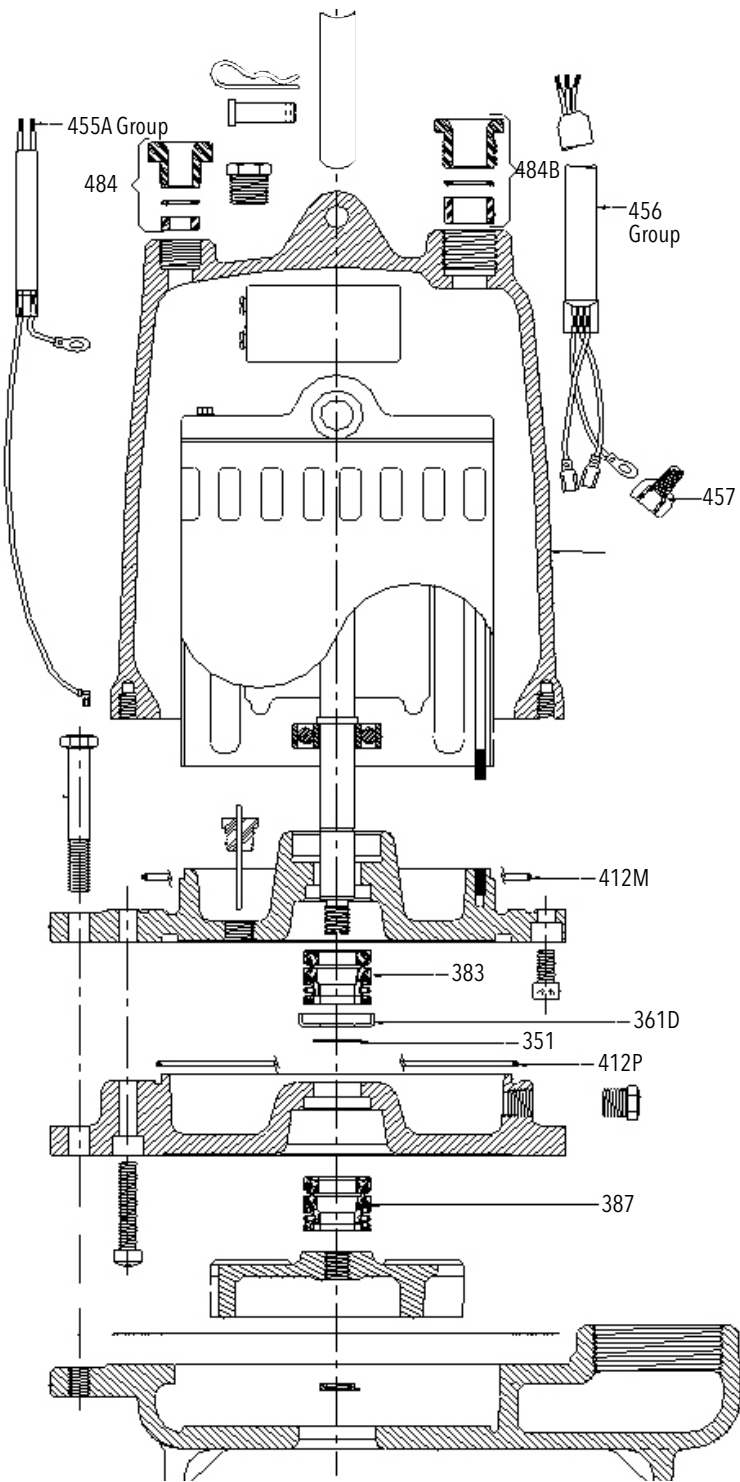
MODEL 2EC



MODEL 2EC

Item No.	Part Description	Qty. Reqd.	Repair Parts Order Number
351/387/412M	Repair Kit (Gasket/Shim Set/ Mechanical Seal/O-Ring)	1	WEREPKIT
457/484B/456	20 Ft. Power Cable Kit 1PH: 1/3HP, 115V; standard with plug/Strain Relief Assembly	1	WWPOWKIT1
	20 Ft. Power Cable Kit 1PH: 1/2HP, 115V; standard with plug/Strain Relief Assembly		WWPOWKIT2
	20 Ft. Power Cable Kit 1PH: 1/3HP & 1/2HP, 208V & 230V; standard with plug/Strain Relief Assembly		WWPOWKIT3
	20 Ft. Power Cable Kit 1PH: 3/4HP & 1HP, 208V & 230V; standard with plug/Strain Relief Assembly		WWPOWKIT4
	20 Ft. Power Cable Kit 1PH: 1 1/2HP, 208V & 230V; with bare leads/Strain Relief Assembly		WWPOWKIT5
	20 Ft. Power Cable Kit 1PH: 2HP, 230V; with bare leads/ Wire Nuts/Strain Relief Assembly		WWPOWKIT6
	20 Ft. Power Cable Kit 3PH: 1/2HP-2HP, 200-230/460/575V; with bare leads/Wire Nuts/Strain Relief Assembly		WWPOWKIT7

MODEL 2DES

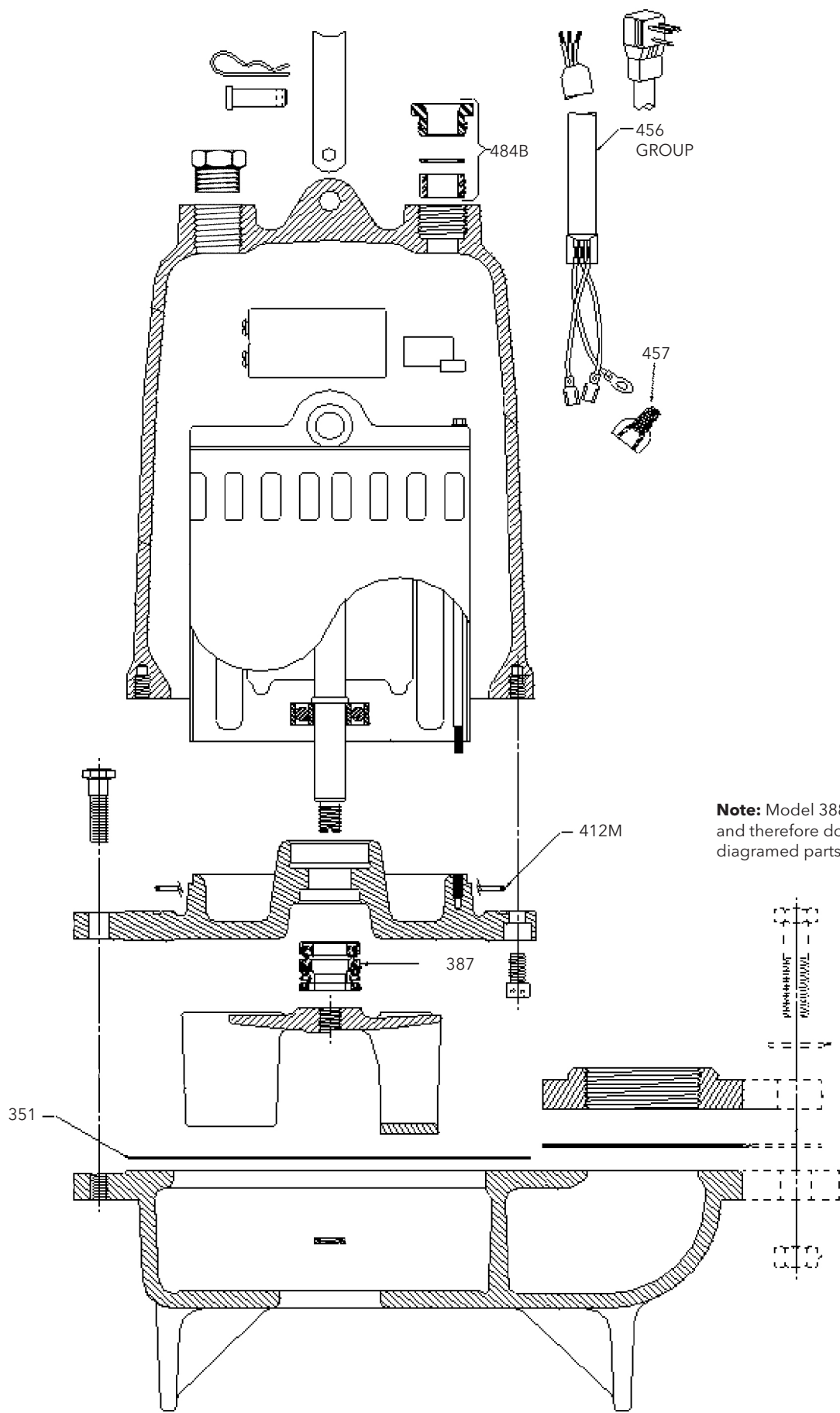


Wastewater

MODEL 2DES (Dual Seal)

Item No.	Part Description	Qty. Reqd.	Repair Parts Order Number
351,361,361D,383, 387,412M,412P	Repair Kit-Gasket/Shim Set/Retaining Ring/Seal Retainer/ Mechanical Seals/O-Rings	1	2EDREPKIT
456,457,484B	20 Ft. Power Cable Kit 1PH: 1/3HP, 115V; standard with plug/Strain Relief Assembly	1	WWPOWKIT1
	20 Ft. Power Cable Kit 1PH: 1/2HP, 115V; standard with plug/Strain Relief Assembly		WWPOWKIT2
	20 Ft. Power Cable Kit 1PH: 1/3HP & 1/2HP, 208V & 230V; standard with plug/Strain Relief Assembly		WWPOWKIT3
	20 Ft. Power Cable Kit 1PH: 1 1/2HP, 208V & 230V; with bare leads/Strain Relief Assembly		WWPOWKIT5
	20 Ft. Power Cable Kit 3PH: 1/2HP-1 1/2HP, 200- 230/460/575V; with bare leads/Wire Nuts/Strain Relief Assembly		WWPOWKIT7
455A/457/484	20 Ft. Mechanical Seal Sensor: Standard/Wire Nuts/Strain Relief Assembly	1	WWSENKIT1
	20 Ft. Seal/Heat Sensor: Optional for 3 Phase Models/Wire Nuts/Strain Relief Assembly	1	WWSENKIT2

MODELS 2WT, 2WF, 2WF_H



Note: Model 3886 casing is threaded 2" NPT and therefore does not require some of the diagrammed parts.

Wastewater

MODEL 2WT

Item No.	Part Description	Qty. Req'd.	Repair Parts Order Number
351/387/412M	Repair Kit (Gasket/Mechanical Seal/O-Ring)	1	WSBBFREPKIT
457/484B/456	20 Ft. Power Cable Kit 1PH: 1/3HP, 115V; standard with plug/Strain Relief Assembly	1	WWPOWKIT1
	20 Ft. Power Cable Kit 1PH: 1/2HP, 115V; standard with plug/Strain Relief Assembly		WWPOWKIT2
	20 Ft. Power Cable Kit 1PH: 1/3HP & 1/2HP, 208V & 230V; standard with plug/Strain Relief Assembly		WWPOWKIT3
	20 Ft. Power Cable Kit 1PH: 3/4HP & 1HP, 208V & 230V; standard with plug/Strain Relief Assembly		WWPOWKIT4
	20 Ft. Power Cable Kit 3PH: 1/2HP-1HP, 200-230/460/575V; with bare leads/Wire Nuts/Strain Relief Assembly		WWPOWKIT7

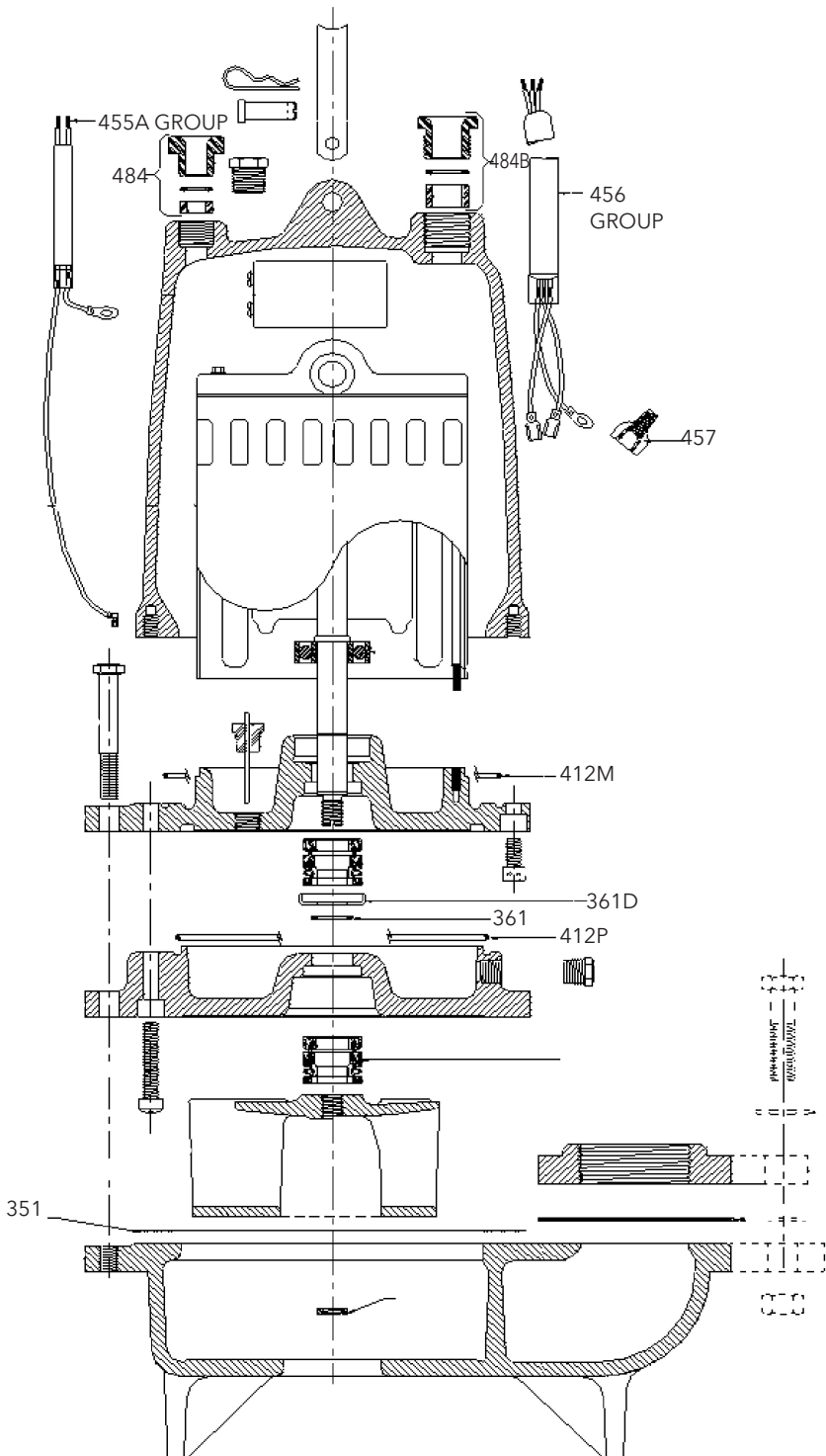
MODEL 2WF

Item No.	Part Description	Qty. Req'd.	Repair Parts Order Number
351/387/412M	Repair Kit (Gasket/Mechanical Seal/O-Ring)	1	WSBBFREPKIT
457/484B/456	20 Ft. Power Cable Kit 1PH: 1/3HP, 115V; standard with plug/Strain Relief Assembly	1	WWPOWKIT1
	20 Ft. Power Cable Kit 1PH: 1/2HP, 115V; standard with plug/Strain Relief Assembly		WWPOWKIT2
	20 Ft. Power Cable Kit 1PH: 1/3HP & 1/2HP, 208V & 230V; standard with plug/Strain Relief Assembly		WWPOWKIT3
	20 Ft. Power Cable Kit 1PH: 3/4HP & 1HP, 208V & 230V; standard with plug/Strain Relief Assembly		WWPOWKIT4
	20 Ft. Power Cable Kit 3PH: 1/2HP-1HP, 200-230/460/575V; with bare leads/Wire Nuts/Strain Relief Assembly		WWPOWKIT7

MODEL 2WF_H

Item No.	Part Description	Qty. Req'd.	Repair Parts Order Number
351/387/412M	Repair Kit (Gasket/Mechanical Seal/O-Ring)	1	WSBHFREPKIT
457/484B/456	20 Ft. Power Cable Kit 1PH: 1/3HP, 115V; standard with plug/Strain Relief Assembly	1	WWPOWKIT1
	20 Ft. Power Cable Kit 1PH: 1/2HP, 115V; standard with plug/Strain Relief Assembly		WWPOWKIT2
	20 Ft. Power Cable Kit 1PH: 1/3HP & 1/2HP, 208V & 230V; standard with plug/Strain Relief Assembly		WWPOWKIT3
	20 Ft. Power Cable Kit 1PH: 3/4HP & 1HP, 208V & 230V; standard with plug/Strain Relief Assembly		WWPOWKIT4
	20 Ft. Power Cable Kit 1PH: 2HP, 230V; with bare leads/Wire Nuts/Strain Relief Assembly		WWPOWKIT6
	20 Ft. Power Cable Kit 3PH: 1/2HP-2HP, 200-230/460/575V; with bare leads/Wire Nuts/Strain Relief Assembly		WWPOWKIT7

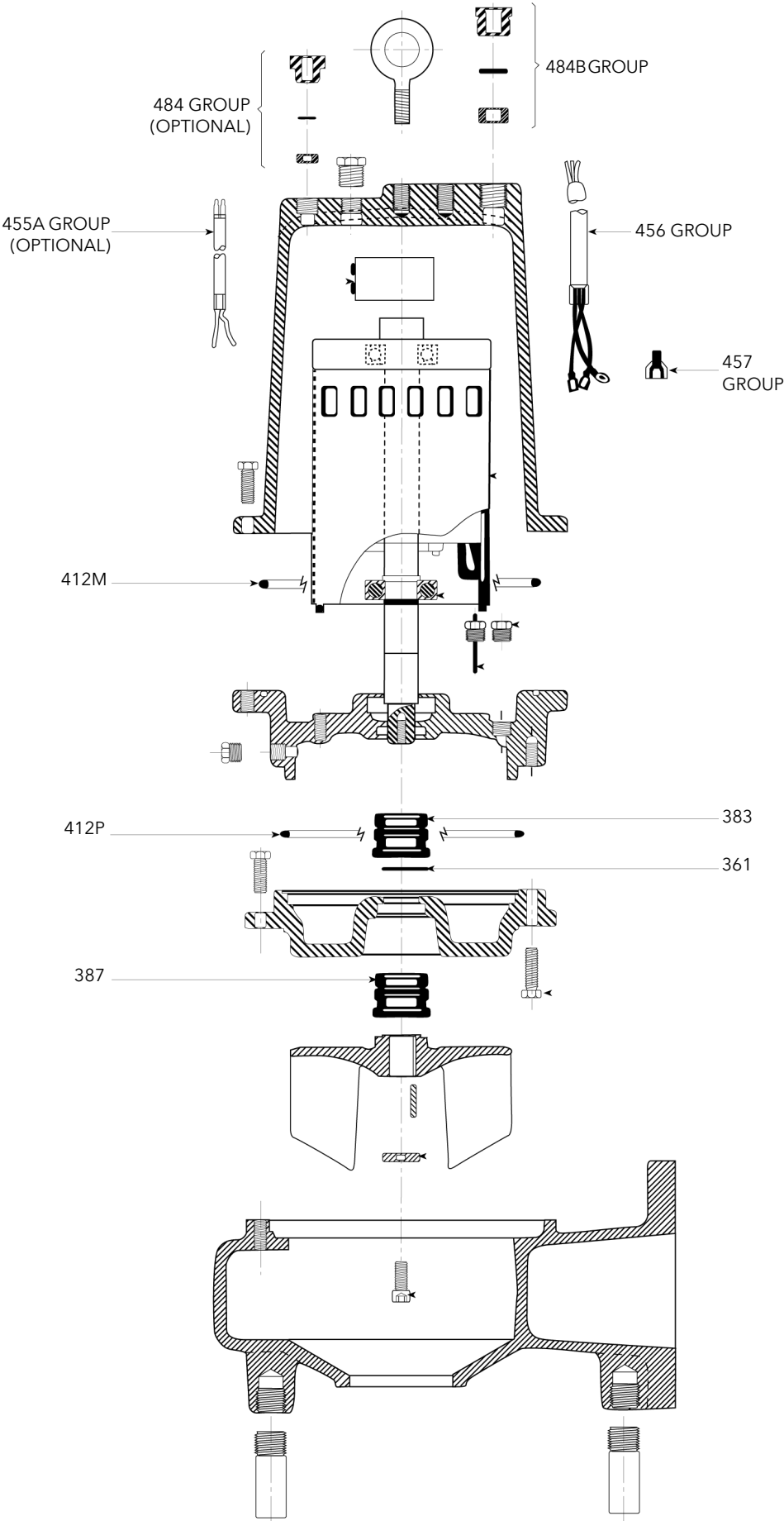
MODEL 2DWS/2DWC



MODEL 2DWS/2DWC

Item No.	Part Description	Qty. Reqd.	Repair Parts Order Number
351,361,361D, 412M,412P	Repair Kit:Gasket/Retaining Ring/Seal Retainer/Mechanical Seals/O-Rings	1	2WDREPKIT
456,457,484B	20 Ft. Power Cable Kit 1PH: 1/3HP, 115V; standard with plug/Strain Relief Assembly	1	WWPOWKIT1
	20 Ft. Power Cable Kit 1PH: 1/2HP, 115V; standard with plug/Strain Relief Assembly		WWPOWKIT2
	20 Ft. Power Cable Kit 1PH: 1/3HP & 1/2HP, 208V & 230V; standard with plug/Strain Relief Assembly		WWPOWKIT3
	20 Ft. Power Cable Kit 1PH: 1HP, 208V & 230V; with bare leads/Strain Relief Assembly		WWPOWKIT5
	20 Ft. Power Cable Kit 3PH: 1/2-1HP,200-230/460/575/v with bare leads/Wire Nuts/Strain Relief Assembly		WWPOWKIT7
455A/457/484	20 Ft. Mechanical Seal Sensor: Standard for All models/ Wire Nuts/Strain Relief Assembly	1	WWSENKIT1
	20 Ft. Seal/Heat Sensor: Optional for 3 Phase Models/Wire Nuts/Strain Relief Assembly	1	WWSENKIT2

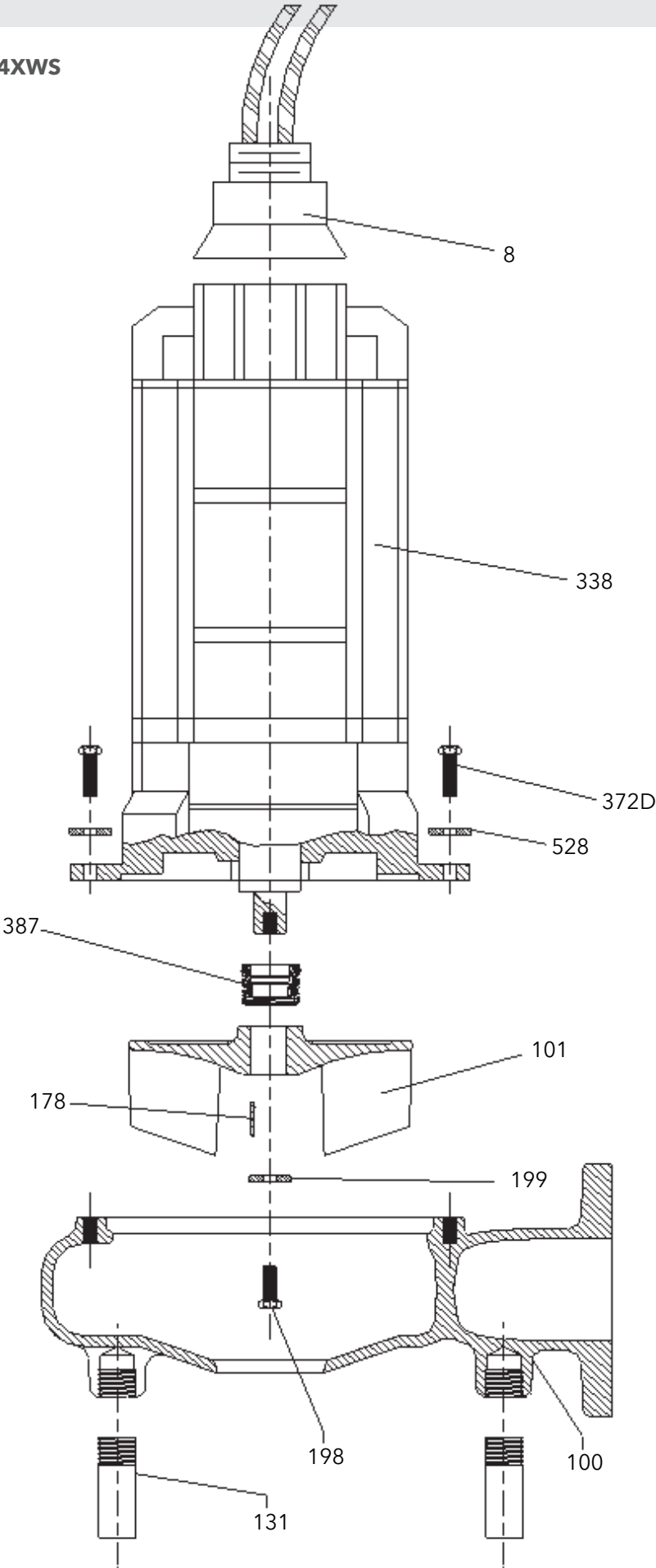
MODELS 3WDA/3DWS, 4WDA/4DWS



MODELS 3WDA/3DWS, 4WDA/4DWS

Item No.	Part Description	Qty. Req'd.	Repair Parts Order Number
361/383/387/ 412M/412P	Repair Kit (Retaining Ring/Mechanical Seal/O-Rings)	1	3888SDREPKIT
457/484B/456	20 Ft. Power Cable Kit 1PH: 1.1/2HP and 2HP, 230V, standard with bare leads/Wire Nuts/Strain Relief Assembly	1	WWPOWKIT6
	20 Ft. Power Cable Kit 1PH: 2HP, 3HP and 5HP, 208V, standard with bare leads/Wire Nuts/Strain Relief Assembly	1	WWPOWKIT8
	20 Ft. Power Cable Kit 3PH: 1.1/2HP, 2HP, 3HP (except 200V) and 5HP, 460V, 575V-bare leads/Wire Nuts/Strain Relief Assembly	1	WWPOWKIT7
	20 Ft. Power Cable Kit 3PH: 3HP, 200V, 5HP 200/230V and all 7.1/2HP-bare leads/Wire Nuts/Strain Relief Assembly	1	WWPOWKIT9
455A/457/484	20 Ft. Mechanical Seal Sensor: Standard on 3SD and 4SD. (N/A on 3888D3 nor 3888D4)/Wire Nuts/Strain Relief Assembly	1	WWSENKIT1
	20 Ft. Seal/Heat Sensor: Optional on 3SD and 4SD/Wire Nuts/Strain Relief Assembly	1	WWSENKIT2

MODELS 3XWS/4XWS



Wastewater

MODELS 3XWS/4XWS

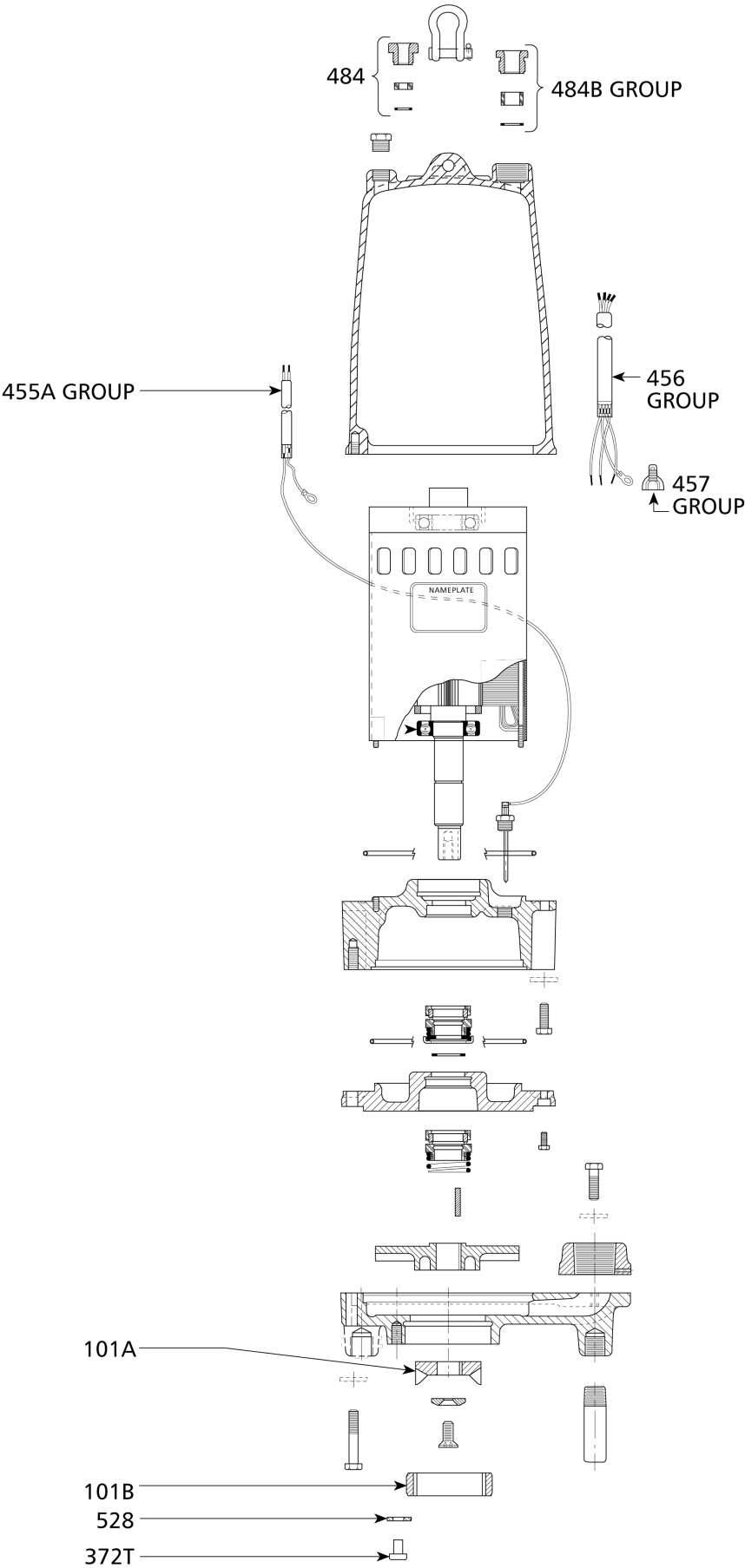
Item No.	Part Description	Material	Qty. Req'd.	Repair Parts Order Number					Max. Wt. (lbs.)	
					1750 RPM					
				1½ HP	2 HP	3 HP	5 HP	7½ HP		
100	Casing - 3XWS	Cast Iron	1	1K429					35.0	
	Casing - 4XWS			1K428					53.0	
101	Impeller - 3XWS	Cast Iron	1	2K918 5 ¹³ / ₁₆ "	2K916 6 ¹ / ₈ "	2K914 6 ³ / ₄ "	2K912 7 ⁷ / ₈ "	2K910 8 ⁵ / ₁₆ "		
	Impeller - 3XWS	Bronze		2K919 5 ¹³ / ₁₆ "	2K917 6 ¹ / ₈ "	2K915 6 ³ / ₄ "	2K913 7 ⁷ / ₈ "	2K911 8 ⁵ / ₁₆ "		
	Impeller - 4XWS	Cast Iron		N/A	2K904 5 ¹¹ / ₁₆ "	2K906 6 ⁵ / ₁₆ "	2K908 7 ¹ / ₈ "	2K532 7 ¹¹ / ₁₆ "		
	Impeller - 4XWS	Bronze			2K905 5 ¹¹ / ₁₆ "	2K907 6 ⁵ / ₁₆ "	2K909 7 ¹ / ₈ "	2K533 7 ¹¹ / ₁₆ "		
131	Foot - Standard	Steel	3	4K42					-	
	Foot - Optional	Cast Iron	1 Kit	4K625					-	
178	Impeller Key	AISI 300 SS	1	4K11					-	
198	Impeller Bolt	17-4 PH	1	13K48					-	
199	Impeller Washer	AISI 300 SS	1	13L39					-	
338	Motor	1 Phase, 230V	Stainless Steel	1	278-72 12	278-72 22	278-72 32	N/A	N/A	180TY 200 lbs. Air Filled
		3 Phase, 200V			278-72 13	278-72 23	278-72 33	278-72 43	278-72 53	
		3 Phase, 230V			278-72 14	278-72 24	278-72 34	278-72 44	278-72 54	
		3 Phase, 460V			278-72 15	278-72 25	278-72 35	278-72 45	278-72 55	
		3 Phase, 575V			278-72 16	278-72 26	278-72 36	278-72 46	278-72 56	
372D	Hex Cap Screw - Casing to Motor	AISI 300 SS	8	13K304					-	
387	Mechanical Seal - Standard	Carbon/Ceramic	1	10K137 (180TY)					-	
	Mechanical Seal - Optional	Silicon/Silicon	1	10K134 (180TY)						
	Mechanical Seal - Optional	Silicon/Tungsten	1	10K135 (180TY)						
528	Lockwasher	AISI 300 SS	8	13K158					-	

Reliance	Part Description	Material	Quantity	Repair No.	Motor Frame
Motor Repair Parts	Mechanical Seal Kit - Upper & Lower	Carbon/Ceramic	1 Set	10K183	180TY
	Bearing Kit - Upper & Lower	Steel	1 Set	4K700	
	O-Ring Kit	BUNA-N	1 Set	5K422	

Item No.	Models 3XWS/4XWS, Power and Control Cap/Cables	Type and AWG Size	Standard length	Optional Lengths	Wt. (lbs./5 ft.)
			25'	50'	
8	1 PH: 1½ HP, 230V, 140TY	SOW, SOOW - 10/4	9K357	9K358	
	1 PH: 1½, 2 and 3 HP, 230V, 180TY	SOW, SOOW - 8/4	9K359	9K360	
	3 PH: 1½, 2 and 3 HP, 200-230/460/575V, 140TY	SOW, SOOW - 14/4	9K361	9K362	
	3 PH: 5 HP, 200-230/460V, 180TY	SOW, SOOW - 12/4	9K365	9K366	
	3 PH: 7½ HP, 200-230/460V, 180TY	SOW, SOOW - 10/4	9K367	9K368	
	3 PH: 5 and 7½ HP, 575V, 180TY	SOW, SOOW - 14/4	9K363	9K364	
	3 PH: 1½, 2 and 3 HP, 200, 230, 460, 575V, 180TY	SOW, SOOW - 14/4	9K363	9K364	

Control Cable is AWG Size 18/5 - SOW.

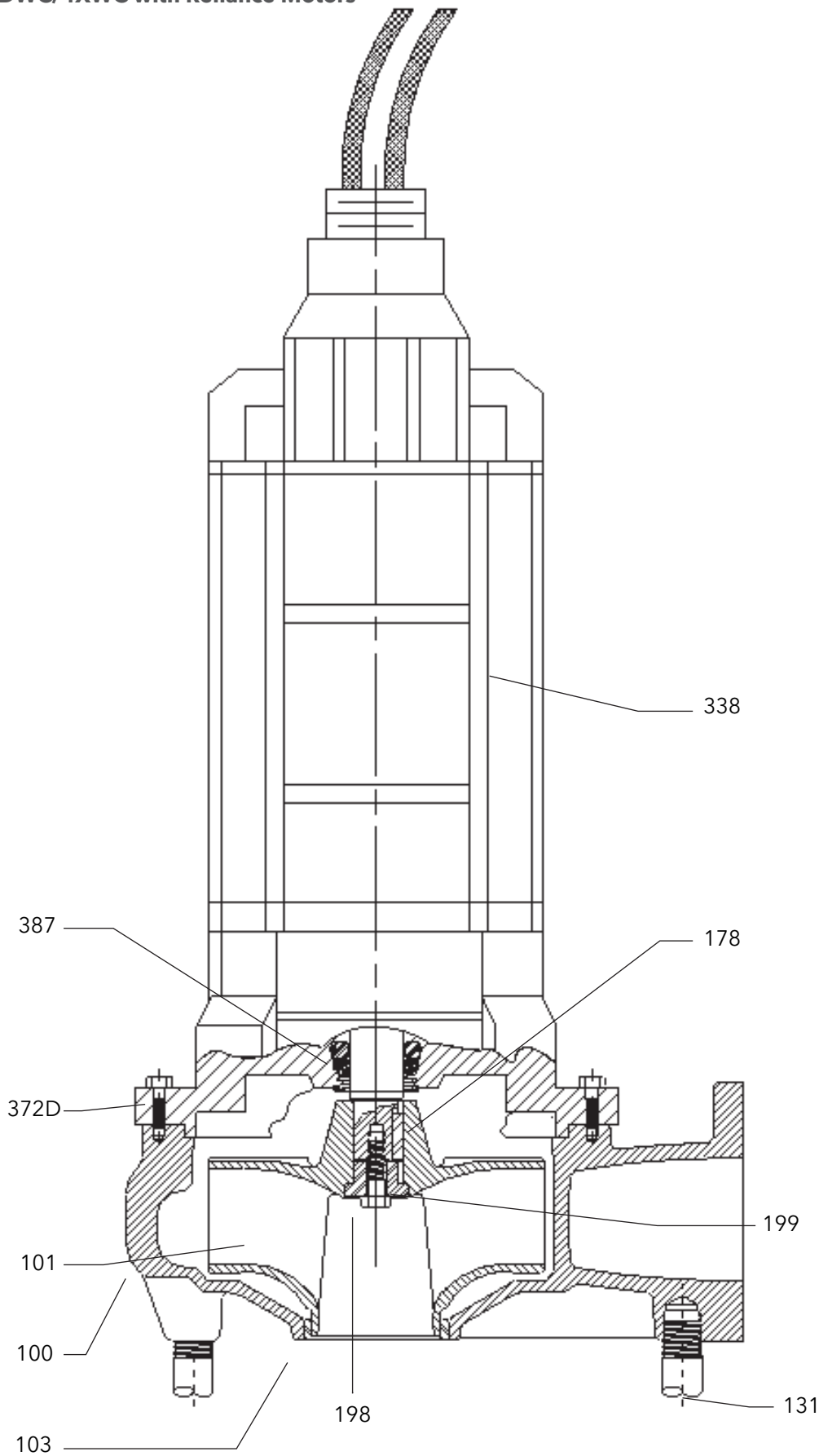
MODEL 12GDS



MODEL 12GDS

Item No.	Part Description	Qty. Req'd.	Repair Parts Order Number
101A,101B, 372T,528	Cutter/Cutter Ring/Hex Cap Screw-Cutter Ring Retainer/ Washer-Cutter Ring Retainer	1	1GDCUTKIT
456,457,484B	20 Ft. Power Cable Kit-1 and 3PH:2HP,200-230/460/575V with bare leads/Wire Nuts/Strain Relief Assembly	1	WWPOWKIT7
455A/457/484	20 Ft. Mechanical Seal Sensor: Optional	1	WWSENKIT1
	20 Ft. Heat Sensor: 3 Phase Only (Optional)/Wire Nuts/ Strain Relief Assembly	1	WWSENKIT1
	20 Ft. Mechanical Seal/Heat Sensor: 3 Phase Only (Optional)/Wire Nuts/Strain Relief Assembly	1	WWSENKIT2

MODELS 4DWC/4XWC with Reliance Motors



Wastewater

MODELS 4DWC/4XWC with Reliance Motors

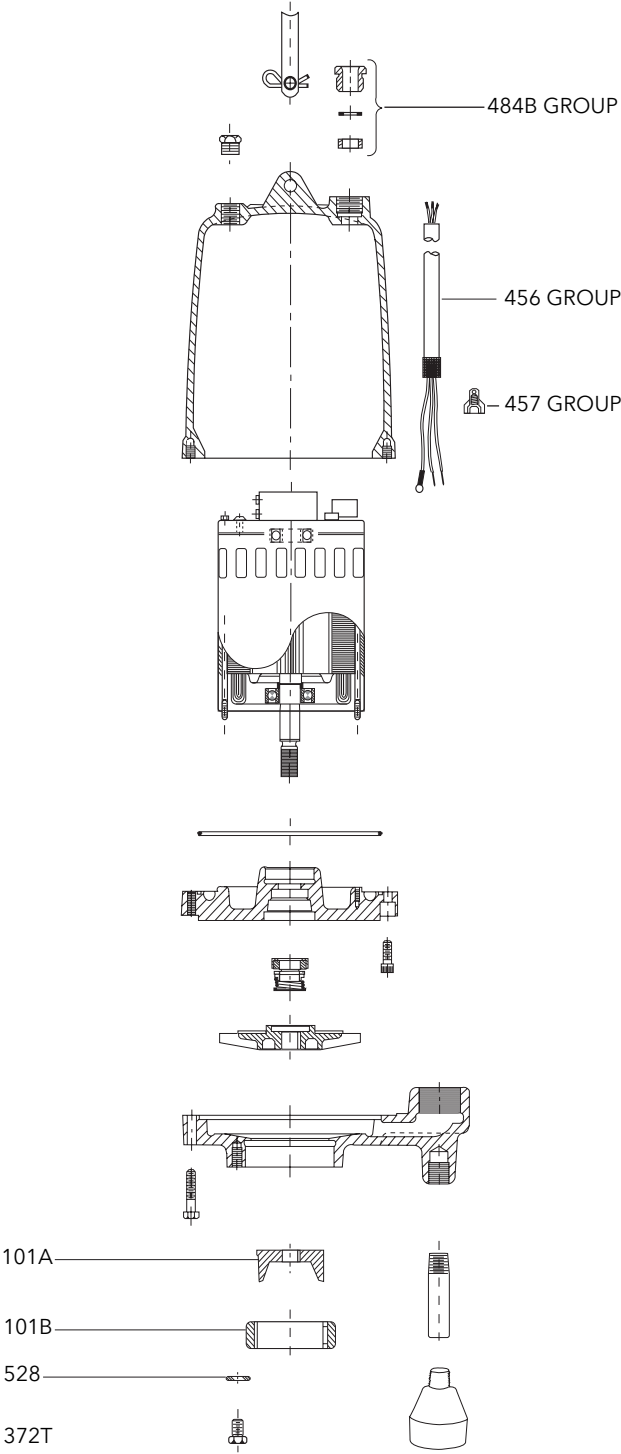
Item No.	Part Description		Material	Qty. Req'd.	Repair Parts Order Number								Max. Wt. (lbs.)	
					1750 RPM						1150 RPM			
					7½ HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	7½ HP		10 HP
100	Casing - with Wear Ring		Cast Iron	1	1K326								75.0	
101	Impeller - 4NS/4XD		Cast Iron		2K781 7½"	2K779 8"	2K776 9"	2K774 9¾"	2K772 10⅝"	2K771 10¾"	2K770 11"	2K773 10⅝"	2K770 11"	21.5-
	Impeller - 4NS/4XD		Bronze		2K795 7½"	2K793 8"	2K790 9"	2K788 9¾"	2K786 10⅝"	2K785 10¾"	2K784 11"	2K787 10⅝"	2K784 11"	25.0-
103	Casing Wear Ring		Bronze	1	4K264								2.0	
131	Foot - Standard		Steel	3	4K367 (Old), 4K42 (New)								2.0	
	Foot - Optional		Cast Iron	1 Kit	4K625								-	
178	Impeller Key		AISI 300 SS	1	4K392								-	
198	Impeller Bolt		AISI 300 SS	1	13K275								-	
199	Impeller Washer		AISI 300 SS	1	4K431								-	
338	Motor	3 Phase, 200V	Replace 279-26 with 279-27 for UL listed Explosion Proof Motor. Index Suffixes are the same.	1	279-261 (210TY)	279-2611 (210TY)	279-2621 (210TY)	279-2631 (210TY)	279-2641 (250TYS)	279-2651 (250TYS)	279-2661 (250TYS)	279-2671 (210TY)	279-2681 (210TY)	210TY 315 lbs. 250TYS Air Filled 750 lbs. Air Filled
		279-262 (210TY)			279-2612 (210TY)	279-2622 (210TY)	279-2632 (210TY)	279-2642 (250TYS)	279-2652 (250TYS)	279-2662 (250TYS)	279-2672 (210TY)	279-2682 (210TY)		
		279-263 (210TY)			279-2613 (210TY)	279-2623 (210TY)	279-2633 (210TY)	279-2643 (250TYS)	279-2653 (250TYS)	279-2663 (250TYS)	279-2673 (210TY)	279-2683 (210TY)		
		279-264 (210TY)			279-2614 (210TY)	279-2624 (210TY)	279-2634 (210TY)	279-2644 (250TYS)	279-2654 (250TYS)	279-2664 (250TYS)	279-2674 (210TY)	279-2684 (210TY)		
		279-265 (210TY)			279-2615 (210TY)	279-2625 (210TY)	279-2635 (210TY)	279-2645 (250TYS)	279-2655 (250TYS)	279-2665 (250TYS)	279-2675 (210TY)	279-2685 (210TY)		
372D	Hex Cap Screw - Casing to Motor		AISI 300 SS	8	13K45								-	
387	Mechanical Seal - Standard		Carbon/Ceramic	1	10K157				10K160		10K157		-	
	Mechanical Seal - Optional		Silicon/Silicon	1	10K158				10K161		10K158			
	Mechanical Seal - Optional		Silicon/Tungsten	1	10K159				10K162		10K159			

Power and Control Cap/Cables for Reliance Motors	Type and AWG Size	Standard length	Optional Lengths	Wt. (lbs./5 ft.)
		25'	50'	
	SOW, SOOW 14/4	9K423	9K431	
	SOW, SOOW 12/4	9K424	9K432	
	SOW, SOOW 10/4	9K425	9K433	
	SOW, SOOW 8/4	9K426	9K434	
	SOW, SOOW 6/4	9K427	9K435	
	SOW, SOOW 4/4	9K428	9K436	
	SOW, SOOW 2/4	9K429	9K437	
	SOW, SOOW 1/0/4	9K430	9K438	

Control Cable is AWG Size 18/5 - SOW-A, SO.

Reliance	Part Description	Material	Quantity	Repair No.	Motor Frame	Repair No.	Motor Frame
Motor Repair Parts	Mechanical Seal Kit – Upper & Lower	Carbon/Ceramic	1 Set	10K181	210TY	10K182	250TY
	Bearing Kit – Upper & Lower	Steel	1 Set	4K698		4K699	
	O-Ring Kit	BUNA-N	1 Set	5K420		5K421	

MODEL 12GS



Item No.	Part Name	Qty.	Repair Parts Order Number
101A,101B,372T,528	Cutter Ring Assembly	1	RGSCUTKIT
456,457,484B	20 Ft.Power Cord Assembly	1	RGSPOWKIT

Wastewater

MODELS 15GDS/20GDS

Pump	Impeller Code	Phase	Impeller	Repair Kit	Inner Seal	Outer Seal	Cutter Wheel	Cutter Ring
3 hp	H	1	2K1227	5K481	10K201	10K208	4K812	4K814
3 hp	L	1	2K1228					4K818
5.4 hp	G	1	2K1229	5K482	10K202	10K207	4K813	4K817
5.4 hp	K	1	2K1230					4K816
9.4 hp	F	1	2K1460	5K480	10K204	10K205		4K1608
9.4 hp	J	1	2K1225					4K819
4 hp	C	3	2K1222	5K505	10K201	10K206	4K812	4K814
6 hp	B	3	2K1223	5K482	10K202	10K207	4K813	4K817
6 hp	E	3	2K1224					4K816
11 hp	A	3	2K1226	5K480	10K204	10K205		4K817
11 hp	D	3	2K1460					4K816

Repair Kit includes: Seals, O-rings, Bearings

EFFLUENT, SEWAGE AND GRINDER OIL VOLUMES

Model	Oil Volume - Motor Housing	Oil Volume - Seal Housing
	Quarts	Quarts
2EC (WE's)	3.90	N/A
2DES's	3.90	0.40
2WT	3.90	N/A
2WF	3.90	N/A
2WF-H	3.90	N/A
2DWS/2DWC's	3.90	0.40
3WDA	7.00	1.70
3DWS's	7.00	1.70
4WDA	7.00	1.50
4DWS's	7.00	1.50
4WDA - 7½ HP	6.00	1.50
4DWS's - 7½ HP	6.00	1.50
12GS	3.90	N/A
12GDS - Single Phase	3.55	0.90
12GDS - Three Phase	3.90	0.90

Noco T-32 oil is standard.

Note: Normally a minimum of a 1" air gap at the top of the motor/seal housing should be maintained due to thermal expansion of the oil.

4K432 OIL SPECIFICATION:

5 gallon can of ASTM 150 Turbine Oil

COMPARABLE BRAND NAMES:

Sunoco	Sunvis 932
Mobil	DTE Light
Texaco	Regal R&O 32
Shell	Turbo 32
Gulf	Harmony 32
Amoco	Am. Industries Oil 32
Exxon	Nuto 32

Please contact Customer Service for part information: Phone (866) 325-4210 or Fax (888) 322-5877.

NOTES

NOTES

NOTES

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com



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