

# Wilo – SWP Series – Sewage Pump



## Type key

Example : **SWP 50/7-04-V-1-A**

<b>SWP</b>	Sewage Pump
<b>50</b>	Discharge (mm)
<b>7</b>	Shut-off head at Zero flow (m)
<b>04</b>	Motor power x 100 (watts)
<b>V</b>	Impeller type (V – Vortex/C- Channel)
<b>1</b>	Motor Phase
<b>A</b>	Float switch

## Application

- Drainage for wastewater and factories, and waste water treatment plant.
- Delivery of sewage at sewage treatment plant, human waste treatment.
- Drainage for buildings.
- Treatment utility drainage

## Special features/product advantages

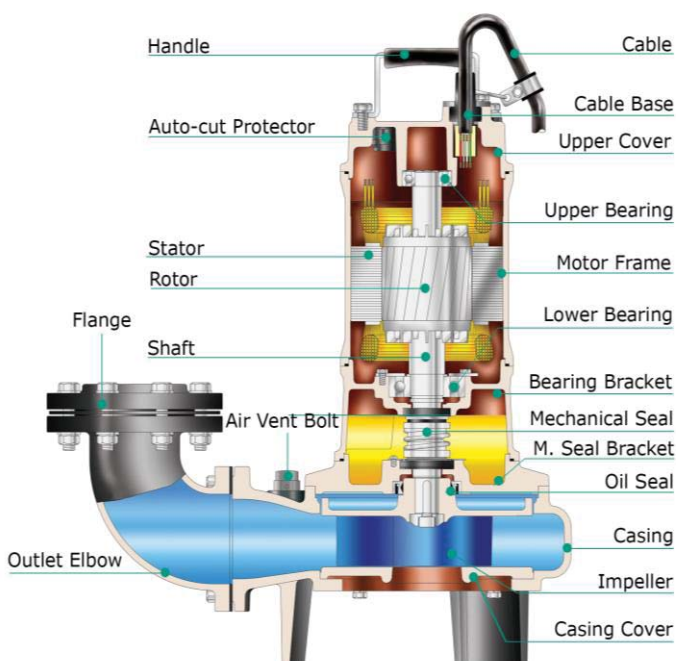
- International standard design. Offering highest quality and performance
- Multiple impeller designs to handle sewage applications solid or fibrous substances.
- Full range offering low to high head and flow capabilities with compact and easy installation.

## Technical data

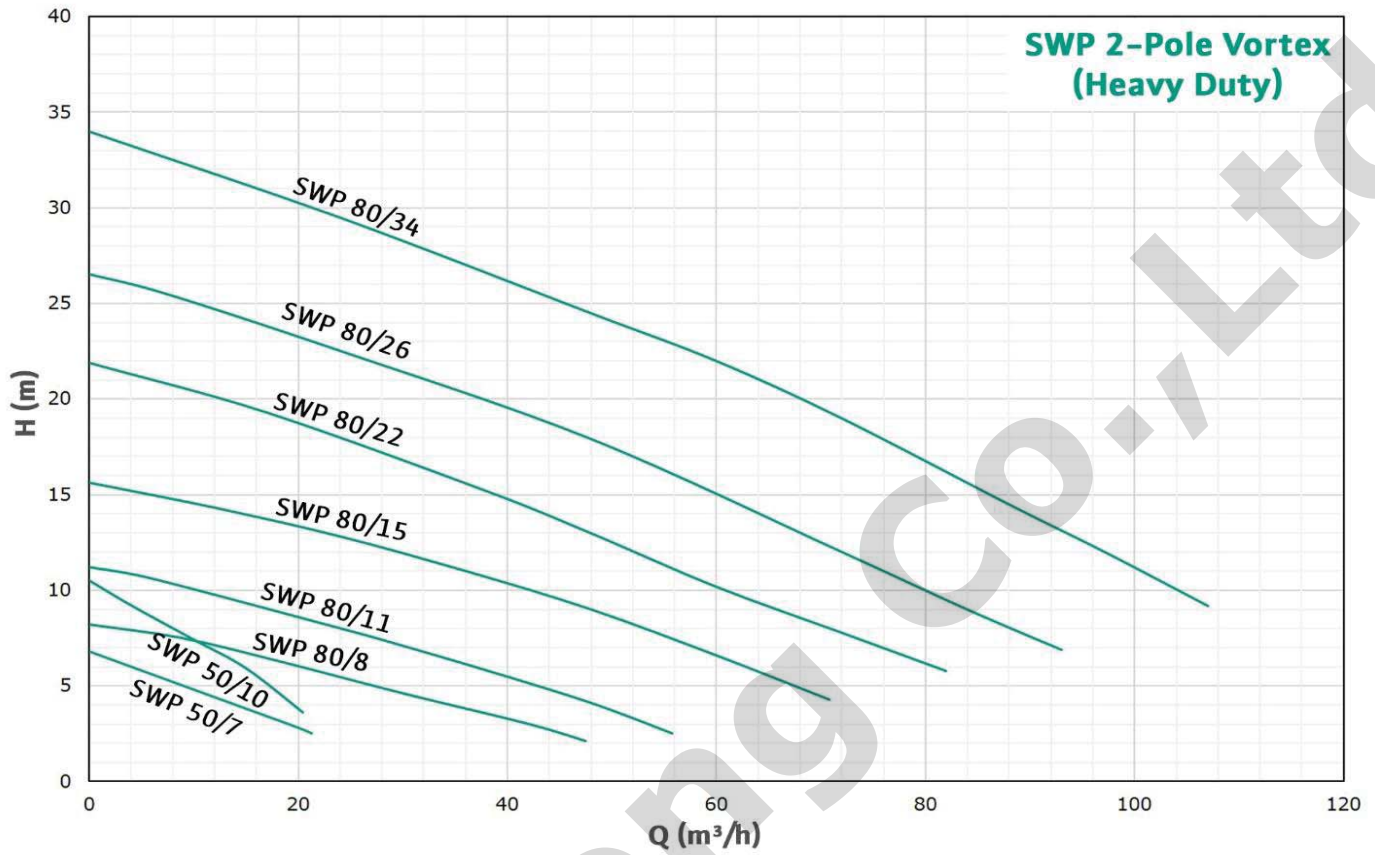
- Liquid Temperature: 0~40°C
- Frequency: 50 Hz
- Motor: 2- 4 Pole Dry Motor
- Insulation: Class B  
Class F (3.7 kW)
- Protection: IP 68
- Protector: Auto-cut
- Bearing: Ball type
- Mechanical seal: Double Mech. seals
- Impeller: Vortex or Channel

## Materials

- Upper cover : Cast Iron (FC200)
- Motor frame : Cast Iron (FC200)
- Shaft end : 403 Stainless Steel
- Mechanical seal  
Upper : Carbon/Ceramic  
Lower : Silicon/Silicon
- Casing : Cast Iron (FC200)
- Impeller : Cast Iron (FC200)
- Cable : VCT (optional H07RN-F)

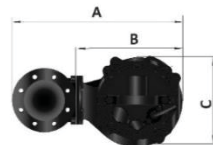


## Performance Curves and Technical Data

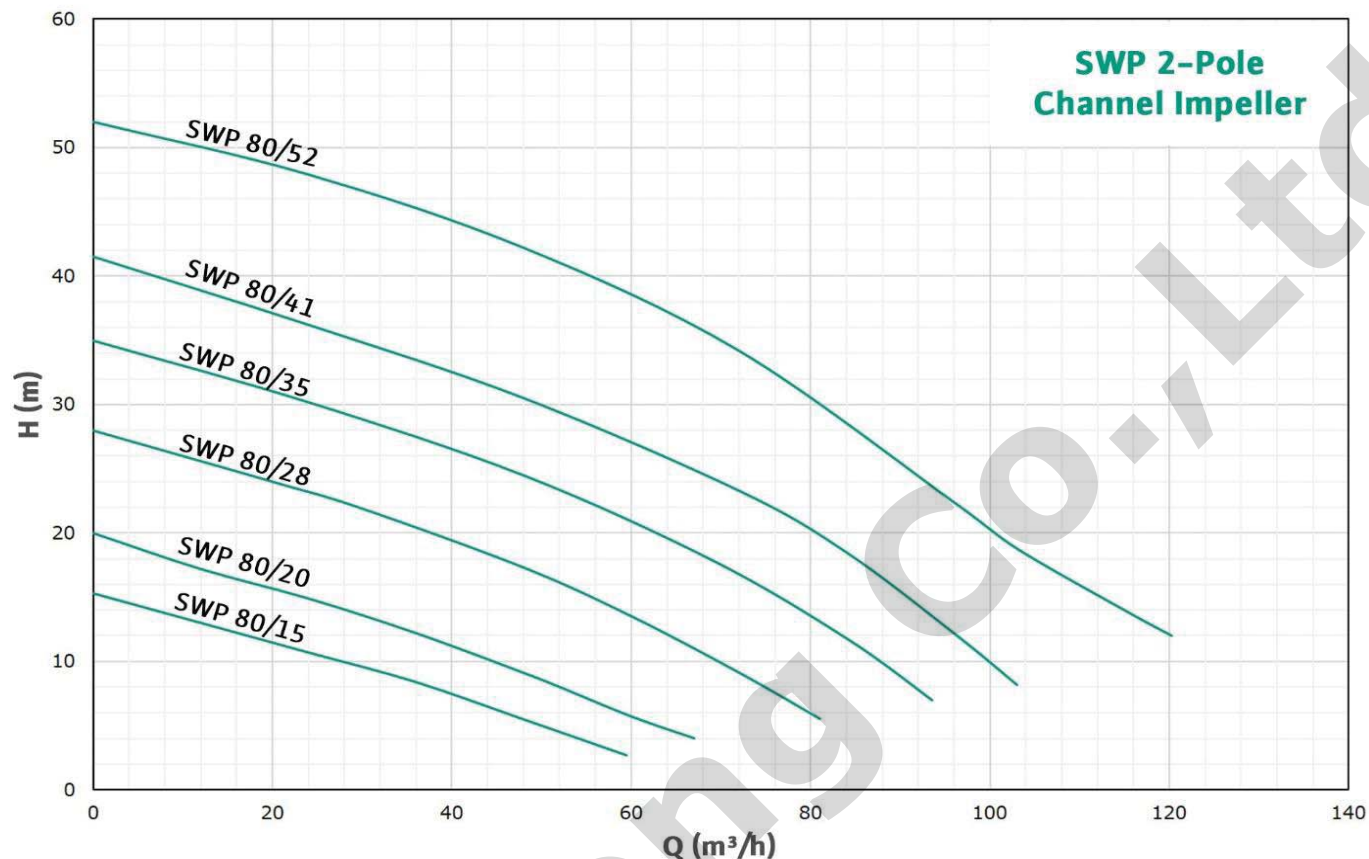


Model SWP 2-Pole Vortex (Heavy Duty)	Discharge (mm)	Solid Passage (mm)	Rated power		Full Load Ampere				Pole	Weight (Kg)	
					1 Ø	3 Ø				1 Ø	3 Ø
			kW	HP		230V	380V	400V			
SWP 50/7-04-V	50	50	0.4	0.5	3.3	1.4	1.3	1.3	2	20	19
SWP 50/10-075-V	50	50	0.75	1	5.0	2.0	2.0	1.9	2	22	21
SWP 80/8-15-V	80	76	1.5	2	10.0	3.6	3.5	3.4	2	38	34
SWP 80/11-22-V	80	76	2.2	3	14.6	5.1	5.0	4.8	2	40	36
SWP 80/15-37-V-3	80	76	3.7	5	~	8.4	8.2	7.7	2	~	48
SWP 80/22-55-V-3	80	76	5.5	7.5	~	11.7	11.3	11.2	2	~	70
SWP 80/26-75-V-3	80	76	7.5	10	~	15.3	14.5	14.4	2	~	76
SWP 80/34-110-V-3	80	76	11	15	~	22.2	21.6	21.6	2	~	87

Model SWP 2-Pole Vortex (Heavy Duty)	A	B	C	D
	(mm)			
SWP 50/7-04-V	307	201	164	447
SWP 50/10-075-V	307	201	164	447
SWP 80/8-15-V	402	265	221	626
SWP 80/11-22-V	402	265	221	653
SWP 80/15-37-V-3	481	286	235	625
SWP 80/22-55-V-3	506	314	273	717
SWP 80/26-75-V-3	506	314	273	717
SWP 80/34-110-V-3	506	314	273	757

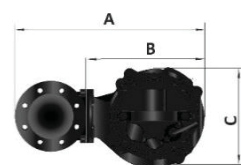


## Performance Curve and Technical Data

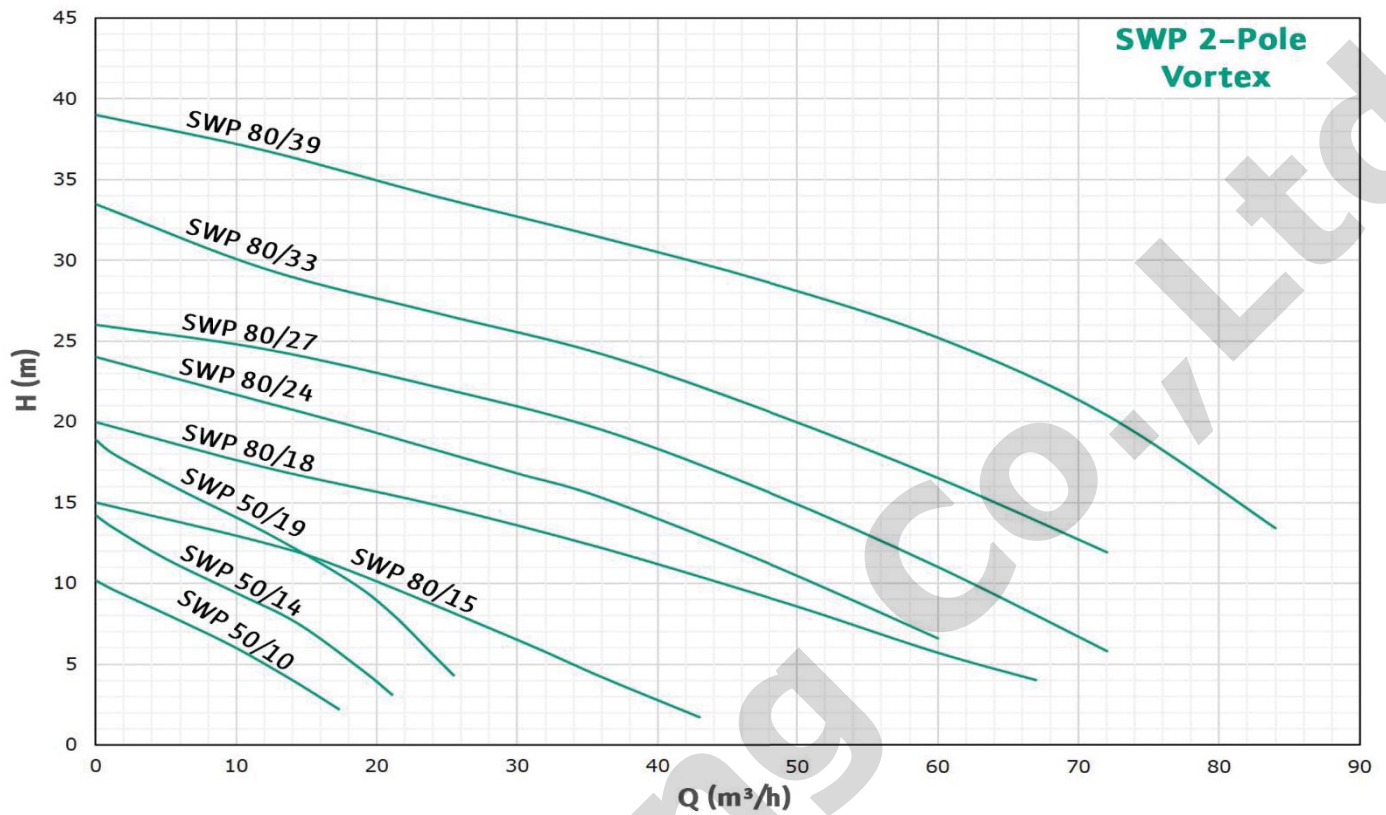


Model SWP 2-Pole Channel Impeller	Discharge (mm)	Solid Passage (mm)	Rated power		Full Load Ampere				Pole	Weight (Kg)	
					1 Ø		3 Ø			1 Ø	3 Ø
					230V	380V	440V	415V			
SWP 80/15-15-C	80	35	1.5	2	10.0	3.6	3.5	3.4	2	37	33
SWP 80/20-22-C	80	35	2.2	3	14.6	5.1	5.0	4.8	2	40	35
SWP 80/28-37-C-3	80	32	3.7	5	~	8.4	8.2	7.7	2	~	48
SWP 80/35-55-C-3	80	30	5.5	7.5	~	11.7	11.3	11.2	2	~	75
SWP 80/41-75-C-3	80	30	7.5	10	~	15.3	14.5	14.4	2	~	81
SWP 80/52-110-C-3	80	30	11	15	~	22.2	21.6	21.6	2	~	91

Model SWP 2-Pole Channel Impeller	A	B	C	D
	(mm)			
SWP 80/15-15-C	417	275	260	576
SWP 80/20-22-C	417	275	260	603
SWP 80/28-37-C-3	498	305	290	578
SWP 80/35-55-C-3	565	373	345	689
SWP 80/41-75-C-3	565	373	345	689
SWP 80/52-110-C-3	565	373	345	729

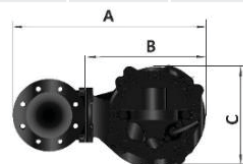


## Performance Curves and Technical Data



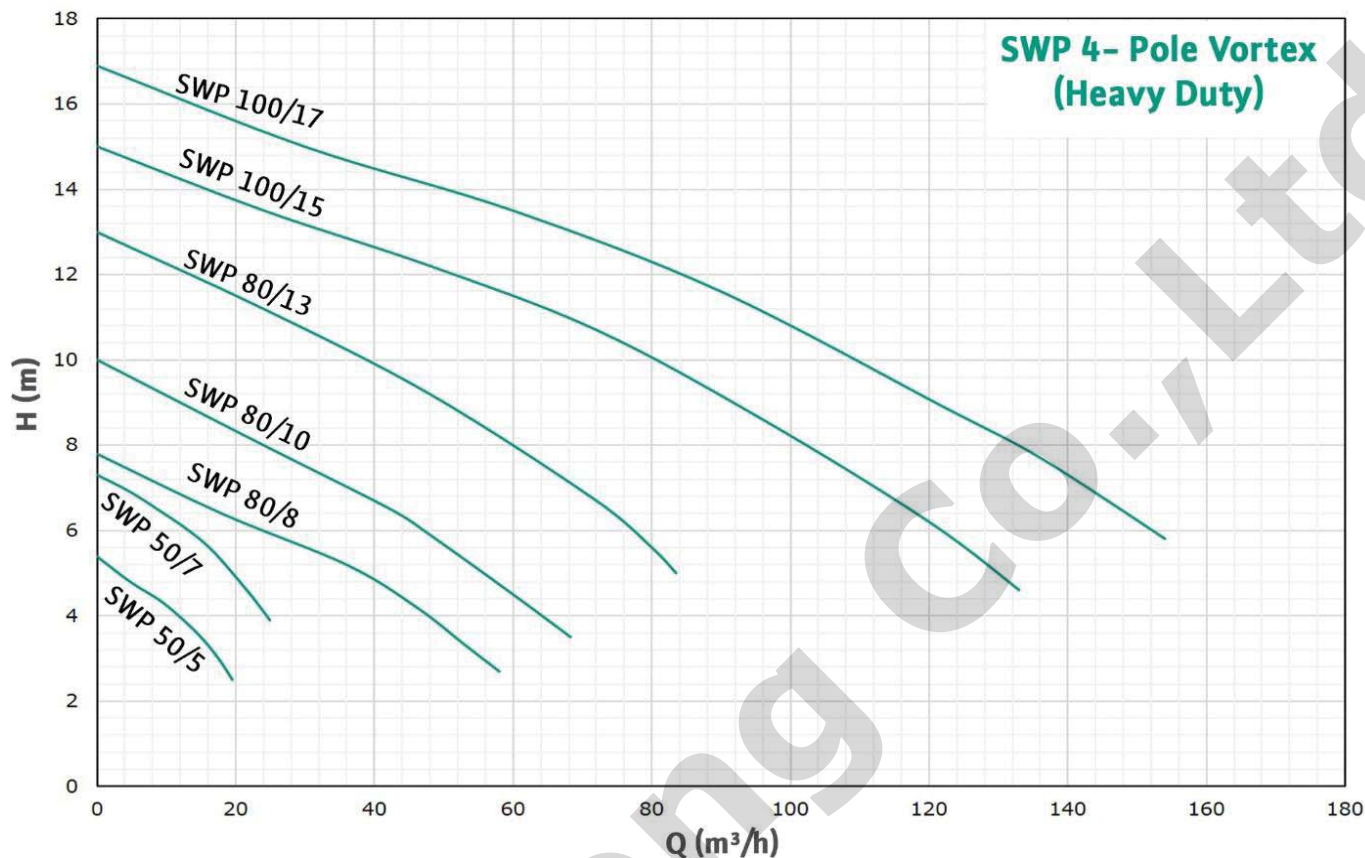
Model SWP 2-Pole Vortex	Discharge (mm)	Solid Passage (mm)	Rated power		Full Load Ampere				Pole	Weight (Kg)	
			kW	HP	1 $\phi$	3 $\phi$				1 $\phi$	3 $\phi$
					230V	380V	400V	415V			
SWP 50/10-04-V	50	35	0.4	0.5	3.3	1.4	1.3	1.3	2	19	18
SWP 50/14-075-V	50	35	0.75	1	5.0	2	2	1.9	2	20	19
SWP 50/19-15-V	50	50	1.5	2	10.0	3.6	3.5	3.4	2	33	29
SWP 80/15-15-V	80	50	1.5	2	10.0	3.6	3.5	3.4	2	35	32
SWP 80/18-22-V	80	50	2.2	3	14.6	5.1	5	4.8	2	38	34
SWP 80/24-37-V-3	80	50	3.7	5	~	8.4	8.2	7.7	2	~	46
SWP 80/27-55-V-3	80	50	5.5	7.5	~	11.7	11.3	11.2	2	~	68
SWP 80/33-75-V-3	80	50	7.5	10	~	15.3	14.5	14.4	2	~	74
SWP 80/39-110-V-3	80	50	11	15	~	22.2	21.6	21.6	2	~	85

Model SWP 2-Pole Vortex	A	B	C	D
	(mm)			
SWP 50/10-04-V	235	197	154	417
SWP 50/14-075-V	235	197	154	417
SWP 50/19-15-V	288	250	202	532
SWP 80/15-15-V	397	260	202	574
SWP 80/18-22-V	397	260	202	601
SWP 80/24-37-V-3	481	286	222	573
SWP 80/27-55-V-3	501	309	258	665
SWP 80/33-75-V-3	501	309	258	665
SWP 80/39-110-V-3	501	309	258	705





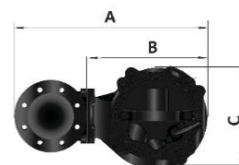
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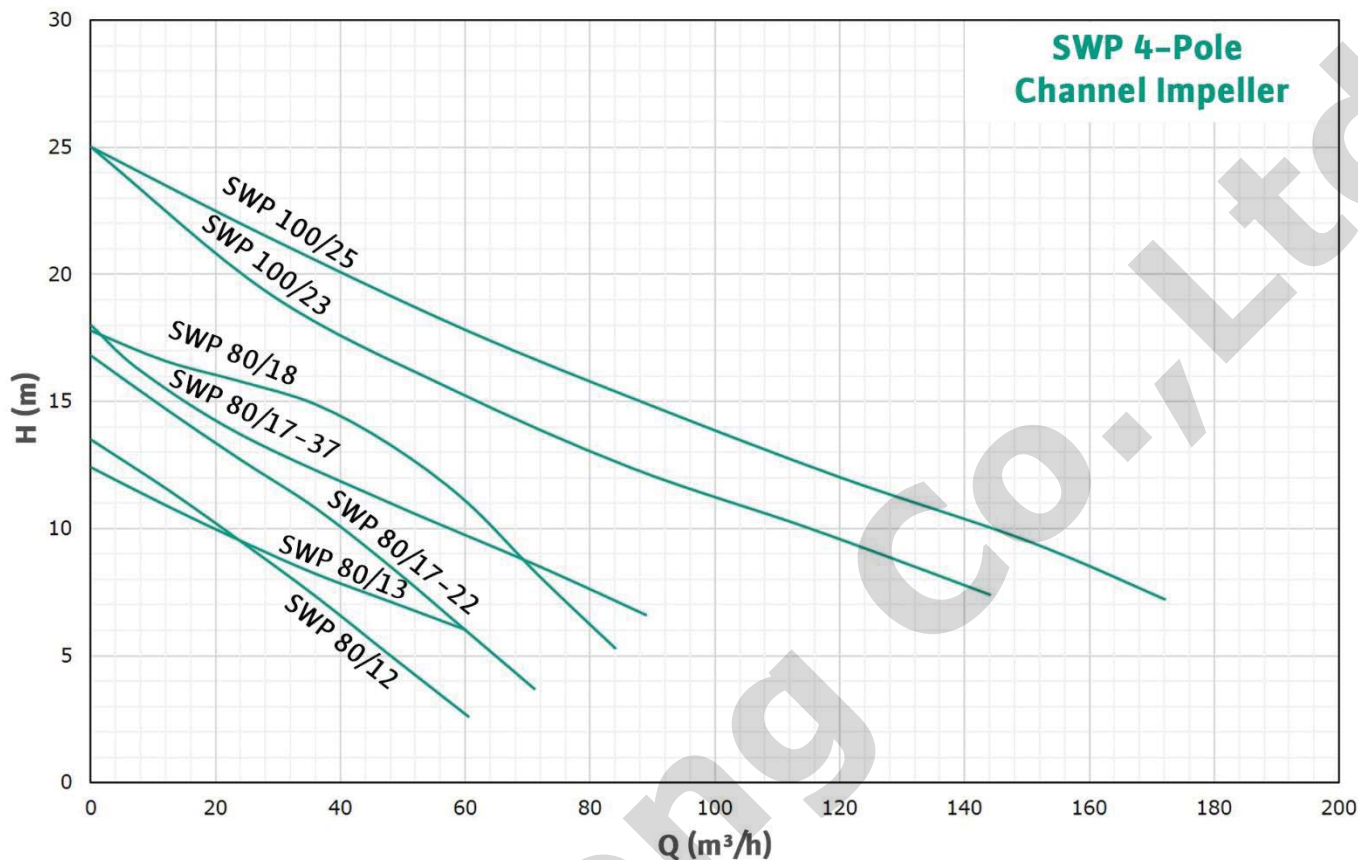
**SWP 4- Pole Vortex  
(Heavy Duty)**

Model SWP 4-Pole Vortex (Heavy Duty)	Discharge (mm)	Solid Passage (mm)	Rated power		Full Load Ampere				Pole	Weight (Kg)	
					1 $\phi$	3 $\phi$				1 $\phi$	3 $\phi$
			kW	HP		230V	380V	400V			
SWP 50/5-04/4-V	50	50	0.4	0.5	3.1	1.3	1.3	1.2	4	30	28
SWP 50/7-075/4-V	50	50	0.75	1	5.2	2.1	2	2	4	30	29
SWP 80/8-15/4-V	80	76	1.5	2	10.2	3.9	3.8	3.6	4	47	47
SWP 80/10-22/4-V-3	80	76	2.2	3	~	5.5	5.4	5.1	4	~	57
SWP 80/13-37/4-V-3	80	76	3.7	5	~	8.8	8.8	8.4	4	~	65
SWP 100/15-55/4-V-3	100	100	5.5	7.5	~	12.6	12.3	12.3	4	~	96
SWP 100/17-75/4-V-3	100	100	7.5	10	~	16.3	16	16	4	~	105

Model SWP 4-Pole Vortex (Heavy Duty)	A	B	C	D
	(mm)			
SWP 50/5-04/4-V	347	241	204	526
SWP 50/7-075/4-V	347	241	204	526
SWP 80/8-15/4-V	447	305	255	698
SWP 80/10-22/4-V-3	535	343	289	655
SWP 80/13-37/4-V-3	535	343	289	695
SWP 100/15-55/4-V-3	615	393	337	813
SWP 100/17-75/4-V-3	615	393	337	853



## Performance Curves and Technical Data



Model SWP 4-Pole Channel Impeller	Discharge (mm)	Solid Passage (mm)	Rated power		Full Load Ampere				Pole	Weight (Kg)	
					kW	HP	1 $\phi$	3 $\phi$			1 $\phi$
			230V	380V			400V	415V			
SWP 80/13-15/4-C	80	50	1.5	2	10.2	3.9	3.8	3.6	4	47	47
SWP 80/17-22/4-C-3	80	50	2.2	3	~	5.5	5.4	5.1	4	~	58
SWP 80/18-37/4-C-3	80	50	3.7	5	~	8.8	8.8	8.4	4	~	67
SWP 80/12-22/4-C-3	80	76	2.2	3	~	5.5	5.4	5.1	4	~	60
SWP 80/17-37/4-C-3	80	76	3.7	5	~	8.8	8.8	8.4	4	~	71
SWP 100/23-55/4-C-3	100	76	5.5	7.5	~	12.6	12.3	12.3	4	~	110
SWP 100/25-75/4-C-3	100	76	7.5	10	~	12.6	12.3	12.3	4	~	119

Model SWP 4-Pole Channel Impeller	A	B	C	D
	(mm)			
SWP 80/13-15/4-C	474	332	288	645
SWP 80/17-22/4-C-3	550	358	313	603
SWP 80/18-37/4-C-3	550	358	313	643
SWP 80/12-22/4-C-3	521	328	287	660
SWP 80/17-37/4-C-3	539	346	304	700
SWP 100/23-55/4-C-3	653	430	374	786
SWP 100/25-75/4-C-3	653	430	374	826

