

POLO (Water Cooling Submersible Pump)

Polo Series - 50Hz



Product Description

Polo series pumps offer 9 models with semi opener impeller and channel impeller, special water cooling system to prevent water from overheating, ensures high efficiency in power saving, easy to move and operates at very low water level.

Applications

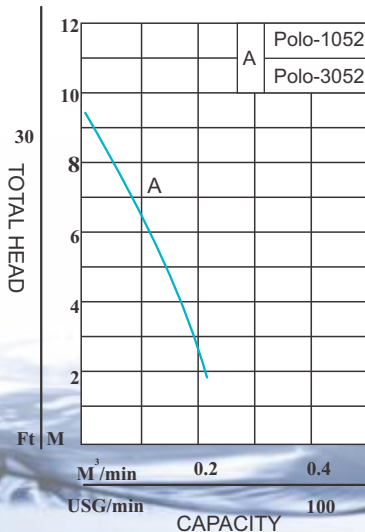
- Fish ponds
- Farm irrigation
- Custom engineering drainage
- Land scape gardening and water cycle



Fish pond

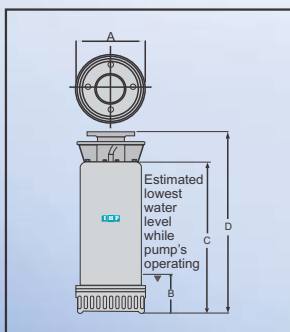
Models	Phase	Pole
Polo-1052	1Ø	2
Polo-3052	3Ø	2

Performance Curves



Specifications

Motor	Type	Dry-type submersible 2-pole	
	Pole	2-P	
	Insulation Class	H-Class (180°C)	
	Frequency	50Hz	
	Protector	Auto-cut (Over heat & Over load)	
	Pole Rotation	2P/2850 RPM	
	Protection class	IP-68	
	Materials	Casing	SUS 304
		Shaft	SUS 403/SUS 410/SUS 420
		Cable	CE/UL Standards
Seal		Carbon/Ceramic	
Pump	Outlet-mm	50mm / 2 inches	
	Impeller Type	Semi-open impeller	
	Impeller Material	FG-200/Bronze/optional	
	Mechanical Seal	Dual mechanical seal made of silicon carbide	
	Bearing	Heavy duty bearing	
	Maximum Depth	10-Mts	
	Liquid temperature	0-40°C (32° F - 104° F)	
	Volute Casing	FG-200	
	Seal Bracket	FG-200	
	Upper Cover	SUS 304/FG-200	



TYPE	Code	A	B	C	D
Polo-1052	C	175	30(10)	275	365
Polo-3052	C	175	50(10)	275	365

C : means low-water dewatering
S : means strainer installation



Model	Type	Phase	Voltage	Power	Outlet	Pole/Rotation	Std.Head	Std.Flow	Max.Flow	Weight	Cable		
Impeller Model	TYPE	PH	VOLT	HP	KW	Inch	mm	P/rpm	M	M³/min	M³/min	KG	Meters
Semi open Impeller	Polo-1052	1Ø	220	½	0.4	2"	50	2P/2850	5 M	0.10	0.22	15	10
	Polo-3052	3Ø	380	½	0.4	2"	50	2P/2850	5 M	0.10	0.22	15	10

* We reserve the right to amend specification without prior notice.

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POLO (Water Cooling Submersible Pump)

Polo Series - 50Hz



Homes



Horticulture



Roof top garden



Fish ponds



POLO (Water Cooling Submersible Pump)

Polo Series - 50Hz



Models	Phase	Pole
Polo-1152	1Ø	2
Polo-3152	3Ø	2

Product Description

Polo series pumps offer 9 models with semi opener impeller and channel impeller, special water cooling system to prevent water from overheating, ensures high efficiency in power saving, easy to move and operates at very low water level.

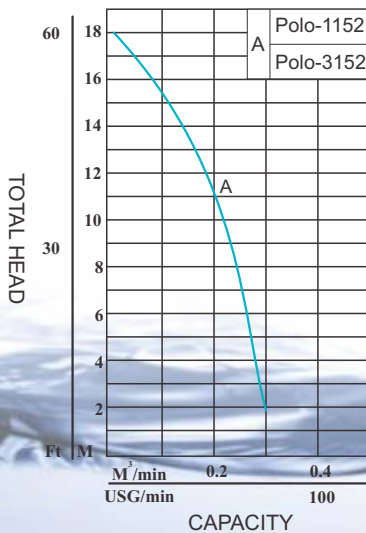
Applications

- Fish ponds
- Farm irrigation
- Custom engineering drainage
- Land scape gardening and water cycle



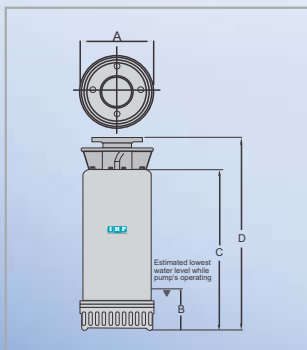
Small drainage pumps for residential use

Performance Curves



Specifications

Motor	Type	Dry-type submersible 2-pole	
	Pole	2-P	
	Insulation Class	H-class (180°C)	
	Frequency	50Hz	
	Protector	Auto-cut (Over heat & Over load)	
	Pole Rotation	2P/2850 RPM	
	Protection class	IP-68	
	Materials	Casing	SUS 304
		Shaft	SUS 403/SUS 410/SUS 420
		Cable	CE/UL Standards
Seal		Carbon/Ceramic	
Outlet-mm		50.	
Pump	Impeller Type	Semi-open impeller	
	Impeller Material	FG-200/Bronze/optional	
	Mechanical Seal	Dual mechanical seal made of silicon carbide	
	Bearing	Heavy duty bearing	
	Maximum Depth	10-Mts	
	Liquid temperature	0~40°C (32° F - 104° F)	
	Volute Casing	FG-200	
	Seal Bracket	FG-200	
Upper Cover	SUS 304/FG-200		



TYPE	Code	A	B	C	D
Polo-1152	S	190	85	430	525
Polo-3152	S	190	85	430	525

C : means low-water dewatering
S : means strainer installation



Model	Type	Phase	Voltage	Power	Outlet	Pole/Rotation	Std.Head	Std.Flow	Max.Flow	Weight	Cable		
Impeller Model	TYPE	PH	VOLT	HP	KW	Inch	mm	P/rpm	M	M ³ /min	M ³ /min	KG	Meters
Channel Impeller	Polo-1152	1Ø	220	1½	1.1	2"	50	2P/2850	13M	0.20	0.30	26	10
	Polo-3152	3Ø	380	1½	1.1	2"	50	2P/2850	13M	0.20	0.30	26	10

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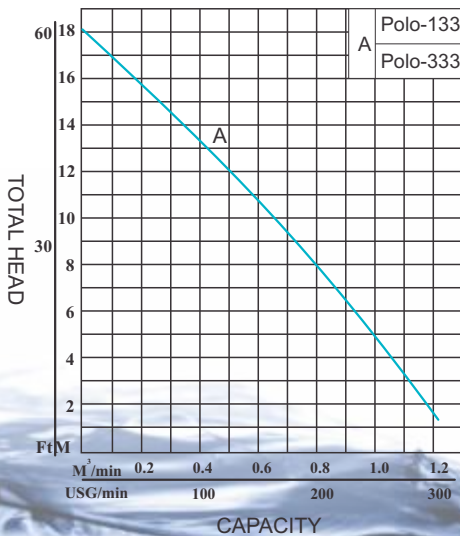


Applications

- Fish ponds
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- Custom engineering drainage
- Land scape gardening and water cycle

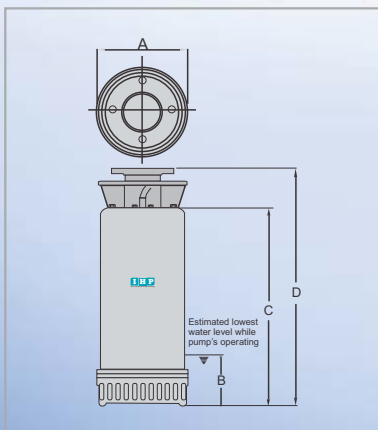
Models	Phase	Pole
Polo-133	1 ϕ	2
Polo-333	3 ϕ	2

Performance Curves



Specifications and landscape gardening

Motor	Type	Dry-type submersible 2-pole	
	Pole	2-P	
	Insulation Class	H-class (180°C)	
	Frequency	50Hz	
	Protector	Auto-cut (Over heat & Over load)	
	Pole Rotation	2P/2850 RPM	
	Protection class	IP-68	
	Materials	Casing	SUS 304
		Shaft	SUS 403/SUS 410/SUS 420
		Cable	CE/UL Standards
Seal		Carbon/Ceramic	
Pump	Outlet-mm	80mm / 3 inches	
	Impeller Type	Semi-open impeller	
	Impeller Material	FC-200/Bronze/optional	
	Mechanical Seal	Dual mechanical seal made of silicon carbide	
	Bearing	Heavy duty bearing	
	Maximum Depth	10-Mts	
	Liquid temperature	0~40°C (32° F - 104° F)	
	Volute Casing	FG-200	
	Seal Bracket	FG-200	
	Upper Cover	SUS 304/FG-200	



TYPE	Code	A	B	C	D
Polo-133	S	230	110	495	595
Polo-333	S	230	110	425	525

C : means low-water dewatering
S : means strainer installation



Model	Type	Phase	Voltage	Power	Outlet	Pole/Rotation	Std.Head	Std.Flow	Max.Flow	Weight	Cable		
Impeller Model	TYPE	PH	VOLT	HP	KW	Inch	mm	P/rpm	M	M³/min	M³/min	KG	Meters
Semi open Impeller	Polo-133	1 \emptyset	220	3	2.2	3"	80	2P/2850	12M	0.50	1.20	42	10
	Polo-333	3 \emptyset	380	3	2.2	3"	80	2P/2850	12M	0.50	1.20	42	10

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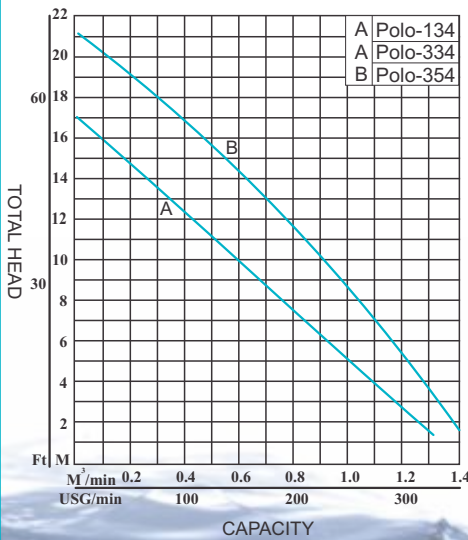
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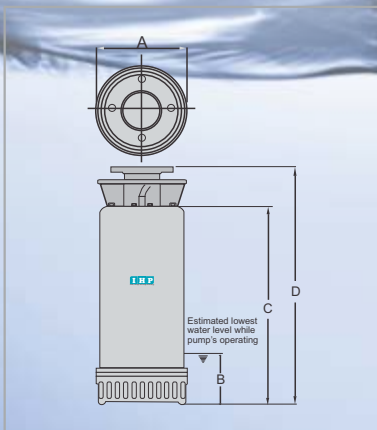
Models	Phase	Pole
Polo-134	3 ϕ	2
Polo-334	3 ϕ	2
Polo-354	3 ϕ	2

Performance Curves



Specifications

Motor	Type	Dry-type submersible 2-pole	
	Pole	2-P	
	Insulation Class	H-class (180°C)	
	Frequency	50Hz	
	Protector	Auto-cut (Over heat & Over load)	
	Pole Rotation	2P/2850 RPM	
	Protection class	IP-68	
	Materials	Casing	SUS 304
		Shaft	SUS 403/SUS 410/SUS 420
		Cable	CE/UL Standards
Seal		Carbon/Ceramic	
Pump	Outlet-mm	100mm / 4 inches	
	Impeller Type	Semi-open impeller	
	Impeller Material	FC-200/Bronze/optional	
	Mechanical Seal	Dual mechanical seal made of silicon carbide	
	Bearing	Heavy duty bearing	
	Maximum Depth	10-Mts	
	Liquid temperature	0~40°C (32° F - 104° F)	
	Volute Casing	FG-200	
	Seal Bracket	FG-200	
	Upper Cover	SUS 304/FG-200	



TYPE	Code	A	B	C	D
Polo-134	S	230	110	495	595
Polo-334	S	230	110	425	525
Polo-354	S	230	110	445	545

C : means low-water dewatering
 S : means strainer installation



Land scape gardening

Model	Type	Phase	Voltage	Power	Caliber	Pole/Rotation	Std.Head	Std.Flow	Max.Flow	Weight	Cable		
Impeller Model	TYPE	PH	VOLT	HP	KW	Inch	mm	P/rpm	M	M ³ /min	M ³ /min	KG	Meters
Channel Impeller	Polo-134	3 ϕ	220	3	2.2	4"	100	2P/2850	10M	0.60	1.30	42	10
	Polo-334	3 ϕ	380	3	2.2	4"	100	2P/2850	10M	0.60	1.30	42	10
	Polo-354	3 ϕ	380	5	3.7	4"	100	2P/2850	10M	0.90	1.40	46	10

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