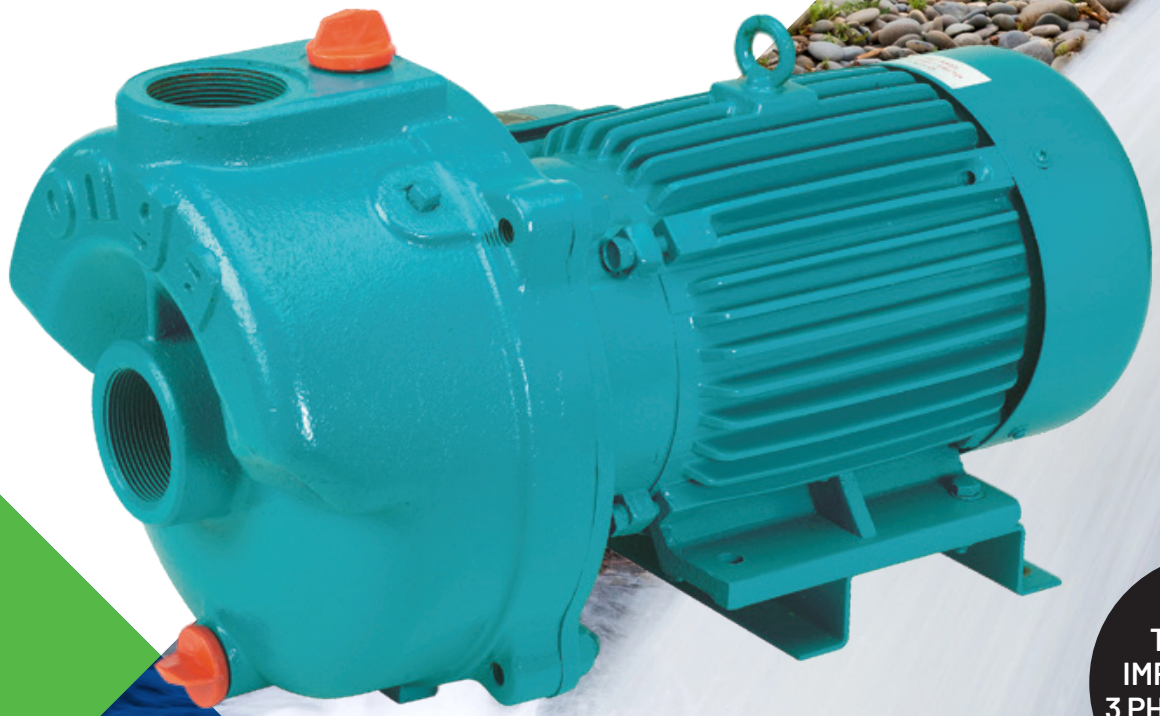
PENTAIR FLOTEC

18 SERIES

CAST IRON WATER TRANSFER PUMP

The Pump You Trust. Now Even Tougher.

Now equipped with a robust titanium impeller on 3 phase 184/185 models, the 18 Series is designed to deliver outstanding durability and efficiency in even the most challenging environments. Less wear, greater protection, and the dependable performance you've come to expect.



NEW TITANIUM IMPELLER ON 3 PHASE 184/185 MODELS

Built to Endure. Made to Perform.

- Greater durability
- Excellent corrosion resistance
- High strength to weight ratio
- Greater resistance to cavitation wear



KEY FEATURES

- Cast iron external construction for strength in the toughest conditions
- Durable moulded internal components
- Award-winning high flow impeller
- Extensive range to suit most applications
- Max head - 52m
- Max flow - 950lpm

PENTAIR FLOTEC

18 SERIES

CAST IRON WATER TRANSFER PUMP

The Onga Hi-Flo range includes a wide variety of pumps fabricated from cast iron for ultimate strength and durability. The 18 Series are available with flows from 400 litres per minute to over 1000 litres per minute. Perfect for high flow water transfer, tank filling and irrigation.

Applications:

- Domestic, industrial or rural water transfer pump.
- Typical uses include wash down, tank filling and general water transfer and circulation, Irrigation and garden watering.



PUMP INFORMATION

Horizontal, single-stage, surface mounted centrifugal pump with closed impeller for pumping debris free water coupled to a cool running Totally Enclosed Fan Cooled 2 pole motor.



New titanium impeller on 3 phase 184/185 models.

- Greater durability
- Excellent corrosion resistance
- High strength to weight ratio
- Greater resistance to cavitation wear

PUMP CONSTRUCTION MATERIALS

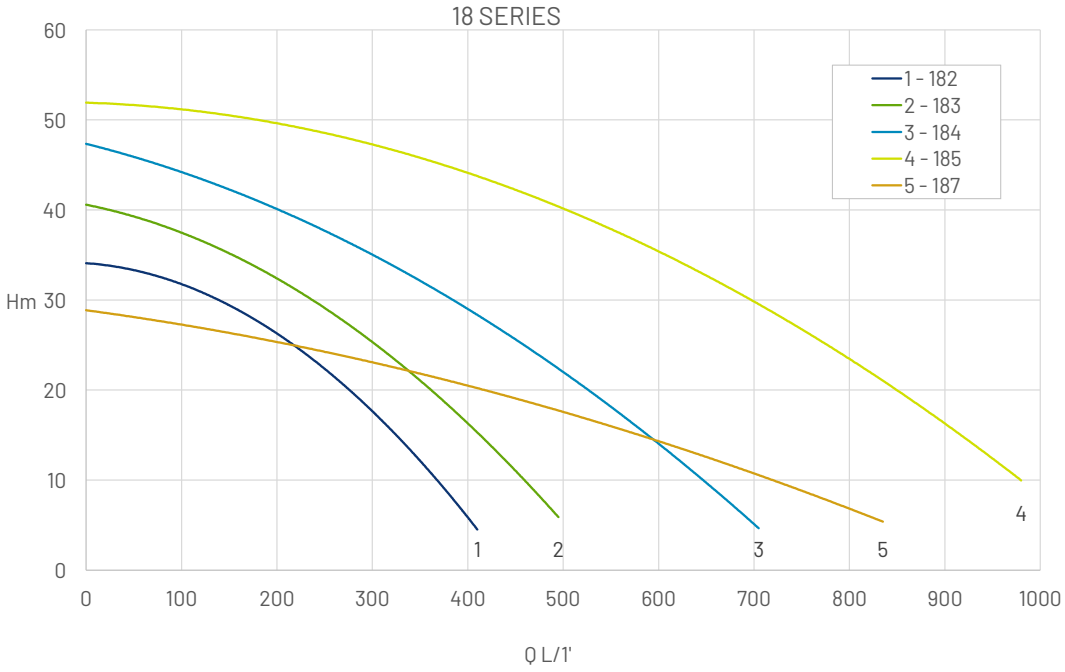
Pump casing	Cast iron
Baffle	20% Glass filled noryl
Priming cap	Acetyl
Impeller	182/183/187 = 20% Glass filled polycarbonate
	184/185 = 20% Glass filled ultem
	184/185 - 3 phase = Titanium
Diffuser	182/183/187 = 20% Glass filled noryl
	184/185 = 20% Glass filled ultem
Shaft sleeve	182 = Nylon
	183/184/187 = Stainless steel
	185 = Brass
Seal flexible bellows	Nitrile
Seal stationary face	Ceramic
Seal rotating face	Carbon
Seal spring	304 Stainless Steel
Motor shaft	Mild Steel
O'Rings	Nitrile

OPERATING CONDITIONS

Suitable for pumping clean non-aggressive liquids without solids or fibres in suspension.

Fluid	: Water
Max water temperature	: 70°C
Min water temperature	: 1°C
Max ambient temperature:	: 55°C
Max working pressure:	: 780kPa

PERFORMANCE CURVE



PERFORMANCE DATA

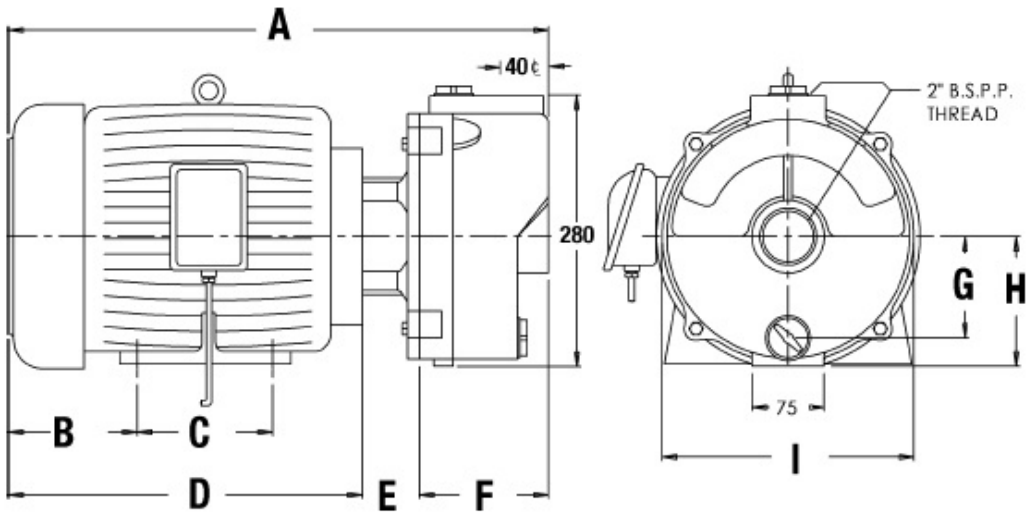
Type	Part No	Delivery Head (m)	10	15	20	25	30	35	40	45	50
182	318200 / 318230	Capacity L/min	360	307	253	195	104	-	-	-	-
183	318300 / 318330		425	380	340	283	212	121	-	-	-
184	318400 / 318430		618	554	496	433	356	268	153	14	-
185	318530		904	852	791	739	663	580	471	337	118
187	318700 / 318730		840	710	552	363	-	-	-	-	-

ELECTRICAL DATA

Part No.	Type	Current Phase	Voltage ± 10%	Frequency Hz	Motor rating kW P2	RPM min	Current Ampere	Locked Rotor Current Ampere	Motor protection	Insulation class	IP Rating
318200	182	1-Phase	230	50	1.5	2900	10.8 A	38.8 A	Auto	B	IP44
318230	182	3-Phase	400	50	1.5	2900	3.3 A	23.6 A	-	B	IP44
318300	183	1-Phase	230 / 460	50	2.4	2900	14 A / 7 A	60 A / 30 A	Manual	B	IP44
318330	183	3-Phase	400	50	2.4	2900	6:00 AM	48 A	-	B	IP44
318400	184	1-Phase	230 / 460	50	3.8	2900	20.6 / 10.3 A	107 A / 50.5 A	External	B	IP44
318430	184	3-Phase	400	50	3.8	2900	7.4 A	78 A	-	B	IP44
318530	185	3-Phase	400	50	6	2900	10.6 A	85 A	-	B	IP44
318700	187	1-Phase	230 / 460	50	2.4	2900	14 A / 7 A	60 A / 30 A	Manual	B	IP44
318730	187	3-Phase	400	50	2.4	2900	6:00 AM	48 A	-	B	IP44

PRODUCT INFORMATION

Part No.	Type	Dimensions L x W x H (mm)	Packed Dimensions (mm)	Packed Weight	Discharge	Impeller Material
318200	182/1	443 x 260 x 280	560 x 340 x 460	33kg	2" BSP (Female)	20% Filled Polycarb
318230	182/3	450 X 260 280	560 X 340 X 460	40kg	2" BSP (Female)	20% Filled Polycarb
318300	183/1	495 X 260 280	680 X 470 X 460	66kg	2" BSP (Female)	20% Filled Polycarb
318330	183/3	495 X 260 280	680 X 470 X 460	63kg	2" BSP (Female)	20% Filled Polycarb
318400	184/1	485 X 260 280	680 X 470 X 460	58kg	2" BSP (Female)	20% Filled Ultem
318430	184/3	485 X 260 280	680 X 470 X 460	64kg	2" BSP (Female)	Titanium
318530	185/3	560 X 260 280	680 X 470 X 460	90kg	2" BSP (Female)	Titanium
318700	187/1	495 X 260 280	680 X 470 X 460	67kg	2" BSP (Female)	20% Filled Polycarb
318730	187/3	495 X 260 280	680 X 470 X 460	63KG	2" BSP (Female)	20% Filled Polycarb



DIMENSIONS

Part No.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
318200	182/1	443	157	-	250	59	133	115	140	260
318230	182/3	450	146	-	257	59	133	115	140	260
318300	183/1	495	64	136	303	59	133	115	140	260
318330	183/3	495	64	136	303	59	133	115	140	260
318400	184/1	-	-	-	-	-	-	-	-	-
318430	184/3	485	70	135	292	59	133	115	140	260
318530	185/3	560	133	140	367	59	133	115	140	260
318700	187/1	495	64	136	303	59	133	115	140	260
318730	187/3	495	64	136	303	59	133	115	140	260

PENTAIR

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