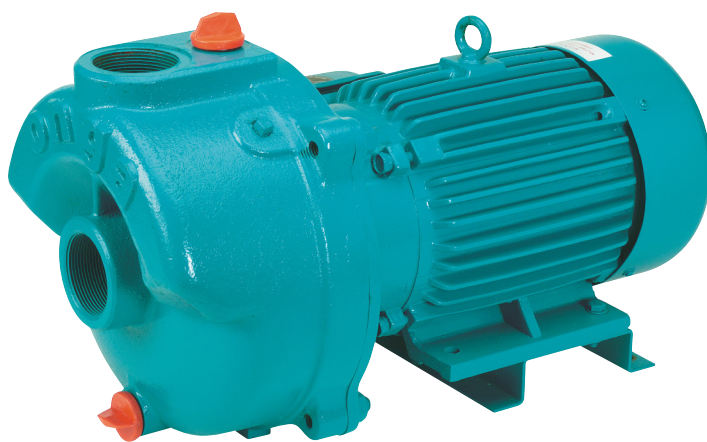


18 SERIES

CAST IRON CENTRIFUGAL WATER TRANSFER PUMP



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.



APPLICATIONS

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

PUMP INFORMATION

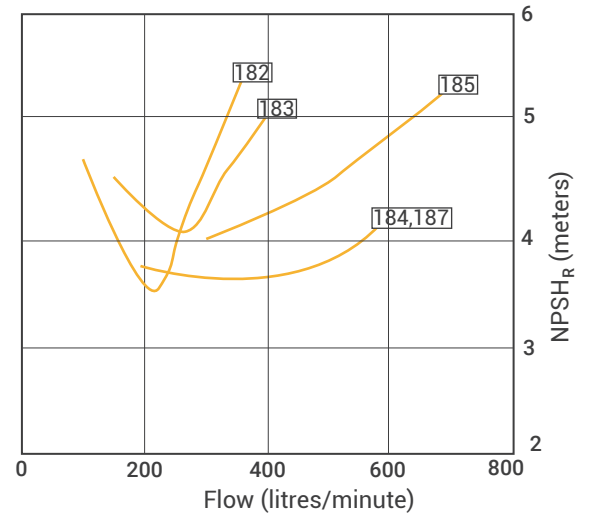
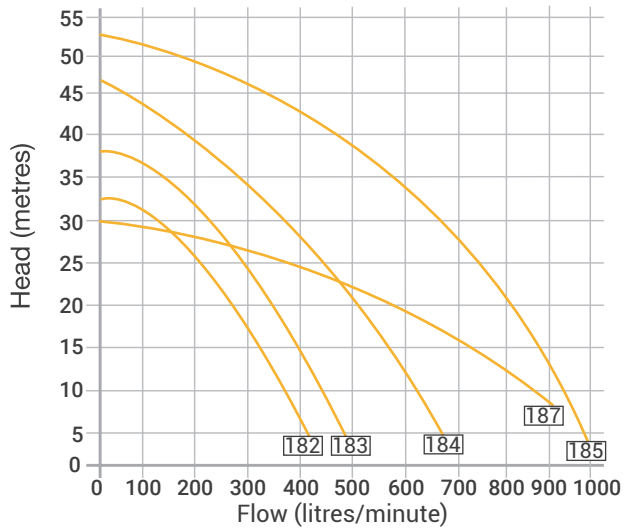
Horizontal, single-stage, surface mounted centrifugal pump with closed impeller for pumping debris free water coupled to a cool running Totally Enclosed Fan Cooled 2 pole motor.

OPERATING CONDITIONS

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

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

PERFORMANCE CURVE NPSHR



PERFORMANCE

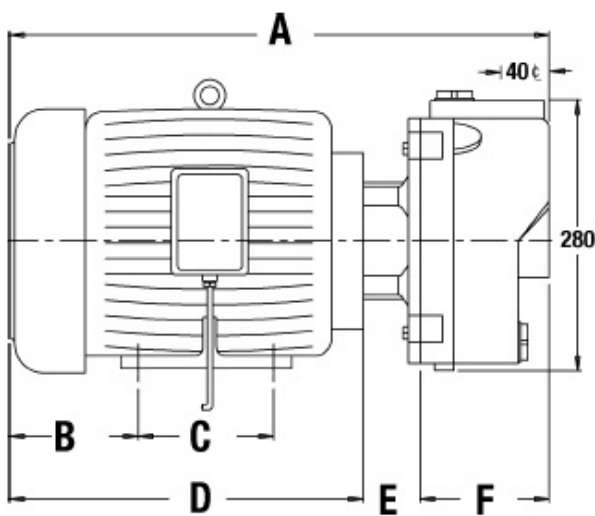
Type	P/No	Delivery head [m]	10	15	20	25	30	35	40	45	50
182	318200 / 318230	Capacity [litres per minute]	360	307	253	195	104	-	-	-	-
183	318300 / 318330		425	380	340	283	212	121	-	-	-
184	318400 / 318430		618	554	496	433	356	268	153	14	-
185	318530		904	852	791	739	663	580	471	337	118
187	318700 / 318730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

ELECTRICAL DATA

Type	Type of current	Voltage	Frequency Hz	Motor rating kW P2	RPM	Current ampere	Locked rotor current	Motor protection	Insulation class	IP rating
182	1 - phase	230	50	1.5	2900	10.8 A	38.8 A	Auto	B	IP44
182	3 - phase	400	50	1.5	2900	3.3 A	23.6 A	-	B	IP44
183	1 - phase	230/460	50	2.4	2900	14 A / 7 A	60 A / 30 A	Manual	B	IP44
183	3 - phase	400	50	2.4	2900	6 A	48 A	-	B	IP44
184	1 - phase	230/460	50	3.8	2900	10.5 A / 20.6 A	50.5 A / 107 A	External	B	IP44
184	3 - phase	400	50	3.8	2900	7.4 A	78 A	-	B	IP44
185	3 - phase	400	50	6.0	2900	10.6 A	85 A	-	B	IP44
187	1 - phase	230/460	50	2.4	2900	14 A / 7 A	60 A / 30 A	Manual	B	IP44
187	3 - phase	400	50	2.4	2900	6 A	48 A	-	B	IP44

DIMENSIONS

Type	Maximum L x W x H	Weight approx.	Inlet	Pump outlet	Carton L x W x H	Packed weight
182/1	443 x 260 280 mm	32kg	2" BSP (female)	2" BSP (female)	560 x 340 x 460 mm	33kg
182/3	450 x 260 280 mm	39kg	2" BSP (female)	2" BSP (female)	560 x 340 x 460 mm	40kg
183/1	495 x 260 280 mm	49kg	2" BSP (female)	2" BSP (female)	680 x 470 x 460 mm	66kg
183/3	495 x 260 280 mm	46kg	2" BSP (female)	2" BSP (female)	680 x 470 x 460 mm	63kg
184/1	-	-kg	2" BSP (female)	2" BSP (female)	680 x 470 x 460 mm	58kg
184/3	485 x 260 280 mm	47kg	2" BSP (female)	2" BSP (female)	680 x 470 x 460 mm	64kg
185/3	560 x 260 280 mm	73kg	2" BSP (female)	2" BSP (female)	680 x 470 x 460 mm	90kg
187/1	495 x 260 280 mm	49kg	2" BSP (female)	2" BSP (female)	680 x 470 x 460 mm	67kg
187/3	495 x 260 280mm	46kg	2" BSP (female)	2" BSP (female)	680 x 470 x 460 mm	63kg



Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
182/1	443	157	-	250	59	133	115	140	260
182/3	450	146	-	257	59	133	115	140	260
183/1	495	64	136	303	59	133	115	140	260
183/3	495	64	136	303	59	133	115	140	260
184/1	-	-	-	-	-	-	-	-	-
184/3	485	70	135	292	59	133	115	140	260
185/3	560	133	140	367	59	133	115	140	260
187/1	495	64	136	303	59	133	115	140	260
187/3	495	64	136	303	59	133	115	140	260

PUMP CONSTRUCTION MATERIALS

Component	Material
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
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

