

OJ700

ONGA JET FARMMASTER PUMP

JET ASSISTED PRESSURE PUMP


OJ700

APPLICATIONS

- Domestic, industrial or rural pressure pump for use as a manual or an automatic pressure system.
- Stock watering, irrigation and water transfer.
- Option of a large range of water sources including tanks, bores, dams, creeks and rivers thanks to various injector combinations.

PUMP INFORMATION

Horizontal, single-stage, surface mounted centrifugal pump. Jet and venturi assisted performance with closed impeller for pumping debris free water. Cast iron injector housing and pump casing with 1½" BSP (female) inlet and 1" BSP (female) outlet.

FEATURES

Injectors to suit large range of applications.

Offset combinations available.

No moving parts down bore.

Shallow well lifts to 7.6m.

Deep well lifts to 40m.

Manual or automatic system.

Max. head - 77m.

Max. flow - 162lpm.

OPERATING CONDITIONS

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

Fluid: Water.
Maximum water temperature: 55°C.
Minimum water temperature: 1°C.
Maximum ambient temperature: 40°C.

SCOPE OF SUPPLY

OJ700 pump and motor.
Pressure switch fitted.
Pressure gauge.

ELECTRICAL DATA

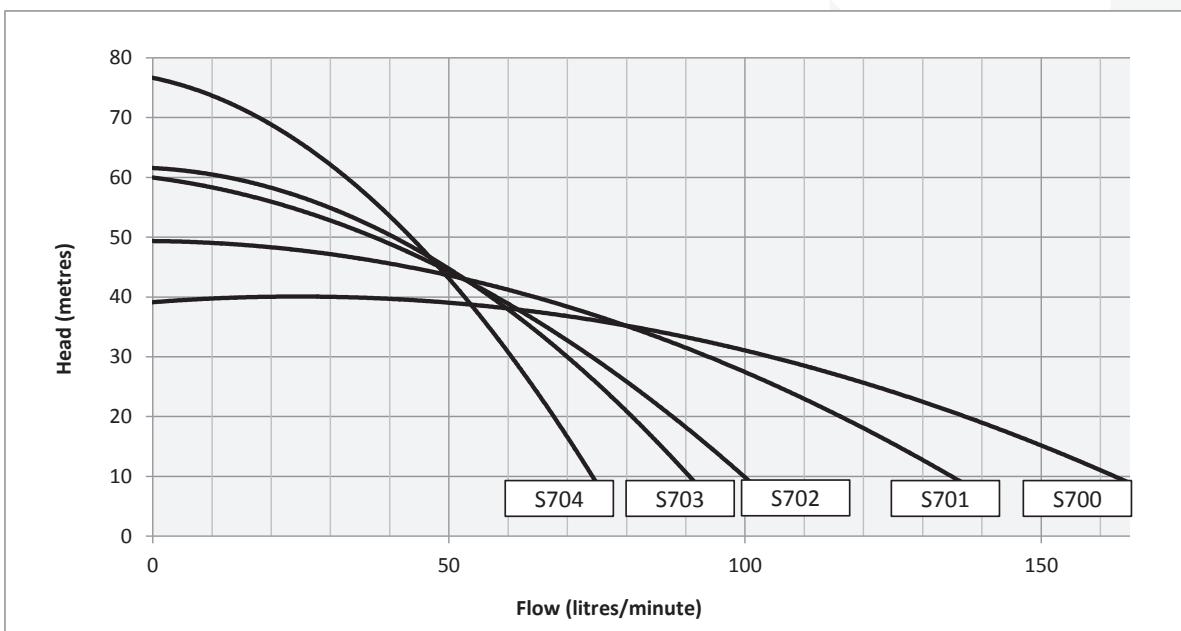
Type	Type of current	Voltage ± 10%	Frequency Hz	Motor rating kW		Nominal RPM	Current Ampere	Locked rotor current	Motor protection	Insulation class	IP rating
				P1	P2						
OJ700	1-phase	230	50	2	1.5	2900	8.5 A	42 A	Auto	B	44
OJ700	3-phase	400	50	2	1.5	2900	3.6 A	27 A	-	B	44

PERFORMANCE

Type	Injector model	Pressure switch setting (kPa)	Suction depth (m)	Total head in metres										Maximum pump pressure (kPa)
				15	21	27	34	40	46	52	58	64	70	
				Capacity (litres per minute)										
OJ700	S700	210-350#	0 3 6 7.6	162	159	138	80	27						430
				130	127	110	64							400
				92	91	79	46							370
				65	64	55	32							355
	S701	280-455*	0 3 6 7.6			114	94	61	31					540
						91	75	49	25					510
						65	54	35	18					480
						46	38	24	12					465
	S702	350-560*	0 3 6 7.6				85	66	42	24				635
							68	53	34	19				605
							48	38	24	14				575
							34	26	17	10				560
	S703	420-630*+	0 3 6 7.6					69	50	35	22			690
								55	40	28	18			660
								39	29	20	13			630
								28	20	14	9			615
	S704	490-700*+	0 3 6 7.6					56	51	39	28	18	11	800
								45	41	31	22	14	9	770
								32	29	22	16	10		740
								22	20	16	11	7		725

#Factory pressure switch setting. *Pressure switch adjustment needed. +700248 pressure switch required.

PERFORMANCE CURVE

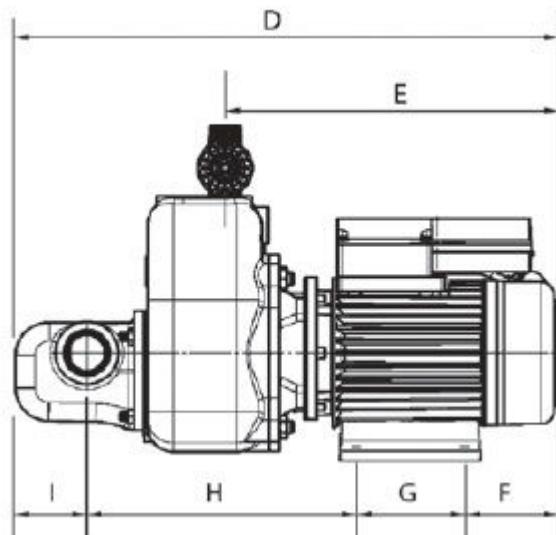
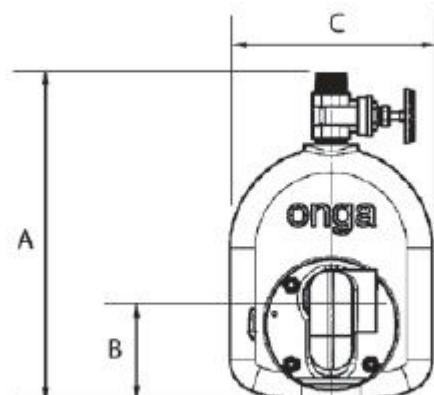


PUMP CONSTRUCTION MATERIALS

Component	Material
Pump casing	Cast iron
Casing spigot	-
Baffle	Noryl
Priming/drain plug	Acetal
Impeller	20% Glass Filled Polycarbonate
Diffuser	Noryl
Shaft sleeve	Stainless Steel
Seal flexible bellows	Elastomer EPDM
Seal stationary face	Ceramic
Seal rotating face	Resin Impregnated Carbon Graphite
Seal spring	304 Stainless Steel
Motor shaft	Mild Steel
O'Rings	Nitrile

DIMENSIONS

Type	Weight approx.	Inlet	Pump outlet	Pressure kit outlet	Carton L x W x H	Packed weight
OJ700/1	37 kg	1½" BSP (female)	1" BSP (female)	1" BSP (female)	560 x 350 x 460 mm	38 kg
OJ700/3	41 kg	1½" BSP (female)	1" BSP (female)	1" BSP (female)	560 x 350 x 460 mm	42 kg



Type	A	B	C	D	E	F	G	H	I
OJ700/1	350	110	220	575	365	110	N/A	285	80
OJ700/3	350	110	220	590	380	125	100	285	80



Head Office Pentair AU/NZ: 1-21 Monash Drive, Dandenong South, VIC 3175 , Australia. www.pentair.com.au

All Pentair trademarks and logos are owned by Pentair, Ltd. All other brand or product names are trademarks or registered marks of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

Pentair is an equal opportunity employer.

ABN 27 004 856 204 © 2012 Pentair, Ltd. All Rights Reserved.

© 2015 Pentair