



Self-priming Jet Pumps STJC

Because of a built-in ejector STJC self-priming jet pumps are suitable for sucking water from wells and tanks up to a depth of 8-9 meters. These pumps are used mainly for domestic pressurization or for small irrigation plants. At the end of assembly each pump is hydraulically and electrically tested in accordance with ISO 9000 quality requirements.

CONSTRUCTION FEATURES

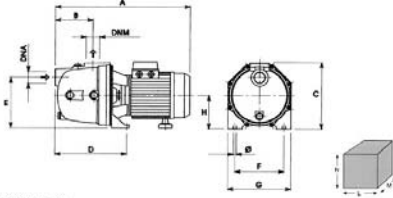
- Pump casing: cast iron
- Motor bearing: aluminium up to 1 HP, cast iron over 1 HP
- Impeller: noryl GFN2
- Diffuser: noryl GFN2
- Venturi tube: noryl GFN2
- Shaft: stainless steel
- Mechanical seal: carbon-ceramic
- Motor: Closed ventilated external, protection IP 54
- Single-phase version equipped with built-in thermal protector and permanently connected capacitor
- Three-phase version not equipped with protector; we suggest user to install a protection device
- Insulation: class F
- 2-pole induction motor, 50 Hz (n=2900 1/min)
- Continuous working

OPERATING CONDITIONS

- Clean liquids or slightly dirty water
- Liquid temperature: up to 45° C
- Ambient temperature: up to 40° C
- Total suction lift up to 9 meters
- Maximum permissible working pressure: 6 Bar up to 1.2 HP
- 8 Bar over 1.2 HP

SPECIAL FEATURES ON REQUEST

- Special voltages
- Frequency 60 Hz
- Protection IP 55
- Special mechanical seal



STJC 60-80-100

TABELLA DI INGOMBRO E PESI TABLE OF SIZES AND WEIGHTS

Dimensioni mm / Dimensions mm

TIPO TYPE	kW	HP	A	B	C	D	E	F	G	fl	H	DNA	DNM	Imballo Packing			Peso Weight kg
														N	L	M	
STJC 60	0,45	0,6	369	108	192	205	149	140	180	9	97	1" G	1" G	250	205	410	11,5
STJC 80	0,6	0,8	369	108	192	205	149	140	180	9	97	1" G	1" G	250	205	410	12
STJC 100	0,75	1	369	108	192	205	149	140	180	9	97	1" G	1" G	250	205	410	15

TABELLA DELLE PRESTAZIONI IDRAULICHE TABLE OF HYDRAULIC PERFORMANCES

TIPO - TYPE		P ₂ Nominale Nominal		Condensat. Capacitor		Corrente assorbita Input Current Amp.			Q Portata / Capacity								
Monofase Single-phase Volt 230 Hz 50	Trifase Three - phase Volt 400 Hz 50	kW	HP	F	Vc	1 230	3 230	400	m ³ /h	0	0,6	1,2	1,8	2,4	2,7	3,3	
									l/min	0	10	20	30	40	45	55	
									H Prevalenza manometrica totale / Total head								
STJC 60	STJC 60 T	0,45	0,6	12,5	450	3	2,1	1,2	m	39	32	25	18,5	15			
STJC 80	STJC 80 T	0,6	0,8	14	450	3,6	2,4	1,4		46	37,5	30	25	20	16		
STJC 100	STJC 100 T	0,75	1	18	450	5,4	3,46	2		55	47	40,5	35,5	32	30	25	