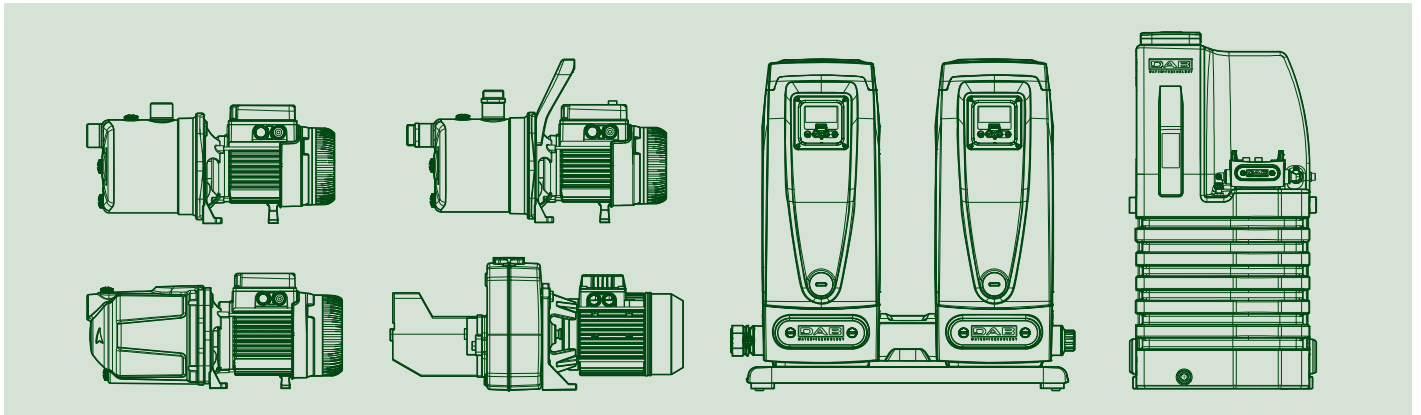


SELF-PRIMING MULTISTAGE CENTRIFUGAL PUMPS



**TECHNICAL
CATALOGUE**

JET 151-251-200-300

SELF-PRIMING CENTRIFUGAL PUMPS



JET 151-251



JET 200-300

TECHNICAL DATA

Operating range:

from 0.4 to 10.5 m³/h with head up to 62 metres

Liquid quality requirements: clean, free from solid or abrasive contaminants, non-viscous, non-aggressive, uncrystallised and chemically neutral, close to the properties of water

Liquid temperature range:

for domestic use: from 0°C to +35°C (EN 60335-2-41)

for other use: from 0°C to +40°C

Maximum ambient temperature: +40°C

Maximum operating pressure: 8 bar (800 kPa)

Installation: fixed in a horizontal position

Special executions on request: different frequencies and/or voltage

Motor protection rating: IP 44

Terminal block protection rating: IP 55

Insulation class: F

Standard input voltage: single phase 220/240 V / 50 Hz
three phase 230/400 V - 50 Hz

APPLICATIONS

Self priming centrifugal pump with excellent suction capacity even in the presence of air bubbles.

Suitable for pumping water with low levels of sandy impurities.

Especially used in domestic water supply installations.

Suitable for small farms and gardening, small scale industrial services and where self priming is necessary.

CONSTRUCTIONAL FEATURES OF THE PUMP

Cast-iron motor support and pump body.

Impeller, diffuser, venturi tube and sand guard in technopolymer

Twin impeller on the JET 151 and 251 versions.

Stainless steel wear ring.

Carbon/ceramic mechanical seal.

CONSTRUCTIONAL FEATURES OF THE MOTOR

Asynchronous type, closed, with external air cooling.

Rotor mounted on oversized greased-for-life ball bearings, to guarantee low noise and long life.

Incorporated thermo-amprometric protection and permanently inserted capacitor in the single phase version.

It is recommended to use overload protection for three phase motor protection, in compliance with current legislation.

Manufactured pursuant to CEI 2-3 and CEI 61-69 (EN 60335-2-41).

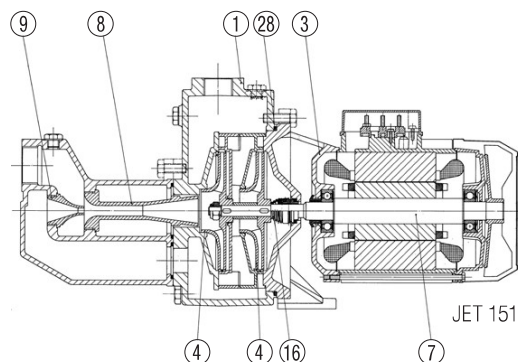
JET 151-251-200-300

SELF-PRIMING CENTRIFUGAL PUMPS

MATERIALS

N°	PARTS*	MATERIALS
1	PUMP BODY	GJL 200 UNI EN 1561 CAST IRON
3	FRAME	GJL 200 UNI EN 1561 CAST IRON
4	IMPELLER	PPO-GF 20 (NorylTM)
7	SHAFT WITH ROTOR	AISI 303 STAINLESS STEEL X8CrNiS18-9 UNI EN 10088 (UNI 6900: 71)
8-9	VENTURI DIFFUSER NOZZLE GROUP	PPO-GF 20 (NorylTM)
16	MECHANICAL SEAL	CARBON/CERAMIC
28	OR GASKET	NBR RUBBER

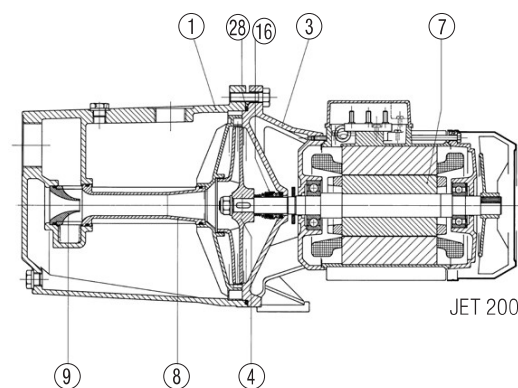
* In contact with liquid



MATERIALS

N°	PARTS*	MATERIALS
1	PUMP BODY	GJL 200 UNI EN 1561 CAST IRON
3	FRAME	GJL 200 UNI EN 1561 CAST IRON
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8-9	VENTURI DIFFUSER NOZZLE GROUP	PPO-GF 20 (NorylTM)
16	MECHANICAL SEAL	CARBON/CERAMIC
28	OR GASKET	NBR RUBBER

* In contact with liquid



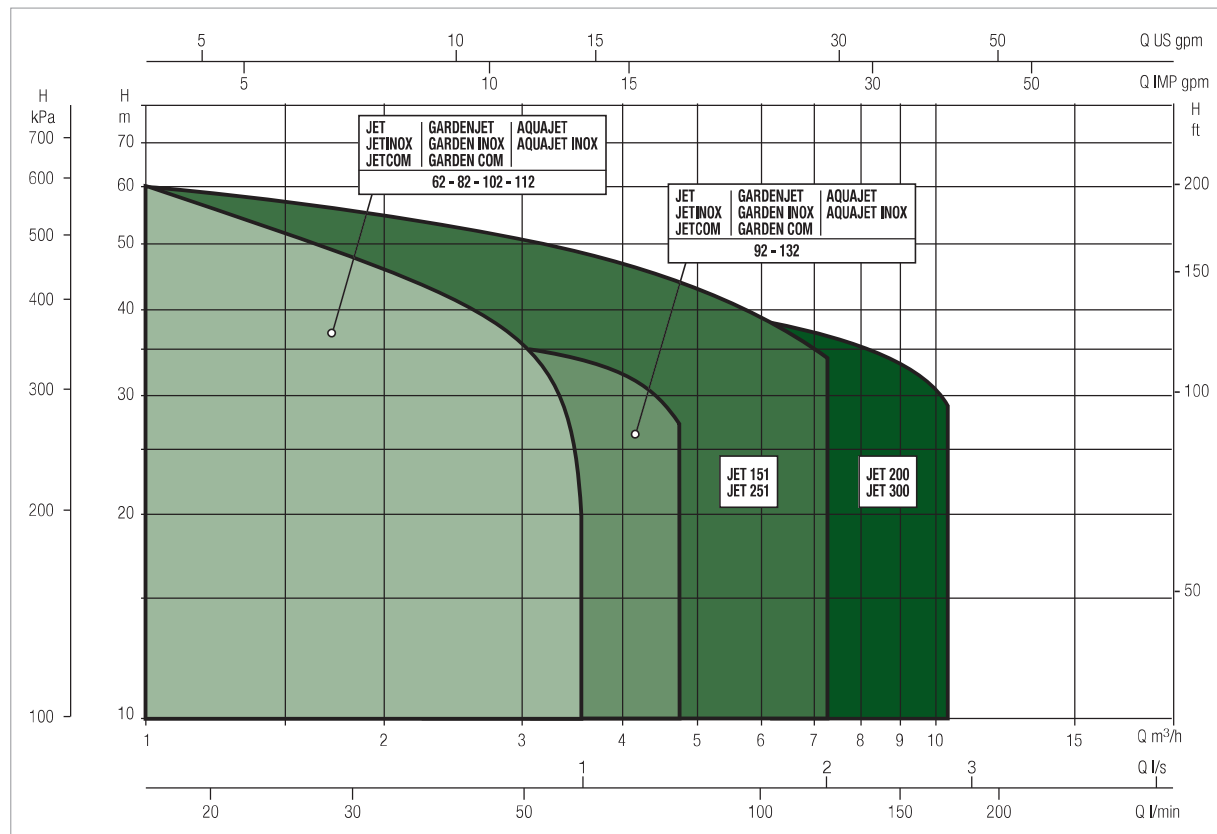
JET 151-251-200-300

SELF-PRIMING CENTRIFUGAL PUMPS

PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Curve tolerance according to ISO 9906.

GRAPHIC SELECTION TABLE

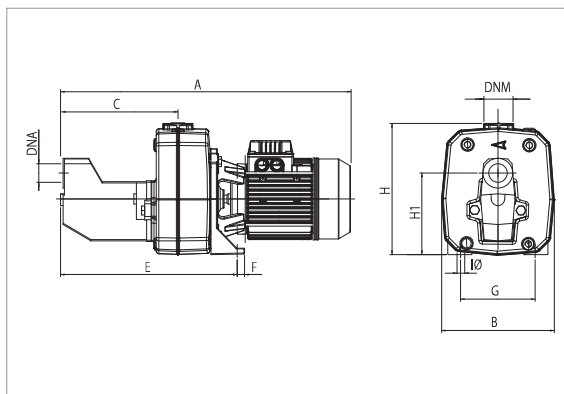


SELECTION TABLE - JET 151-251-200-300

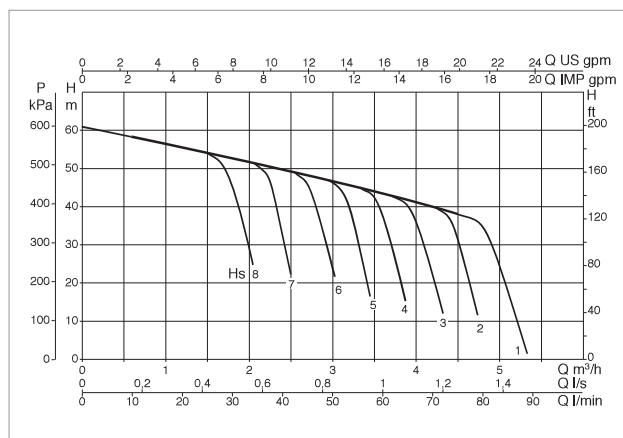
MODEL	Q=m³/h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	6	7,2	9	9,6	10,5
	Q=l/min	0	10	20	30	40	50	60	70	80	100	120	150	160	175
JET 151 M	H (m)	61	58,2	56	53	50	46	43	36						
JET 151 T		61	58,2	56	53	50	46	43	36						
JET 200 M		41			37,5	36,5	35,2	34	33	31,8	29,5	27,2	24	22,8	21,3
JET 200 T		41			37,5	36,5	35,2	34	33	31,8	29,5	27,2	24	22,8	21,3
JET 251 M		62	60	58	56	54	51	48,5	46	43,5	39	34,2			
JET 251 T		62	60	58	56	54	51	48,5	46	43,5	39	34,2			
JET 300 M		51			48	47	46	44,5	43	42	40	37	33	32	29
JET 300 T		51			48	47	46	44,5	43	42	40	37	33	32	29

JET 151 - SELF-PRIMING CENTRIFUGAL PUMPS

Liquid temperature range pumped: from 0 °C to +35 °C - Maximum ambient temperature: +40°C



The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Curve tolerance according to ISO 9906.

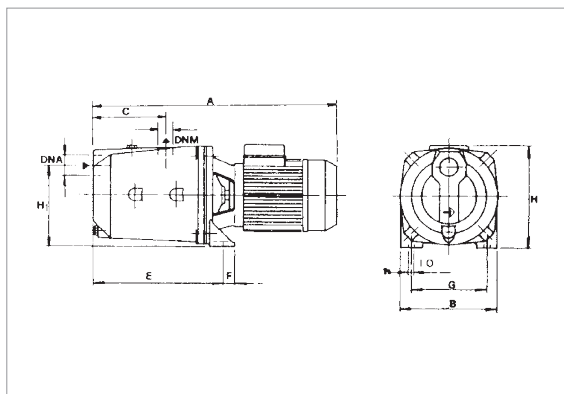


MODEL	POWER SUPPLY 50 Hz	MOTOR TYPE	P1 MAX kW	ELECTRICAL DATA		In A	CAPACITOR	
				P2 NOMINAL kW	HP		μF	Vc
JET 151 M	1 x 220 - 240 V ~		1,6	1,1	1,5	7,2	31,5	450
JET 151 T	3 x 230 - 400 V ~	E3	1,56	1,1	1,5	5,5-3,2	-	-
JET 151 T	3 x 230 - 400 V ~	E2	1,6	1,1	1,5	5,2-3	-	-

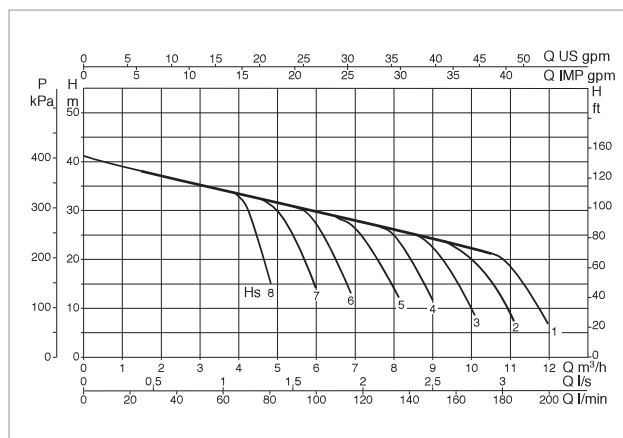
MODEL	A	A1	B	C	E	F	G	H	H1	H2	H3	I Ø	DNA	DNM	PACKING DIMENSIONS			VOLUME (mc)	GROSS WEIGHT Kg
															L/A	L/B	H		
JET 151 M - T	558	-	210	221	350	20	145	255	158	-	-	11	1 1/4"	1"	612	248	279	0,042	31

JET 200 - SELF-PRIMING CENTRIFUGAL PUMPS

Liquid temperature range pumped: from 0 °C to +35 °C - Maximum ambient temperature: +40°C



The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Curve tolerance according to ISO 9906.

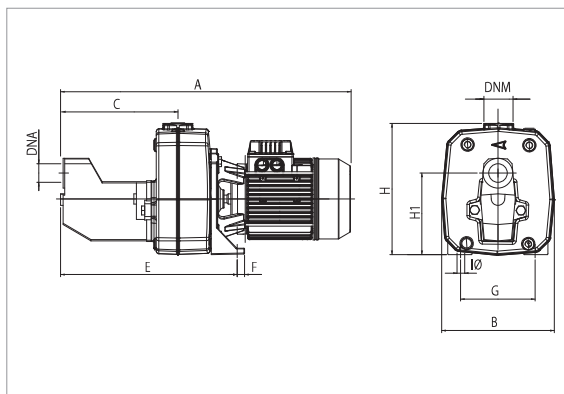


MODEL	POWER SUPPLY 50 Hz	MOTOR TYPE	P1 MAX kW	ELECTRICAL DATA		In A	CAPACITOR	
				P2 NOMINAL kW	HP		μF	Vc
JET 200 M	1 x 220 - 240 V ~		2	1,5	2	9	31,5	450
JET 200 T	3 x 230 - 400 V ~	E3	2,1	1,5	2	6,4-3,7	-	-
JET 200 T	3 x 230 - 400 V ~	E2	2	1,5	2	6,8-3,9	-	-

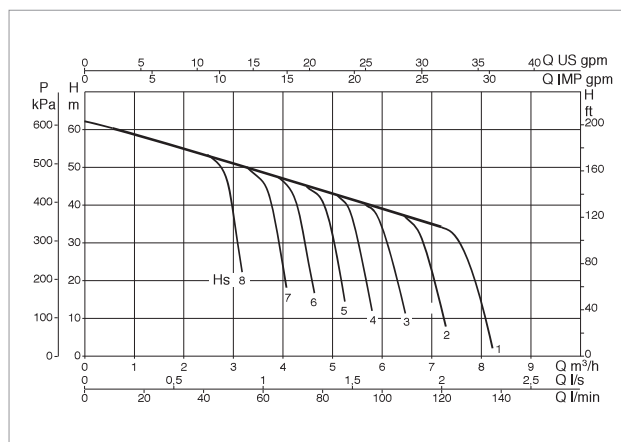
MODEL	A	A1	B	C	E	F	G	H	H1	H2	H3	I Ø	DNA	DNM	PACKING DIMENSIONS			VOLUME (mc)	GROSS WEIGHT Kg
															L/A	L/B	H		
JET 200 M	521	-	214	151	282	20	160	227	175	-	-	11	1 1/2"	1 1/4"	612	248	279	0,042	27,1
JET 200 T	521	-	214	151	282	20	160	227	175	-	-	11	1 1/2"	1 1/4"	612	248	279	0,042	27,6

JET 251 - SELF-PRIMING CENTRIFUGAL PUMPS

Liquid temperature range pumped: from 0 °C to +35 °C - Maximum ambient temperature: +40°C



The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Curve tolerance according to ISO 9906.

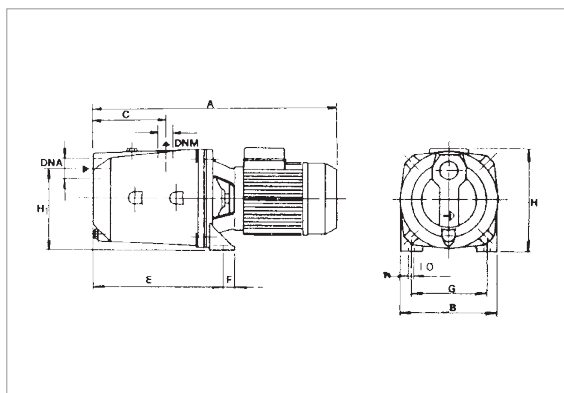


MODEL	ELECTRICAL DATA							
	POWER SUPPLY 50 Hz	MOTOR TYPE	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		μF	Vc
JET 251 M	1 x 220 - 240 V ~		2,2	1,85	2,5	10	40	450
JET 251 T	3 x 230 - 400 V ~	E3	2,1	1,85	2,5	6,4-3,7	-	-
JET 251 T	3 x 230 - 400 V ~	E2	2,2	1,85	2,5	6,9-4	-	-

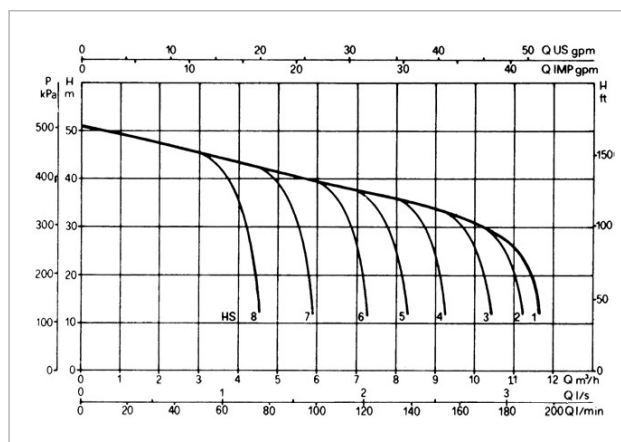
MODEL	A	A1	B	C	E	F	G	H	H1	H2	H3	I Ø	DNA	DNM	PACKING DIMENSIONS			VOLUME (mc)	GROSS WEIGHT Kg
															L/A	L/B	H		
JET 251 M	632	-	210	221	350	20	145	255	158	-	-	11	1 1/4"	1"	657	248	279	0,045	35
JET 251 T	558	-	210	221	350	20	145	255	158	-	-	11	1 1/4"	1"	612	248	279	0,042	30,8

JET 300 - SELF-PRIMING CENTRIFUGAL PUMPS

Liquid temperature range pumped: from 0 °C to +35 °C - Maximum ambient temperature: +40°C



The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Curve tolerance according to ISO 9906.



MODEL	ELECTRICAL DATA							
	POWER SUPPLY 50 Hz	MOTOR TYPE	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		μF	Vc
JET 300 M	1 x 220 - 240 V ~		2,7	2,2	3	12	40	450
JET 300 T	3 x 230 - 400 V ~	E3	2,5	2,2	3	7,4-4,3	-	-
JET 300 T	3 x 230 - 400 V ~	E2	2,2	2,2	3	8,5-4,9	-	-

MODEL	A	A1	B	C	E	F	G	H	H1	H2	H3	I Ø	DNA	DNM	PACKING DIMENSIONS			VOLUME (mc)	GROSS WEIGHT Kg
															L/A	L/B	H		
JET 300 M	521	-	214	151	282	20	160	235	175	-	-	11	1 1/2"	1 1/4"	612	248	279	0,045	31,5
JET 300 T	595	-	214	151	282	20	160	227	175	-	-	11	1 1/2"	1 1/4"	657	248	279	0,042	19
JET 300 T	595	-	214	151	282	20	160	227	175	-	-	11	1 1/2"	1 1/4"	657	248	279	0,042	27



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