

Shallow well jet self-priming electric pumps with cast iron pump body.
With impeller, ejector and diffuser in Noryl® .
The built-in ejector allows for self-priming to depths of 8 metres, once the pump body has been primed.
Can draw up water in spite of presence of water-dissolved gases, air, or small quantities of sand.

Applications:

For pressure boosting in residential, garden, vegetable washing, stock watering, industrial processing applications.

Suitable for pumping of all fluids which are compatible with the materials in contact with the liquid.



MATERIALS OF PARTS IN CONTACT WITH THE PUMPED LIQUID

Pump body: cast iron

Built-in ejector and diffuser: Noryl®

Mechanical seal disc holder: stainless steel

Impeller: Noryl®

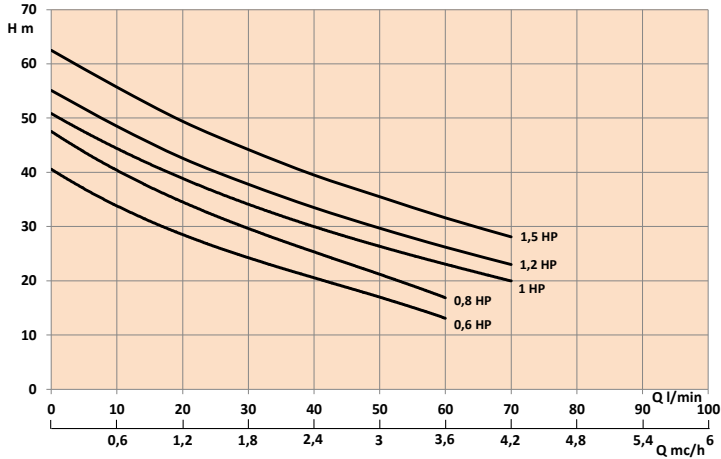
Shaft: stainless steel

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**Jetdom™ range- VALCO BRAND SHALLOW WELL JET SELF PRIMING
ELECTRIC PUMPS IN CAST IRON**

Pump and motor construction data
with limits of use and operating conditions

| Types | | HP | kW | No of impellers | Q= Performance at 2900 rpm | | | | | | | | | | | | DNa | DNm | In (A) at 1 PH 230V | In (A) at 3 PH 400V | | | |
|----------------|--------------------|-----|------|-----------------|----------------------------|------|------|------|------|------|------|------|-----|--|--|--|-----|-----|---------------------|---------------------|------|-----|-----|
| 1 PH 230V 50Hz | 3 PH 230-400V 50Hz | | | | m ³ /h | 0 | 0,6 | 1,2 | 1,8 | 2,4 | 3 | 3,6 | 4,2 | | | | | | | | | | |
| 132J | 132JT | 0,6 | 0,45 | 1 | 40,5 | 34,0 | 28,5 | 24,1 | 20,5 | 17,2 | 13,0 | | | | | | | | | G 1" | G 1" | 3,1 | 1,3 |
| 142J | 142JT | 0,8 | 0,6 | 1 | 47,5 | 40,5 | 34,5 | 29,6 | 25,2 | 21,4 | 16,8 | | | | | | | | | G 1" | G 1" | 3,6 | 1,4 |
| 152J | 152JT | 1 | 0,75 | 1 | 50,9 | 44,3 | 38,9 | 34,1 | 30,1 | 26,3 | 23,0 | 20,0 | | | | | | | | G 1" | G 1" | 4,7 | 1,7 |
| 154J | 154JT | 1,2 | 0,9 | 1 | 55,1 | 48,5 | 42,6 | 37,8 | 33,5 | 29,7 | 26,2 | 23,0 | | | | | | | | G 1" | G 1" | 5,2 | 1,9 |
| 154JB | 154JBT | 1,5 | 1,1 | 1 | 62,5 | 55,7 | 49,4 | 44,2 | 39,5 | 35,5 | 31,6 | 28,1 | | | | | | | | G 1" | G 1" | 6 | 2,5 |



• Reduction in speed will result in a fall of performance. • DO NOT RUN PUMP DRY! • Tolerances according to ISO 9906 Grade 3B.

OPERATING CONDITIONS (LIMITS OF USE)

| | |
|--|---|
| Maximum temperature of pumped liquid °C | 0 +50 |
| Maximum working pressure (maximum permissible/allowed pressure in the pump casing) kPa / bar | 600 / 6 up to 0,8 HP included, 700 / 7 from 1 HP and above |
| Maximum ambient temperature °C | 40 |
| Type of pumped liquid | Neutral clean water and fluid chemically and mechanically non-corrosive, non-aggressive, non-abrasive, non-explosive. |
| Density of pumped liquid with γ =water specific gravity kg/dm ³ | 1 |
| Presence of solids in suspension | NO |

CONSTRUCTION MATERIALS

| | |
|------------------------|--|
| Pump body | Cast iron |
| Pump bracket | Aluminium* (cast iron on request) |
| Impeller/s | Noryl® |
| Diffuser/s (wear ring) | Noryl® |
| Shaft (pump side) | Stainless steel DIN/EN 1.4005 (AISI 416) |
| Mechanical seal | Ceramic, carbon-graphite |
| Motor casing | Aluminium |

*Mechanical seal disc holder in stainless steel DIN/EN 1.4301 (AISI 304)

MOTOR

| | |
|--|--|
| Asynchronous Electric motor | |
| Number of poles | 2 |
| Insulation class | F |
| Degree of protection IP | 44 |
| Service | Continuous duty |
| Built in thermal protection for 1 phase | Yes |
| Maximum tolerance (fluctuation) from the nominal voltage | ±6% |
| Starts per hour max | 30 (15 for star-delta starting or reactance) |

3phase: the overload motor protection must be provided by the user (we recommend the use of a control box)

| Types | | DIMENSIONS in mm | | | | | | | | kg |
|----------------|--------------------|------------------|-----|-----|-----|-----|-----|-----|------|----|
| 1 PH 230V 50Hz | 3 PH 230-400V 50Hz | L | W | H | a | b | c | d | | |
| 132J | 132JT | 410 | 180 | 195 | 150 | 119 | 214 | 140 | 14 | |
| 142J | 142JT | 410 | 180 | 195 | 150 | 119 | 214 | 140 | 15 | |
| 152J | 152JT | 410 | 180 | 195 | 150 | 119 | 214 | 140 | 16 | |
| 154J | 154JT | 410 | 180 | 195 | 150 | 119 | 214 | 140 | 16,5 | |
| 154JB | 154JBT | 410 | 180 | 195 | 150 | 119 | 214 | 140 | 17,5 | |

Not in scale

