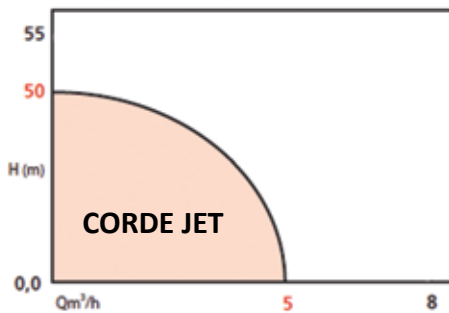


OPERATING LIMITS

Flow rates up to:	5m ³ h
Pressure head up to:	50 mCE
Max service pressure:	6 bar
Max water temp:	+ 35°C
Max ambient temp:	+ 40°C
DN of ports:	G1
Max suction height:	8m



ADVANTAGES

- 304 Stainless steel impeller and body
- Ready to pump, supplied with electric cable (1,5m) and plug
- Oversize motor (>100 000 cycles)
- Automatic self-priming up to 8m

CONTROLLER INFORMATION

Automation

When a tap is opened, the system pressure drops and the pump starts instantly at a preset 1,5 bar. Factory preset.

This level can be increased up to 3 bar on site according to the public water supply pressure (or HA - suction height, HC - flooded suction height). The pump continues to operate as long as there is a minimum flow rate in the system.

"Water hammer" prevention

When the tap is closed, the pump stops automatically after 3 or 5 seconds. This avoids the installation of a tank.

Dry running protection

The controller protects the pump against dry running by shutting off the motor and activating the "Alarm" light.

- Press "RESET" to restart pump. The use of the controller does not affect the pump characteristics: - Press the "RESET" button while priming, it will assure the self priming functionality.

The controller has re-start functionality so will attempt to re-start automatically.

CORDE JET

SELF PRIMING JET PUMP IN STAINLESS STEEL
2 versions: standard and automatic
50Hz

APPLICATIONS

- Distribution of clear water and rain water
- Small scale irrigation
- Sprinkling
- Pressure boosting
- Washing

STANDARD CONSTRUCTION

MAIN PARTS	MATERIALS
Housing	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Injector	Noryl GFN 20
Diffuser	Noryl GFN 20
Shaft	AISI 304 stainless steel
Mechanical seal	Graphite/ceramic
O-ring	NBR



Telephone: 011 609 4803
Fax: 011 609 9207
www.corde.co.za

DESIGN

• Hydraulic part

- Self priming jet pump with a venturi system
- Axial suction and vertical discharge
- Centrifugal
- Stainless steel impeller, shaft and casing (304 stainless steel)
- Waterproof between shaft and motor with mechanical seal

• Motor

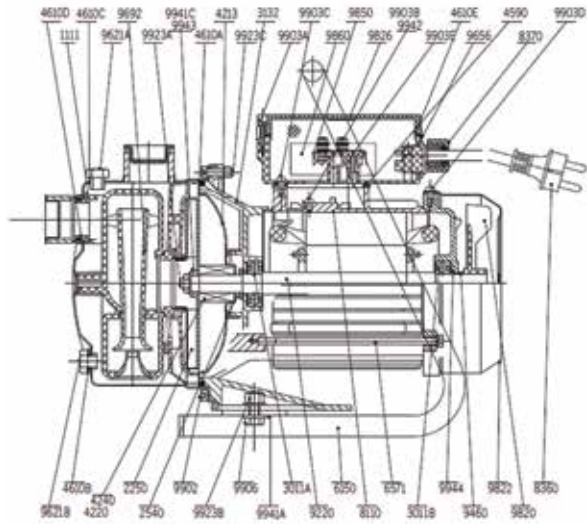
- Dry motor 2 pole - air ventilated
- Single phase : built-in thermal protection with automatic reset
- Integrated capacitor in the control box
- Rotation speed: **2900rpm**
- Winding 1-phase: **230V**
- 3-phase: **230-400V**
- Frequency: **50 Hz**
- Insulating category: **130 (B)**
- Protection index: **IP 44**
- EC Conformity: **NF EN 60335-2-41**
- Cable: **H07Rn-F (1.5m)**

PARTS LIST

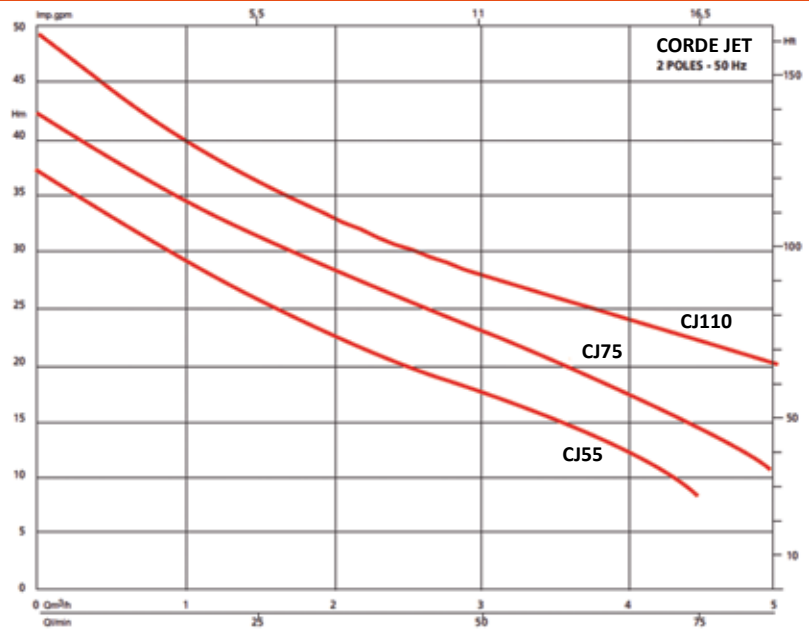
- 1111 - Pump body
- 2250 - Impeller
- 2540 - Deflector
- 3011A - Front ball bearing
- 3011B - Rear ball bearing
- 3132 - Bearing bracket lantern
- 4213 - Stationary ring
- 4220 - Rotary ring | Mechanical
- 4240 - Stationary ring | seal
- 4590 - Terminal box gasket
- 4610A - Ring body holder
- 4610B - O-ring under 9621B
- 4610C - O-ring under 9621A
- 4610D - O-ring body injector
- 4610E - O-ring top terminal box
- 6150 - Handle
- 6571 - Tie bolt
- 8110 - Motor casing with stator
- 8370 - Cable gland
- 9220 - Rotor shaft
- 9460 - Lip Ring
- 9621A - Filling plug
- 9621B - Drain plug
- 9692 - Injector
- 9820 - Fan
- 9822 - Fan cover
- 9826 - Terminal box
- 9850 - Terminal board
- 9860 - Capacitor
- 9902 - Body lantern fixing screw
- 9903A - Top terminal box fixing screw
- 9903B - Earth screw
- 9903C - Terminal fixing screw
- 9903D - Fan cover fixing screw
- 9903E - Terminal board fixing screw
- 9906 - Screw handle fixing
- 9923A - Impeller nut
- 9923B - Handle fixingnut
- 9923C - Body lantern fixing nut
- 9941A - Plain washer handle fixing
- 9941C - Plain washer impeller fixing
- 9942 - Serrated lock washer under 9903
- 9943 - Single coil spring lock washer
- 9944 - Curved spring washer

(*) Recommended replacement parts

SECTIONAL DRAWING



HYDRAULIC PERFORMANCES



FEATURES

Electrical

- Single-phase: 230 V - 50 Hz (M), with integral thermal protection, automatic resetting.
- Capacitor in the terminal box - Three-phase: 230-400 V - 50 Hz (T), motor protection essential through differential circuit breaker (standard version).

Installation

- Negative suction or pressurised installation, fixed or mobile
- Installation of CORDE JET under pressure only possible if the static pressure is ≤ 1.5 bar - Fixed installation: attached by 2 notches on the support spacer

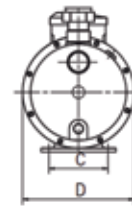
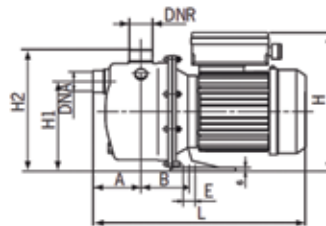
- Mobile : need a suction pipe for the suction height > 4m
- Connection by reinforced hose or by pipe.
- Strainer recommended (opening \varnothing 1mm) - Foot valve strainer recommended for pump in suction.

Packaging

- Ready to pump - Packed with plug (single-phase only)

Maintenance

- Repair: see recommended spare parts (*) subject to wear.



Type	A	B	C	D	E	F	H	H1	H2	L	DNA	DNR
CJ55	80	83	98	184	20	10	226	147,50	200	354	G1	G1
CJ75	80	83	98	184	20	10	226/203	147,50	200	354	G1	G1
CJ110	96,5	122	98	198	20	10	232/210	160	212	417	G1	G1

MOTOR							PUMP	
Type	Power	P2kW	single-phase	3-phase 230V	3-phase 400V	Capacitor	Mass	
CJ55	0,9	0,65	4	-	-	$\mu \times 450V$	kg	
CJ75	1,2	0,75	5,2	-	-	20	8,9	
CJ75T	1,2	0,75	-	3,3	1,9	-	9,3	
CJ110	1,3	1,1	6,2	-	-	30	11,2	
CJ110T	1,3	1,1	-	4,2	2,4	-	10,2	