

JET WASH

AVANT

MOD. 4CC6000



ISTOBAL

ORIGINAL MANUAL



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SAFETY

Safe practice and safety rules

To guarantee your safety, please cooperate with the company at all times and obey the safety rules detailed here to help ensure that accidents are avoided. (Article 29. Safety at Work Act). The following list of obligations shall be respected by all workers carrying out work whether directly employed by ISTOBAL or subcontracted.

- Please make proper use of the personal protection equipment provided.
- Follow the instructions of your superiors, and any indications given by the person responsible for the facility.
- Keep tools and personal and collective protection equipment in good order. If you observe any deterioration in them, advise your superior immediately.
- Keep the work site clean and tidy.
- Advise your superiors and colleagues of any danger or risk that you perceive on the facility. In case of serious and imminent risk, do as indicated above while also ceasing to perform any activity which may add to such risk.

Preventive measures

ISTOBAL, S.A. personnel and workers subcontracted by the company are to take into account the following preventive measures while carrying out work:

- Hand-held ladders are not permitted for performing jobs. For work where use of a scaffold is not physically possible or where its use would be an added risk, a platform step ladder is to be used.
- If a certified scaffold is used, follow the manufacturer's assembly instructions closely. Make sure it is in perfect condition before use. Do not place it near power lines. If the scaffold is moveable, put the brakes on all the wheels and use securing bars to stop it moving unexpectedly. Do not move the scaffold with workers on it. Do not leave tools or materials lying around on the scaffold.
- If a platform step ladder is used, it must only be used by duly trained and authorised personnel. Make sure that it is used in accordance with the instructions supplied with it.
- All waste generated is to be collected and removed from the work area as and when it is generated. The work area should be kept as clean as possible at all times.
- Make sure the work area is organised do not leave materials and tools lying around as these could cause accidents.
- When materials are being loaded and unloaded with winches / cranes; materials are being lifted; heavy parts are being mounted, etc., make sure there are no workers underneath. Check this before starting to move any-thing.

Conduct on site

- Station your vehicle in designated parking zones. Turn off the engine. Parking is not permitted in classified areas or where the vehicle would obstruct the passage of persons or vehicles.
- Inform the supervisor or person responsible for the facility of the presence of the vehicle and why it is there.
- Before starting work, put up signs and cordon off the areas where you will be setting up equipment such as winches, compressors, etc.
- After the work is completed, remove leftover waste from the work area, such as plastic, cardboard, wood, etc.
- Collect your tools and other equipment.
- Inform the Supervisor or person responsible for the facility that the work is completed and what the situation is now.





Protection equipment

Personal and collective protection equipment used should be appropriate to the task, certified with the **(€** mark, and display the corresponding inspection dates.

Personal protection equipment should give effective protection against the risks they are intended for. Such equipment should not constitute a risk in itself nor cause unnecessary inconvenience. The equipment should:

- Respond to the conditions existing in the workplace.
- Take into account the anatomy, physiology, and state of health of the operator.
- Fit the bearer properly after the pertinent adjustments.
- Where multiple risks are involved which require several types of personal protection equipment to be used together, they should be mutually compatible and maintain their level of efficiency in relation to the corresponding risk or risks.







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| Safety tape and cones To indicate and cordon off the work area. | | | | | | | |
|--|--|--|--|--|--|--|--|
| No entry sign . To prevent unauthorized access, and indicate the need for PPE to be worn. | INTERCIÓNI CIMA DE OBRAS CIMA DE O | | | | | | |
| Portable fire extinguisher. | | | | | | | |
| Fire blankets For work generating heat (welding, radial saws, etc.). | | | | | | | |



BUILDING SPECIFICATIONS

EXCAVATION WORK

Any vegetation will be cleared, and any elements or small infrastructures will be removed, should there be any.

The whole site will be cleared and the vegetation soil all over it will be removed.

Once the desired level has been reached, soil moisture and compaction will be checked.

FILLING WORK AND EMBANKMENT

'Esplanade' or 'embankment' is the finished excavated area where the paving layers (bed and slab) will be built.

The esplanade must be correctly compacted until it is totally even and homogeneous, which requires a number of roller operations.

• Minimum esplanade type E1 (5 < CBR < 10)

If the esplanade needs to be formed or if the features of the existing plot are not suitable, these can be either improved by means of stabilization, or replaced at an adequate depth by a bed with the right features.

| • | Materials to be used | Features: | | |
|---|----------------------|-----------|--|--|
| | | - | Minimum: Adequate ground (as per PPTG PG3) | |
| | | - | Stones with max. diameter below 10 cm [4"]. Sieved with sieve no. 200, 35% of weight. | |
| | | - | LL < 40 | |
| | | - | Maximum density, normal Proctor test, 1.75 kg/dm ³ [109.242 lbs/ft ³] CBR>5 | |
| | | - | Organic matter < 1% | |
| | | - | Soluble salts (including gypsum) < 0.2% | |

In the esplanade work and the subsequent bed, please bear in mind that the work to be done shall cover an additional 3.0 m [9'- 10"] band parallel to the boundaries of the rollover area so as to allow for drainage and for a transition between the facility level and that of the adjoining areas.

BED

Granular material layer between the esplanade and the slab, consisting of natural aggregates or aggregates derived from quarry stone grinding or natural gravel, or clay/marl-free selected soils.

To be compacted in a single layer (10 cm [4"] course minimum) until 97% PM is reached.

- Type Wet-mix macadam
- Thickness
 As per civil work plan

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- Granulometry
 Fractions going through the 0.08 sieve will be smaller
 than half the fractions sieved with the 0.40 sieve. Mea sured by weight.
 - Maximum aggregate size will be smaller than half the compacted layer.
 - The fraction retained by Sieve 5 should at least have 50% (weight) elements with two or more fracture surfaces.
 - Abrasion measured by Los Angeles test should be lower than A 30.
 - The material must be non-plastic and the sand-content equivalent must be over A 35.
 - CBR > 80 for 100% compaction, Modified Proctor Test
 - Compacted density
 Over 100% of maximum density. Modified Proctor Test density, even in singular project areas (edges, meeting points, elements).

REINFORCED CONCRETE SLAB

Expansion joints

| • | Thickness | - | As per civil work | < plan | | | | |
|---|---------------|---|-------------------------------|--------|-----|-----|-----------|---------|
| • | Reinforcement | - | Electro-welded [72539 PSI] | mesh | AEH | 500 | (fyk=5100 | Kp/cm2) |

- Slopes As per project
- Contraction joints
 every 5.0 m [16'- 5"]
 - width 4 mm [1/8"]
 - depth 40 mm [1 1/2"]
 - every 25.0 m [82']
 - width 20 mm [3/4"]
 - filled and sealed
- Finishing process
 Spreading and compacting with concrete screeder.
 - Surface smoothing by screeder.
 - Mechanical floating once concrete is resistant enough (helicopter, fixed flat propeller).
 - Repeat previous operations as many times as necessary until the desired finish is obtained. In our case, surface finish must be non-slip.
 - Curing by wax-based curing liquid (Bettocure-C).



CONCRETE SPECIFICATIONS

The slab concrete's corrosion exposure class is "Ila" (normal reinforcement for high moisture conditions). It is adequate for areas that are not by the sea. For other types of exposure, check regulations in force.

Concerning exposure relating to concrete degradation phenomena other than corrosion, the concrete is erosionclassed, "E".

If the area were affected by frost, no melting salts would be needed for the foreseen purpose. Designation would be "H" (frost exposure, no salt de-icing).

| • | Definition | - | with compression HM-30 / B / 20 / IIa+E |
|---|---------------------------|---|---|
| | | - | with frost risk: HM-30 / B / 20 / E+H |
| | | | |
| • | Water/cement rate | - | (Table 37.3.2.a EHE-08) |
| | | - | Below 0.50 (Exposure class E) |
| | | | |
| • | Minimum concrete strength | | (Table 27.2.2 b EHE 08) |
| • | | - | |
| | | - | 30 N/mm² [4350 PSI] |
| | | | |
| • | Cement | - | Portland cement EN 197-1 CEM I 32.5 N (APPENDIX |
| | | | 4. Tables A.4.2 and A.4.5 CE Marking EHE-08 and Appendix LRD 956/2008 RC-08) |
| | | _ | (Table 37 3 2 a EHE-08) |
| | | | |
| | | - | ceed maximum cement content 375kg/m ³ [20.28 lb/ft ³]. (Do not ex- |
| | | | |
| | | | |
| • | Consistency | - | Concrete slump test, base 6 to 9 cm [2 3/8" to 3 1/2"]. |
| | | - | (Art. 31.5 EHE-08) Consistency SOFT |
| | | | |
| • | Coating | - | (Art. 37.2.4.1 EHE-08) |
| | | - | Without blinding concrete, minimum nominal coating 80 mm [3"]. |
| | | - | With blinding concrete, nominal coating 4mm [1 1/2"]. |
| | | | |
| • | Curina | _ | (Art 37 3 7 EHE-08) |
| | Carnig | - | Declarged during at least 50% shows normal that is |
| | | - | Projonged curing, at least 50% above normal. That is, |

10 days approximately in normal conditions.





- Aggregates

 (Art. 37.3.7 EHE-08)
 Fine aggregates will be QUARTZ or a material with at least the same hardness.
 Los Angeles coefficient for thick aggregates under 30.
 (Table 28.4.1.a. EHE-08)
 Thick aggregates: maximum % passing through sieve 0.063: 1.5 %.

 Fine aggregates: maximum % passing through sieve 0.063: 6 %.
 Additives

 Waterproofing liquid (Sika-1), 3% of cement weight.
 In case of frost risk (exposure class "F"), minimum
 - Waterproofing (Art. 37.3.3 EHE-08)
 - Concrete waterproofing must be tested according to UNE EN 12390-8, since the environmental exposure class is "E".

occluded air content 4.5%, as per UNE-EN 12350-7.

DRAINAGE GUTTERS

To be made on site using concrete with the same specifications as the slab concrete and fitting a prefabricated PVC drainage gutter.

The gutters must be covered with perforated steel sheets seated on a 12 mm profile on the gutter edge.

- Width 24 cm minimum [9 1/2"].
- Depth 19 cm minimum [7 1/2"].
- Slope inner slope 1.0 % (minimum)
- Reinforcement
 As per project
- Cover
 Perforated steel sheet, thickness = 8 mm [3/8"]
 - Dimensions: depending on gutter type (see details).



DRAINAGE PIPING

Gutter and central trap drainage is via a number of pipes that run along the boundaries of the rollover.

The pipes are PVC, with connection boxes and pits at intersection points where necessary.

The pipework facilitates the drainage of water coming from the rollover, taking it to the sludge settler, where water treatment starts for water to be recycled and reused in new wash processes.

- Pipes
 PVC 160 mm [6"] minimum diameter
- Slope minimum 1.0%
- Connection pits
 Perforated bricks, rendered and smoothed.

RAIN GUTTERS, WITH ENCLOSURE

Rain water is collected and channelled by separate gutters that run parallel to the drainage piping. As in the previous case, the pipes are arranged on the sides of the rollover.

For rollovers without an enclosure, rain water is collected together with that of the actual rollover.

All pipes must be PVC, even the special parts.

Pipe slope should not be under 1.0%. Pipes must lean on a concrete or sand bed.

Couplings as per drawings, in connection boxes or pits built with bricks, rendered and smoothed. Pit dimensions are indicated in the corresponding drawings.



WITH ENCLOSURE MC (CLASSIC)

EXCAVATION PLAN



1:40 0 200 500 1000 mm

| x | Width of excavation | 5000 | 5300 |
|---|------------------------|------|------|
| w | Width to central grate | 2090 | 2240 |



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Measurements in mm



MEASUREMENTS AND CROSS SECTIONS

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LAYOUTS

Layout with Modulbox

Section Y - Y'



1:90 0 200 500 1000 mm

| Electrical and communications lines | Water lines |
|---|-----------------------------|
| Gas lines | Jet wash drain pipework |

| 1 | PVC pipe Ø 110 mm: From sand settler to drain | 8 | PVC pipe Ø 50 mm: From communications connection box to self-service on bay |
|---|---|----|---|
| 2 | PVC pipe Ø 160 mm: Sand settler water drain on each bay | 9 | PVC pipe Ø 50 mm: From communications connection box to jet wash |
| 3 | PVC pipe Ø 160 mm: Gas supply | 10 | PVC pipe Ø 50 mm: From power line junction box to jet wash |
| 4 | PVC pipe Ø 160 mm: Water supply | 11 | PVC pipe Ø 50 mm: From water supply connection box to jet wash |
| 5 | PVC pipe Ø 160 mm: Power line | 12 | PVC pipe Ø 50 mm: From gas supply connection box to jet wash |
| 6 | PVC pipe Ø 160 mm: Communications line | 13 | PVC pipe Ø 110 mm: From jet wash drain to sand settler on bay |
| 7 | PVC pipe Ø 50 mm: Communication between power line junction boxes | | |

Surface of bay treated with non-slip finish.

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Any guarantees as to the dimensions of the concrete beds depend on the floor being properly compacted.

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Measurements in mm

15





Three-module cabinet



0 200 500

1000 mm





Four-module cabinet



INFORMATION For more information on junction boxes, see 'Details' section.

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Layout for container.

Measurements in mm

Section Y - Y'



| Electrical and communications lines | Water lines |
|---|-----------------------------|
| Gas lines | Jet wash drain pipework |

| 1 | PVC pipe Ø 110 mm: From sand settler to drain | 7 | PVC pipe Ø 50 mm: From communications connection box to self-service on bay |
|---|---|----|---|
| 2 | PVC pipe Ø 160 mm: Sand settler water drain on each bay | 8 | PVC pipe Ø 110 mm: Drainage from plant room to main drain |
| 3 | PVC pipe Ø 160 mm: Gas supply | 9 | PVC pipe Ø 50 mm: From communications junction box to container |
| 4 | PVC pipe Ø 160 mm: Water supply | 10 | PVC pipe Ø 50 mm: From electricity box to container |
| 5 | PVC pipe Ø 160 mm: Power line | 11 | PVC pipe Ø 50 mm: From gas supply junction box to container |
| 6 | PVC pipe Ø 160 mm: Communications line | 12 | PVC pipe Ø 50 mm: From water supply junction box to container |

Surface of bay treated with non-slip finish.

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Any guarantees as to the dimensions of the concrete beds depend on the floor being properly compacted.

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250

100







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Layout for plant room 2600 mm between pillars.

Measurements in mm

Section Y - Y'



1:100 00 500 1000 mm

| | Electrical and communications lines | | | | Water lines | |
|-----------|---|--------------------------------------|--|---|---|--|
| Gas lines | | | | Jet wash drain pipework | | |
| | | | | | | |
| 1 | PVC pipe | Ø 110 mm: From sand settler to drain | 7 | PVC pipe Ø 50 mr on bay | n: From communications connection box to self-service | |
| 2 | PVC pipe Ø 160 mm: Sand settler water drain on each bay | | 8 | PVC pipe Ø 110 mm: From plant room drain to plant room junction box | | |
| 3 | PVC pipe Ø 160 mm: Gas supply 9 | | 9 | PVC pipe Ø 50 mm: From communications connection box to Intermediate connection box | | |
| 4 | PVC pipe Ø 160 mm: Water supply 10 | | PVC pipe Ø 50 mm: From power line junction box to Intermediate contion box | | | |
| 5 | PVC pipe | Ø 160 mm: Power line | 11 | PVC pipe Ø 75 mm: From water and gas supply box to Intermediate on nection box | | |
| 6 | PVC pipe | Ø 160 mm: Communications line | | | | |

Surface of bay treated with non-slip finish.

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Any guarantees as to the dimensions of the concrete beds depend on the floor being properly compacted.



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Layout for plant room 4500 mm between pillars.

Measurements in mm

Section Y - Y'





1:110 0 200 500 1000 mm

| Electrical and communications lines | Water lines |
|---|-----------------------------|
| Gas lines | Jet wash drain pipework |

| 1 | PVC pipe Ø 110 mm: From sand settler to drain | 7 | PVC pipe Ø 50 mm: From communications connection box to self-service on bay |
|---|---|----|---|
| 2 | PVC pipe Ø 160 mm: Sand settler water drain on each bay | 8 | PVC pipe Ø 110 mm: From plant room drain to plant room junction box |
| 3 | PVC pipe Ø 160 mm: Gas supply | 9 | PVC pipe Ø 50 mm: From communications connection box to Intermediate connection box |
| 4 | PVC pipe Ø 160 mm: Water supply | 10 | PVC pipe Ø 50 mm: From power line junction box to Intermediate connection box |
| 5 | PVC pipe Ø 160 mm: Power line | 11 | PVC pipe Ø 75 mm: From water and gas supply box to Intermediate connection box |
| 6 | PVC pipe Ø 160 mm: Communications line | | |

Surface of bay treated with non-slip finish.

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Any guarantees as to the dimensions of the concrete beds depend on the floor being properly compacted.

Measurements in mm



1:60 0 200 500 1000 mm

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Layout for plant room 4800 mm between pillars.

Measurements in mm

Section Y - Y'



 Electrical and communications lines
 ----- Water lines

 Gas lines
 ----- Jet wash drain pipework

| 1 | PVC pipe Ø 110 mm: From sand settler to drain | 7 | PVC pipe Ø 50 mm: From communications connection box to self-service on bay |
|---|---|----|---|
| 2 | PVC pipe Ø 160 mm: Sand settler water drain on each bay | 8 | PVC pipe Ø 110 mm: From plant room drain to plant room junction box |
| 3 | PVC pipe Ø 160 mm: Gas supply | 9 | PVC pipe Ø 50 mm: From communications connection box to Intermediate connection box |
| 4 | PVC pipe Ø 160 mm: Water supply | 10 | PVC pipe Ø 50 mm: From power line junction box to Intermediate connection box |
| 5 | PVC pipe Ø 160 mm: Power line | 11 | PVC pipe Ø 75 mm: From water and gas supply box to Intermediate connection box |
| 6 | PVC pipe Ø 160 mm: Communications line | | |

Surface of bay treated with non-slip finish.

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Any guarantees as to the dimensions of the concrete beds depend on the floor being properly compacted.







SECTION A - A'



100

DETAILS





Intermediate connection box

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1:30 0 200 500 1000 mm

| EHL-4 | Slab leaning on four concrete edges FCK=25 N/mm2 | 1 | PVC pipe D110 mm |
|--------|--|---|------------------|
| EAT-2 | Laminated profile frame L 50 5 mm,; the reinforcement of the concrete slab will be welded onto it. | 2 | PVC pipe D75 mm |
| EFL-6 | 120 mm thick bonded brick wall, solid bricks R-100 Kg/cm, 10 mm thick M-40 mortar joints | 3 | PVC pipe D160 mm |
| RPE-14 | Rendering with 1:3 mortar and smoothing. Rounded angles | 4 | PVC pipe D50 mm |

FRAMES AND GRATES

CENTRAL DRAIN GRATE

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TO RAIN DRAIN

RAIN DRAIN ENCLOSURE MC CLASSIC







PART

DIMENSIONS



| MODEL | Α | В | С |
|--------------------------|------|-----|-----|
| Delta PRO S25 | 1615 | 540 | 591 |
| Delta Pro S45 | 1015 | 540 | 564 |
| Delta Pro S55 | 1760 | 540 | 584 |
| E-TECH S 240 | 1820 | 590 | 730 |
| HeatMaster100 N | 2128 | 680 | 831 |
| Ferroli ATLAS D 30 K 100 | 1350 | 500 | 750 |



Pressure system 50-100L

435

435



Osmotized water tank





Powder shampoo dosing pump



Bay-floor heating cabinet







Measurements in mm.

Electrical distribution cabinet





Duplex softener



| MODEL | Α | В |
|----------|------|-----|
| RC061008 | 1313 | 257 |
| RC061009 | 1419 | 310 |
| RC061010 | 1580 | 336 |
| RC061011 | 1858 | 413 |

Demineraliser unit 4DA5





1:50 0 200 500 1000 mm

Avant Jet wash



Simplex water softener



| MODEL | A | В |
|---------|------|-----|
| 4083500 | 1298 | 254 |
| 4081100 | 1848 | 362 |

Demineraliser unit 4DA4







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INSTALLATION

| ۷ | Electrical distribution cabin | et | - | Demineralised water |
|----|-------------------------------|---|--|---|
| | | | 2 | Softened water |
| Δ | Chemical prewash | | e | Mains water |
| | | | 4 | Hot water |
| ပ | AVANT jet wash | | S | Softened water pipe, FLEX. pipe 1" |
| | Hot water generator | | 9 | Pressure unit water pipe, FLEX. pipe 1" 1/4" |
| | | | 7 | Mains water pipe |
| ш | Pre-treatment filters | | ω | Electrical cable tubing, PVC pipe D100 mm |
| | | | ൭ | Drain, PVC pipe D100 mm |
| L | Tank 1,000 L (or undergrou | (pu | 10 | Electrical cable trunking |
| G | Demineraliser unit | | 11 | Overhead or underground outlet to bay commands posts |
| | | | 12 | Flexible PVC pipe D50 mm |
| Ξ | Pressure unit and inlet tan | ž | 13 | PVC pipe 1" |
| | | | 14 | PVC pipe D160 mm |
| - | Diesel tank | | 15 | PVC pipe D75 mm (Demineralised water line) |
| | | | | |
| \$ | Acometida eléctrica | Run the electrical line underground to the main d For the container: Run the power line to the distri Calculation of the wire size of the main power line should be 3F+N+PE for 400 V and 3F+PE for 23 based on the calculated current and wire size. | istributi bution e deper 0 V. Lei | ion board through a D100 flexible PVC hose. board through a D100 flexible pipe, and 16 mm2 cables. nds on the sum of simultaneous currents (use ELECTRICAL DATA table); it ngth of the cable along the ground = 4000 mm. Prepare power line protection |
| | | For 2-3 bays: Run the mains water line undergrout bars of pressure. | und thr | ough a 1 1/4" pipe DIN 2440 with a minimum flow rate of 50 l.p.m and 3 to 6 |
| ł | | For 4-6 bays: Run the mains water line undergrout bars of pressure. | und thr | ough a 1 1/2" pipe DIN 2440 with a minimum flow rate of 150 l.p.m and 3 to 6 |
| | Water supply | Depth of the pipes underground - 100 mm approv All DIN 2440 pipes are to be galvanised. All polyethylene pipes must be able to stand at le and the suction depth must not exceed 3000 mm If there is not enough pressure, a pressure unit w | k. ast 10 /ill be n | bar of pressure. The length of the suction pipe must not exceed 10000 mm ecessary. |
| | Waste disposal stages | Waste disposal stages; see book ref: 32EB500 Physical recycler; see booklet ref: 32UZ900 Biological recycler; see booklet ref: 30XE400 | | |

F

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ELECTRICAL DATA

Power line

| | NODE | | UNIT VALUES | | COLUM | |
|---------------------|---|---|----------------|---------------|-------|-------|
| OPTIONAL | MODEL | kW. | AMPS. 230 V | AMPS 400 V | kW. | AMPS. |
| | | 2.2 | 9.54 | 5.51 | | |
| JET WASH | (Per bay) | 3 | 13.2 | 7.65 | | |
| | | kw. 2.2 3 4 28.8 14.4 4.2 1.5 2.5 4.5 1 0.7 2 3.1 3.6 1.5 2.5 | 17.1 | 9.86 | | |
| | E-TECH S 240 | 28.8 | - | 42 | | |
| HOT WATER GENERATOR | E-TECH S 160 | 14.4 | 63 | 21 | | |
| | AIR-SOURCE HEAT PUMP WATER HEATER CMR500I PLUS | 4.2 | 18.3 | - | | |
| | 4DA4 | 1.5 | 6.1 | 3.5 | | |
| DEMINERALISER | 4DA5 | 2.5 | 10 | 6 | | |
| | 4DA6 | 4.5 | 18 | 10 | | |
| HEATER | | 1 | 4.5 | 2.3 | | |
| | 50 L / 100 L | 0.7 | 3.1 | - | | |
| PRESSURE BOUSTER | 200 L | 2 | - | 8.5 | | |
| 400 | Electropump 31KR600 | 3.1 | - | 4.5 | | |
| 480 | Electropump 31KR662 | 3.6 | 15 | - | | |
| LIGHTING | | 1.5 | 6 | - | | |
| SOCKET | | 2.5 | 10 | - | | |
| | | | TOTAL | | | |

Electrical distribution cabinet for Modulbox

(Not supplied by ISTOBAL)



| 220 / 400 \/ | | | НОТ | WATER GENERA | ATOR | DR DEMINERALISER | | |
|-------------------|-----------|----------|--------------|--------------|--------------|------------------|------|------|
| | 2307400 V | JET WASH | E-TECH S 160 | E-TECH S 240 | CMR500I PLUS | 4DA4 | 4DA5 | 4DA6 |
| 14 | QF1 | QF2 | QF3 | QF3 | QF3 | QF4 | QF4 | QF4 |
| 230 V | * | ** | 63 | - | 18.3 | 6.1 | 10 | 18 |
| 400 V | * | ** | 21 | 42 | - | 3.5 | 6 | 10 |
| Tripping curve | 0.3 | С | С | С | С | С | С | С |

* The gauge of these devices will depend on the value in amperes defined as "main supply" by the sum of the simultaneous currents.

**The sizes of the thermal magnetic circuit breakers will depend on the power and number of high pressure pumps installed at the jet wash.

Electrical distribution cabinet for container.

(Not supplied by ISTOBAL)



| | 230 / 400 V | CONTAINER |
|-------------------|-------------|-----------|
| TH | QF1 | QF2 |
| 230 V | * | ** |
| 400 V | * | ** |
| Tripping curve | 0.3 | С |

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* The gauge of these devices will depend on the value in amperes defined as "main supply" by the sum of the simultaneous currents. **The sizes of the thermal magnetic circuit breakers will depend on the power and number of high pressure pumps installed at the jet wash.

