# FALIZ PAJOUHESH PARS CO.



## F1.A12

# Three-Piece logging unit

Containerized three-piece wireline winch unit available in single drum configuration, and in two cabin lengths. With the complexity and sophistication of current well logging technology, the space and power demands of three racks full of computer, communications equipment and other peripherals can be hard to meet. Moreover, deep-hole logging operations require a powerful but precisely controlled winch. The standard configuration comprises a self-contained power pack, sophisticated logging and control cabin and winch module in a Non-zone configuration.Unit is also available in a Rig Safe or Zone II configuration.

### *Dimensions & Weights*

**Power pack:**
[L] 1.35 m [W] 2.44 m [H] 2.7 m [Weight] 4650 kg
**Control unit:**
[L] 3.15 m [W] 2.44 m [H] 3.0 m [Weight] 5200 kg
**Control unit (Optional long version):**
[L] 3.81 m [W] 2.44 m [H] 3.0 m [Weight] 5600 kg
**Winch unit (Excluding winch drum and wire):**
[L] 2.1 m [W] 2.44 m [H] 2.64 m [Weight] 4150 kg

### *Hydraulic Drive System*

* Powerful 400 bar (5800 psi) closed loop hydraulic system
* Variable displacement hydraulic pump and hydraulic motor
* Capable of stable logging at low speeds
* Hydraulic reservoir: 200 lit
* Hydraulic dynamic braking
* Low maintenance system

### *Logging Operation (OH)*

Based on 25000 ft 15/32” cable and tool weight 2000 lbs:
* Min. Line Speed at Core: 3 ft/min
* Min. Line Speed at OD: 6 ft/min
* Max. Line Pull at Core: 22000 lbs
* Max. Line Pull at OD: 11465 lbs

### *Winch System*

* Designed for 25000 ft of 15/32” mono-conductor
* Winch drum is chain driven
* Electro-pneumatic band brake system
* Planetary gearbox

### *Power Pack Features*

* Diesel Engine: six cylinder diesel engine providing 168 kW @ 2100 rpm
* Starter System: Electric
* Electrical System: 24V DC & 220V AC 50Hz
* Diesel reservoir: 350 lit
* Engine controls: Electronic throttle control from control room

***Hydraulic driven AC Generator 25 kW***

### *Control panel*



* Hydraulic pressure gauges
* Hydraulic oil temperature gauge
* Engine control panel
* Generator control panel
* Line tension value
* Brake lever / switch
* Touch screen Hoisting Panel
* Back-up depth panel
* Winch direction and speed control valve
* Spooler control

### *Features & Benefits*

* Economical design
* Roof mounted air conditioners (2x 13500 btu)
* Weight and format ideal for offshore operations

### *Options*



* Rig-Safe / Zone II configured
* Disc Brake System
* Heavy duty Captain Chair
* PLC based control system
* PTZ Camera
* Additional industrial computer

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