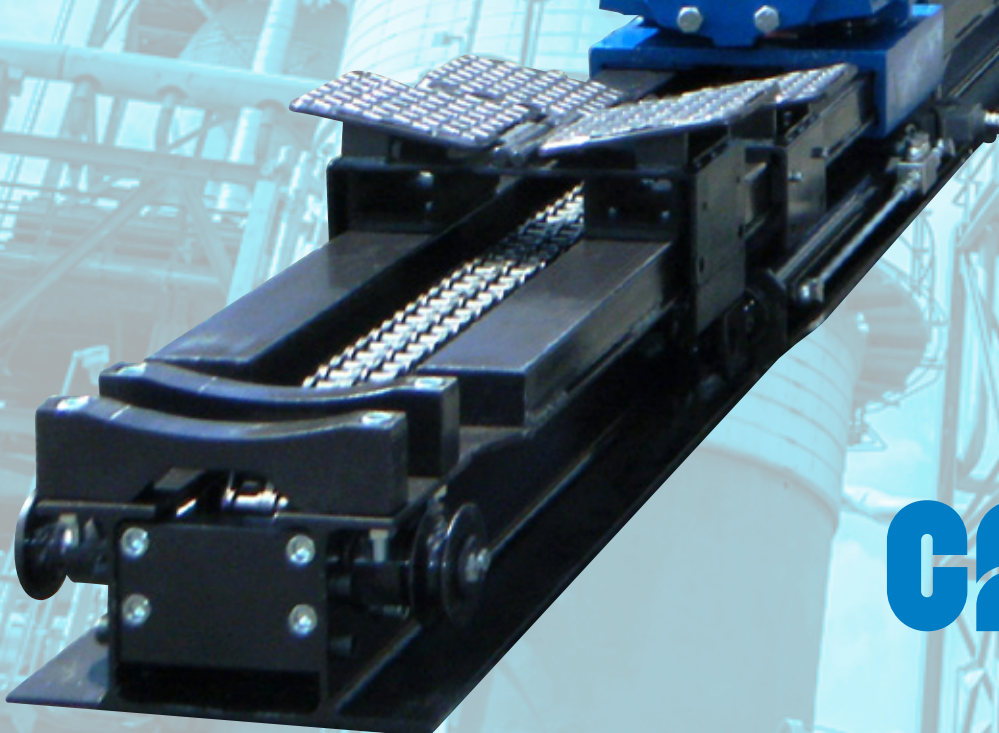


PULL & PUSH

AERIAL TUBE BUNDLE EXTRACTOR

BUNDLEPRO



CALDER

PULL & PUSH

AERIAL TUBE BUNDLE EXTRACTOR

The pull & push machine is a major advance in tube bundle handling technology.

The slim-design, lightweight, self-contained units allow safe and efficient removal, handling, and replacement of tubes and tube bundles. There are five models available which meet a range of tube bundle weights and sizes.

Once lifted into place using a crane, the tube bundles are pulled and pushed hydraulically. Power is supplied through a built-in, air-cooled diesel engine fitted with a spark arrestor to allow operation in hazardous areas. The units also have a hydraulic balancing system. All hydraulic functions can be controlled remotely.

- tube and tube bundle handling
- 5 models - 5T, 10T, 15T, 65T and 100T
- max. bundle weight 100,000 kg
- max. bundle diameter 3,200 mm
- lightweight, self-contained units
- min. unit weight 1,600 kg
- hydraulic balancing system
- remote control



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Call +44 (0) 1905 759090 to discuss your UK requirements.
Call +966 (50) 5735125 to discuss your KSA requirements.

Model Specifications

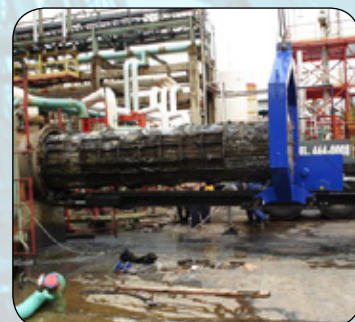


Single Frame

Model	5T	10T	15T
Machine Length	6,600 mm / 21.65 feet	7,000 mm / 23 feet	7,400 mm / 25 feet
Machine Maximum Height	1,880 mm / 74 inches	1,880 mm / 74 inches	1,880 mm / 74 inches
Machine Width (without arch)	800 mm / 32 inches	1,000 mm / 40 inches	1,200 mm / 48 inches
Machine Weight (unloaded, with arch)	1,600 kg / 3,500 lbs	1,800 kg / 4,000 lbs	2,000 kg / 4,400 lbs
Maximum bundle length without extensions	6,000 mm / 20 feet	6,400 mm / 21 feet	7,000 mm / 23 feet
Maximum bundle diameter	1,000 mm / 40 inches	1,250 mm / 52 inches	1,500 mm / 60 inches
Maximum standard winch pulling force	10,000 kg / 22,046 lbs	10,000 kg / 22,046 lbs	10,000 kg / 22,046 lbs
Maximum bundle weight	5,000 kg / 11,000 lbs	10,000 kg / 22,046 lbs	15,000 kg / 33,100 lbs
Winch pulling speed	2,500 mm (8.2 ft)/min.	2,500 mm (8.2 ft)/min.	2,500 mm (8.2 ft)/min.
Pump working pressure	200 bar / 2,900 psi	200 bar / 2,900 psi	200 bar / 2,900 psi
Engine	HATZ model 1D90W	HATZ model 1D90W	HATZ model 1D90W
Number of cylinders	1	1	1
Cubic capacity	722 cc	722 cc	722 cc
R.P.M.	3,000	3,000	3,000
Horse power	16 HP	16 HP	16 HP
Cooling system	air	air	air

Double Frame

Model	65T	100T
Machine Length	11,000 mm / 37 feet	12,000 mm / 40.72 feet
Machine Maximum Height	3,315 mm / 10.88 feet	3,315 mm / 10.88 feet
Machine Width (without arch)	1,440 mm / 4.73 feet	1,750 mm / 5.74 feet
Machine Weight (unloaded, with arch)	10,800 kg / 23,810 lbs	25,900 kg / 57,090 lbs
Maximum bundle length without extensions	10,500 mm / 35.37 feet	11,500 mm / 39.09 feet
Maximum bundle length with front side extensions	11,500 mm / 39.06 feet	12,500 mm / 48.93 feet
Maximum bundle length with back side extensions	10,900 mm / 37.06 feet	
Maximum bundle length with front and back side extensions	11,900 mm / 45.93 feet	
Maximum bundle diameter	3,000 mm / 91 inches	3,200 mm / 124.11 inches
Maximum standard winch pulling force	62,000 kg / 136,277 lbs	62,000 kg / 136,277 lbs
Optional winch pulling force	100,000 kg / 220,462 lbs	100,000 kg / 220,462 lbs
Maximum bundle weight	65,000 kg / 143,280 lbs	100,000 kg / 220,462 lbs
Winch pulling speed	2,800 mm (9.1 ft)/min.	2,800 mm (9.1 ft)/min.
Pump working pressure	350 bar / 5,075 psi	350 bar / 5,075 psi
Engine	HATZ model 2L41C	HATZ model 2L41C
Number of cylinders	2	2
Cubic capacity	1,716 cc	1,716 cc
R.P.M.	3,000	3,000
Horse power	33 HP	33 HP
Cooling system	air	air



BUNDLEPRO

Use in conjunction with our BundlePro
Range of Extractors, Movers, and Cleaners



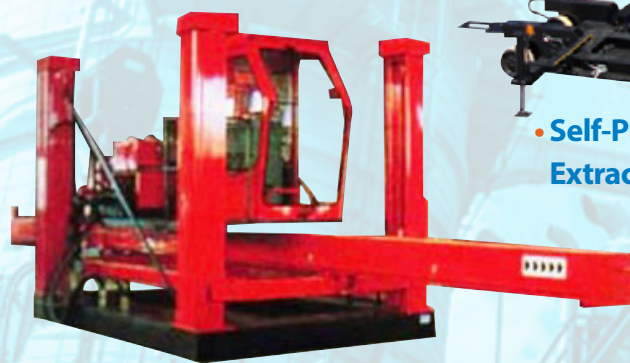
• Self-Propelled Mobile
Extractor



• Bundle Arm Lift



• Self-Propelled Mobile
Extractor



• Internal Bundle Cleaning Robot



• Self-Propelled Large
Mobile Extractor

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Calder Ltd reserve the right
to alter specifications and
data to incorporate improve-
ments in design.