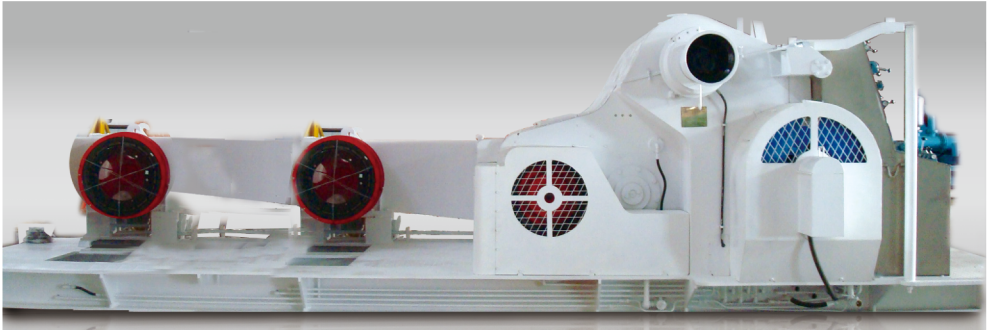
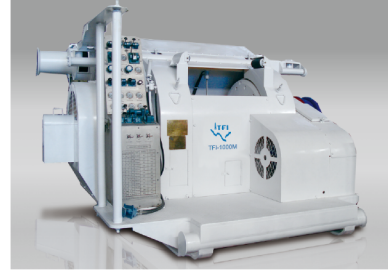


2.9 Drawworks

TFI makes complete line of drawworks, which include DC, AC & Mechanical drive. Conventional chain driven and latest design single shaft with gear box are also available.

2.9.1 Mechanical Drawworks



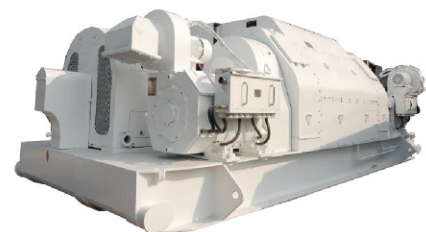
TFI has designed two mechanical drawworks, TFI-800M and TFI-1000M. These drawworks feature two engine compound drive, Eaton dual port auxiliary brake, all unitized on an oilfield heavy duty skid that can be handled on winch trucks.

Model			TFI-800M	TFI-1000M
Nominal Drilling Depth	4-1/2" DP	m (ft)	3000 (10,000')	4000 (13,000')
Power Rating		kW (HP)	596 (800)	745 (1000)
Drilling Line		mm (in)	32 (1-1/4")	32 (1-1/4")
Main Brake			Band Brake	Band Brake
Auxiliary Brake			Eaton Disc Brake	Eaton Disc Brake
Engine			2 x C-15	2 x C-15
Shifts			8F+4R	8F+4R
Overall Dimension		mm (in)	8255×3810×2337 (325"×150"×92")	8865×3937×2388 (349"×155"×94")
Weight		kg (lbs)	30,164 (66,500)	31,000 (68,343)

2.9.2 DC Drawworks

TFI DC chain-driven drawworks are equipped with a robust disc brake system featuring hydraulically applied service brake calipers as well as spring actuated emergency brake calipers for seamless fail-safe operation. The package is skid mounted with attachments to allow for easy winch truck transportation.

Model			TFI-1000D	TFI-1500D	TFI-2000D
Nominal Drilling Depth	4-1/2" DP	m (ft)	2500 - 4000 (8200' - 13,000')	3000 - 5000 (10,000' - 16,000')	4500 - 7000 (15,000' - 23,000')
	5" DP	m (ft)	2000 - 3200 (6600' - 10,500')	2800 - 4500 (9185' - 15,000')	4000 - 6000 (13,000' - 20,000')
Power Rating		kW (HP)	746 (1000)	1118 (1500)	1491 (2000)
Number x Rated Power of DC Motor		kW (HP)	2x800 (2x1072)	2x800 (2x1072)	2x800 (2x1072)
Rated Motor Speed		r/min	970	970	970
Max. Fast Line Pull		kN (lbs)	275 (61,822)	340 (76,435)	485 (109,000)
Drilling Line		mm (in)	32 (1-1/4")	35 (1-3/8")	38 (1-1/2")
Drum (Dia. x Length)		mm (in)	640×1139 (25"×45")	685×1245 (27"×49")	770×1434 (30"×56")
Brake Rim (Dia. x Width)		mm (in)	1500×75 (59"×3")	1600×75 (63"×3")	1600×75 (63"×3")
Overall Dimension (L x W x H)		mm (in)	6600×3716×2990 (260"×146"×118")	7500×3300×2700 (295"×130"×106")	8000×3400×2900 (315"×134"×114")
Weight		kg (lbs)	38,000 (83,775)	40,000 (88,185)	46,000 (101,400)



2.9.3 AC Drawworks

TFI AC gear-driven drawworks represent the pinnacle of modern technology. Geared to deliver a heightened standard of performance, dependability and safety, these drawworks feature minimal overall dimension resulting in lower weight, reduced noise and vibration during operation.

Model			TFI-1000DB	TFI-1500DB	TFI-2000DB
Nominal Drilling Depth	4-1/2" DP	m (ft)	2500 - 4000 (8200' - 13,000')	3000 - 5000 (10,000' - 16,000')	4500 - 7000 (15,000' - 23,000')
	5" DP		2000 - 3200 (6600' - 10,500')	2800 - 4500 (9185' - 15,000')	4000 - 6000 (13,000' - 20,000')
Power Rating		kW (HP)	746 (1000)	1118 (1500)	1491 (2000)
Number × Rated Power of AC Motor		kW (HP)	1×720 (1×980)	2×720 (2×980)	2×800 (2×1070)
Rated Motor Speed		r/min	600	600	741
Drilling Line		mm (in)	32 (1-1/4")	35 (1-3/8")	38 (1-1/2")
Max. Fast Line Pull		kN (lbs)	275 (61,822)	340 (76,435)	485 (109,000)
Drum (Dia. × Length)		mm (in)	640×1139 (25-1/4"×44-7/8")	685×1245 (27"×49")	770×1439 (30"×53-1/2")
Brake Rim (Dia. × Width)		mm (in)	1500×75 (59"×3")	1600×75 (63"×3")	1600×75 (63"×3")
Speed			Single Speed		
Auxiliary Brake			AC Motor Regenerative Braking and/on Eaton Disc Brake		
Overall Dimension (L × W × H)		mm (in)	6600×3000×2650 (260"×118"×104")	7400×3100×2650 (291"×122"×104")	7920×3208×2880 (312"×126"×113")
Weight		kg (lbs)	26,000 (57,320)	30,000 (66,138)	35,000 (77,161)

