YOUR GLOBAL PARTNER FOR PIPELINE EQUIPMENT




Vietz
Vietz


FASSI
F115
FASSI
DOMETIC
Vietz
ARCOTRAC
1100

ARCOTRAC

Welding pipes involves special requirements
regarding the equipment used.
We meet this challenge
with the machines of our ARCOTRAC series.

The ARCOTRAC is a machine developed as a tracked welding vehicle and optimised for this application. Unlike many converted bulldozers, a single diesel engine supplies all the components of the ARCOTRAC with power.

The user only needs to fill up that one engine with fuel, and only needs to provide maintenance materials for that engine. Coupled to the engine are both the electric generator of the machine and the hydraulic pump group, which supplies the tracked running gear and the working crane of the machine. The tracked running gear moves the ARCOTRAC at two driving speeds, even through difficult terrain. The crane drives the tent or cabin in which the pipes are welded to one another. Its position at the front of the machine thereby makes operating and positioning easier.

The generator supplies the electrical power for the welding equipment, which can be stored in lockable housings. For auxiliary machines, the ARCOTRAC has sufficient additional power sockets. The electrical plant is safeguarded by means of insulation monitoring. We can supply additional protective equipment, such as RCD or isolating transformers, at the request of the customer.

In any case, the modular concept of the ARCOTRAC series makes it possible to largely fulfil the customer's requests. Options include, for example, an air-conditioning system, compressor package (for instance, for operating an internal pneumatic line-up clamp), lighting mast, hydraulic lifter for welding gas cylinders, for equipping the tracked running gear with rubber pads for deployment on surfaced roads or additional safety equipment.

We naturally supply the devices of the ARCOTRAC series in accordance with the exhaust regulations that are in force in your operational area, and with a crane in accordance with the customer's specifications. The machine operator drives the machine from his/her cabin, controls the crane, and switches the power or the optional compressor on or off. With longer pipelines ARCOTRACS often drive as a group, and with the first machine, die root is welded and with the other two to five ARCOTRACS, the intermediate seams and cover seams are welded.

VIETZ produces the tracked welding vehicle as the ARCOTRAC 1100, with up to four welding stations, and as the ARCOTRAC 1800, with up to six welding stations.

Technical Specifications Arcotrac

	Unit	Type 1100		Type 1500	Type 1800
Number of welding stations	pcs	2 - 6			4 - 6
Engine		DEUTZ			
Type**		TCD 2013 L04 2V		TCD 2013 L06 2V	
Fuel		diesel		diesel	
No. of cylinders	pcs	4		6	
Configuration		inline-four		inline-six	
Displacement	l	4.8		7.2	
Cooling		liquid		liquid	
Power output at 1500 rpm	kW/hp	110 / 148		168 / 225	
Emission class		EU Stage IIIA / US Tier 3			
Electrical system	V	24 DC			
Onboard control system		Vietz VCU			
Generator					
Electrical Power (at 50 Hz)	kVA	132		180	210
Frequency at 1500 rpm	Hz	50			
Frequency at 1800 rpm*	Hz	60			
Crane		FASSI			
Type**		F85B	F95B	F115A	F175A
Max. reach (with hydraulic telescopes)	m	7,5	5,9	7,9	10,1
Lifting capacity at max. reach	kg	1045	1545	1360	1415
Lifting capacity at min. reach	kg	3920	4420	5400	7680
Crane operation		From inside the cabin / Remote control optional			
Undercarriage					
Track chain type		D2			D4
Track/Carrier rollers	pcs	10			12
Guide wheel distance	mm	3320			4050
Length of track on ground	mm	2480			3050
Chain width	mm	500			600
Ground pressure	kg/cm²	0,36			0,41
Max. speed	km/h	5			5
Tank capacities					
Diesel	l	400			450
Hydraulic	l	200			200
Air compressor*		Piston compressor			
Type**		Atlas Copco LT 15-20E			
Flow rate	l/min	910			
Max. pressure in bar	bar	16			
Shielding gas*					
Bottle rack		Hydraulic liftable platform			
Max. number of gas cylinders	pcs	6			8
Basic specifications					
Dimensions (L x W x H)	mm	6410 x 2855 x 2980	6410 x 2855 x 3240	6410 x 3000 x 3210	6910 x 3000 x 3380
Weight	kg	11600	12000	12800	17700
Heatable cabin with rollover protection system (ROPS)		Standard			
Article no.		**31730**		**31780**	**31750**
Air Conditioning*		**Article no. 38958B**			
Ambient temperature	°C	-20 ... +55			
Ambient temperature with Arctic Kit	°C	-38 ... +20			

* optionally available | ** other types on request
Subject to changes and errors

VIETZ GMBH

YOUR GLOBAL PARTNER FOR PIPELINE EQUIPMENT

Fränkische Straße 30-32
D - 30455 HANNOVER
FON +49 511 949 97-0
FAX +49 511 49 51 16
info@vietz.de
www.vietz.de