

WALLIUS

BlackLine

281 AC/DC



BlackLine 281 AC/DC is an advanced technology Three Phase Inverter Power Source for TIG AC and DC welding. TIG AC functions are ideal for aluminum, magnesium and related alloys welding, while mild steel, stainless steel and copper can be easily welded in TIG DC.

High definition construction, petrol/chemical plants, food & beverage industry and shipyards are BlackLine 281 AC/DC main applications.

Wallius Special HF control provides 100% rapid and precise arc ignition.

TIG AC welding is optimized thanks to:

— Synergic arc ignition selection located on the front panel, it modifies the ignition according to electrode diameter.

— Extra Fusion function maximizes arc focusing for considerable thin material in TIG AC welding.

— Mixed AC/DC increases arc penetration for thick aluminum plates.

— Pulsed AC avoids deformations when welding for long time.

Friendly-user LCD interface allows precise parameters setting.

Up to 6mm diameter electrode welding is possible in MMA.

- 50 program memories available
- AC Balance for oxide-cleaning and penetration
- Adjustable AC frequency (20÷200Hz) controls welding speed and penetration
- Square-Wave allows faster welding speed and better pool control
- Sine-Wave provides traditional soft arc
- Triangular-Wave reduces heat input
- Multiple AC Waveforms available for any TIG AC welding request
- Remote Controlled by TIG-torch(UP-DOWN, potentiometer), pedal or RC unit
- Cooling Unit available



Construction technology: **Inverter** Mains supply: **Three phases** Type: **TIG**

WALLIUS
WELDING MACHINES

Wallius Hitsauskoneet Oy
Muurlantie 510, 25130 Muurla, Finland
Tel. +358 2 728 000, fax +358 2 728 0040
wallius@wallius.com
www.wallius.com

See details

Mains voltage	3 x 400V~ ± 15% / 50-60 Hz					
Mains protection	25A DELAYED					
Welding modes	MMA			TIG		
Working cycle (40 °C)	40%	60%	100%	35%	60%	100%
Welding current	250A	210A	180A	280A	230A	200A
Working voltage	30,0V	28,4V	27,2V	21,2V	19,2V	18,0V
Maximum input power	12,7KVA	10,7KVA	9,2KVA	10,9KVA	8,9KVA	7,6KVA
Maximum supply current	18,4A	15,5A	13,3A	15,8A	12,9A	11,0A
Maximum effective supply current	11,6A	12,0A	13,3A	9,3A	10,0A	11,0A
Open circuit voltage	71V					
Insulation class	H					
Protection rating	IP23					
Cooling system	AF					
Construction standards	EN 60974-1/-10					
Power source size (L x D x H)	290 x 670 x 460mm					
Power source weight	40,5Kg					

WALLIUS **WELDING MACHINES**

Wallius Hitsauskoneet Oy
Muurlantie 5 | 0, 25 | 30 Muurla, Finland
Tel. +358 2 728 000, fax +358 2 728 0040
wallius@wallius.com
www.wallius.com