



THYROLUXE 401

THYROLUXE 600

THYROLUXE 401 / THYROLUXE 600



Heavy Duty Thyristor based DC Welders



THYROLUXE 401 and 600 are a series of most reliable and dependable workhorse SMAW welding machines, proven for a wide range of applications. The Thyristor based power source with Dual Star Radial Rectifier full controlled Thyristor bridge, Interphase Reactor and DC Choke enables welder to obtain the desired arc current with ease. The equipments have a rugged design, with reliable performance, superior arc characteristics and minimum maintenance requirements.

SALIENT FEATURES

- Suitable for Heavy duty Welding application.
- Smooth and stable arc with minimum spatter.
- Stepless current control.
- Welder friendly Remote controller for easy and convenient setting of current from workplace / job.
- Easy arc striking, High OCV for ease in arc start / restart.
- Superior welding performance for the complete welding current range.
- Ideal constant current drooping characteristics.
- Protections against input supply fluctuations i.e. Under voltage, Over voltage, Single-phasing, overload and short circuit.
- Power sources are provided with built in Hot start, Antistick and self-controlled Arc force dynamics.
- Worry-free on maintenance.
- Power sources can be optionally provided with built in VRD to provide safe low voltage of 12-18V during no-weld condition, RCCB protection at input and Digital Meters

SPECIFICATIONS

Technical Specifications	Thyroluxe 401	Thyroluxe 600	Unit
INPUT			
Input Supply Voltage, Phase, Frequency	415 +10% / -10%, 3, 50 / 60	415 +10% / -10%, 3, 50 / 60	V Ac, No., Hz
Input Kva @ 100% Duty Cycle	19.5	31.5	Kva
Input Current @ 100% Duty Cycle	26	44	A Ac
Recommended Switch Fuse Rating	TP 35	TP 63	

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OUTPUT			
Open Circuit Voltage	100	100	V DC
Welding Current Range	10 -400	20 - 600	A DC
Current:			
@60% duty cycle	400	600	A DC
@100% duty cycle	310	465	A DC
GENERAL			
Welding Electrode Size	2.5, 3.15, 4.0,.5.0 And 6.3	2.5, 3.15, 4.0,.5.0 And 6.3	Mm
Current Display	Analog	Analog	Type
Ingress Protection	Ip23	Ip23	Grade
Cooling	Forced Air	Forced Air	Type
Insulation	H	H	Class
Dimensions (l X W X H)	835 X 495 X 820	980 X 550 X 960	Mm
Weight	147	216	Kg
ORDERING INFORMATION	THYROLUXE 401	THYROLUXE 600	
Power Source	F.10.34.401.0060	F10.34.401.0072	
Optional Accessories			
Welding Accessories-wac 400	S10.64.001.0014	-	
Welding Accessories-wac 600	-	S10.64.001.0015	

- **Warranty:** One year from the date of commissioning. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorised Distributors are free from defects in materials and workmanship and will perform in full accordance with applicable specifications.
- In view of continuous development, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.
- Backed by dedicated customer care package.