SPEEDTEC® 400S TECHNICAL SPECIFICATIONS

NAME	INDEX			
SPEEDTEC® 400S	**K14457-1**			
INPUT				
Input Voltage U_1	400V±10% 3-phase			
Rated Cycle	100%			
Input Apparent Power at Maximum Rated Cycle	20kVA			
Input Current I_{1max}	28A			
Power Factor PF	0.83			
EMC Class	A			
Frequency	50/60Hz			
RATED OUTPUT AT 40°C				
Process	GMAW	FCAW	SMAW	GTAW
Input Voltage	400V			
Open Circuit Voltage (peak) U_0	65Vdc			
Rated Cycle (based on a 10 min. period)	100%	100%	100%	100%
Output Current I_2	420A	420A	420A	420A
Output Voltage U_2	35Vdc	35Vdc	36.8Vdc	26.8Vdc
WELDING CURRENT RANGE				
Input Voltage	400V			
GMAW	20A ÷ 420A			
FCAW	20A ÷ 420A			
SMAW	15A ÷ 420A			
GTAW	15A ÷ 420A			
WELDING VOLTAGE REGULATION RANGE				
GMAW	10V ÷ 45V			
FCAW	10V ÷ 45V			
RECOMMENDED SUPPLY NETWORK CABLE AND FUSE SIZES				
Supply network cable	$4x4mm^2$			
Fuse Type gR or Circuit Breaker Type Z	32A			
DIMENSIONS AND WEIGHT				
Height	580mm			
Width	295mm			
Length (case only, without torch)	630mm			
Weight	39 kg			
OTHERS				
Protection Rating	IP23			
Maximum Gas Pressure	0.5MPa (5 bar)			
Operating Temperature	from -10°C to +40°C			
Storage Temperature	from -25°C to +55°C			
Operating Humidity (t=20°C)	≤ 90 %			

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