




Comparison Guide*

POWERTIG 185DV

TIG

We've done the hard work for you. We've compiled a list of our most commonly compared units to the PowerTIG 185DV, and taken the literature and information that the other manufacturers offer on their machines and compiled the relevant information and stuck it right beside the PowerTIG 185DV so you can compare more easily. We think you'll see that the PowerTIG 185DV is indeed an excellent value. Keep in mind that specifications do change and prices do too. So before you make your final choice, check back with the other manufacturers to confirm before you buy.

SPECIFICATIONS	 POWERTIG 185DV \$899.00	 DIVERSION 180 \$2705.00	 SQUARE WAVE 200 \$2399.00	 VULCAN PROTIG 205 \$1199.00	 CK MT-200 AC/DC 2199.00	 TITANIUM TIG 200 849.00
	WARRANTY	5 Years Parts/Labor	3 Years Parts/Labor	3 Year Parts/Labor	90 Days Replacement	3 Years Parts/Labor
DESIGN TYPE	AC/DC Inverter	AC/DC Inverter	AC/DC Inverter	AC/DC Inverter	AC/DC Inverter	AC/DC Inverter
INPUT VOLTAGE (NOMINAL)	120/240V	120/240V	120/240V	120/240V	120/240V	120/240V
TIG OUTPUT 120V	DC 5-125A/AC 20-125A	AC/DC 10-125A	AC/DC 10-125A	DC 10-130A/AC 10-125A	AC/DC 5-140A	AC/DC 10-110A
TIG OUTPUT 240V	DC 5-185A/AC 20-185A	AC/DC 10-180A	AC/DC 10-200A	AC/DC 10-205A	AC/DC 5-200A	AC/DC 10-200
STICK OUTPUT 120V	5-100A	None	10-90A	10-80A	10-110A	10-75A
STICK OUTPUT 240V	5-150A	None	10-170A	10-170A	10-160A	10-160A
TIG DUTY CYCLE @ RATED AMPS	35% @ 185A	10% @ 180A	25% @ 200A	25% @ 200A	25% @ 200A	20% @ 200A
STICK DUTY CYCLE @ RATED AMPS	35% @ 150A	Not Applicable	20% @ 170A	20% @ 170A	30% @ 160A	20% @ 160A
2T/4T REMOTE SWITCH CONTROL	Yes	No	2T only	No	Yes	No
OCV	74V	80V	62V	13.5 (VRD, Not Std.)	74V	13.5V
INRUSH (I1 _{MAX}) AMPS 120V	34A	26.5A	21.5A	24.5A	21	27.5
INRUSH (I1 _{MAX}) AMPS 240V	29A	21A	25A	21A	34A	32A
RATED (I1 _{EFF}) 120V	21A	Not Published	15A	Not Published	Not Published	Not Published
RATED (I1 _{EFF}) 240V	17A	7.2A	14.7A	Not Published	Not Published	Not Published
HF START /LIFT START	HF and Lift	HF Only	HF Only	HF Only	HF Only	HF Only
AC FREQUENCY	20-250 Hz	Fixed	60-150Hz	Adjustable, not published	20-250Hz	Fixed
AC BALANCE	10-90% of EP(+)	Fixed	60-90 of EN (-)	Adjustable, not published	50-85% of EN	Fixed
PRE FLOW	Fixed .5 Seconds	Fixed	Fixed	.3-20	Fixed .5 Seconds	Fixed
POST FLOW	0-25 Seconds	Fixed	Fixed	.3-20	.5-20 Seconds	Fixed
UPSLOPE	Fixed	None	Fixed	None	None	None
DOWN SLOPE	0-10 Seconds	None	Fixed	None	None	None
PULSE	Yes	None	Yes	Yes	Yes	None
PULSE FREQUENCY	1 Hz or 50 Hz Presets	None	.1-20 Hz Adjustable	Adjustable, Not Published	1-200Hz	None
FOOT PEDAL INCLUDED	Optional	Yes	Yes	Yes	Yes	Yes
TIG TORCH INCLUDED	150A , Air-Cooled 17 Series 12.5 ft.	150A, Air Cooled 17 Series 12.5 ft.	150A, Air-Cooled 17F Series 12.5 ft.	150A, Air-Cooled 17 Series 12.5 ft.	150A, Air-Cooled 17RSF-FX Series 12.5 ft.	150A, Air-Cooled 17 Series 12.5 ft Torch
SIZE (NOMINAL)	20"Lx7"Wx12"H	23.9"Lx9.8"Wx17"H	19.3"Lx10.8"Wx14"H	20"Lx10.5"Wx16"H	20"Lx8.5"Wx15"H	21"Lx8.6"Wx13.3"H
WEIGHT	30 Lbs.	50 Lbs.	46.5 Lbs.	53 Lbs.	32 Lbs.	40 Lbs.

*This publication is based on available information on Feb 10, 2022. It relies on other manufacturer data which is subject to change and may vary in accuracy. Prices are also subject to change.