

DIGITAL AIR PLASMA DCT35(C)/DCT60(C)

New



STRONG MACHINE FOR ON-SITE CONSTRUCTION

- Cutting ability is even more powerful! Gouging is also possible!
- Equipped with new functions to protect cutting quality!
- Two types to choose from depending on the site environment!

NEW

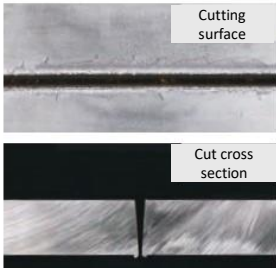
With digital display
Easy to use

DIGITAL AIR PLASMA DCT35 (C) DCT60 (C)



High quality cutting

The concentrated plasma arc allows for a narrow cutting width and a sharp cut surface. Although it is small, it is capable of power cutting work, making it useful in a variety of work sites.



Cutting conditions :
 ◦Material : Mild steel ◦Plate thickness : 12mm
 ◦Cutting current 60A, cutting speed : 80cm/min



Pipe cutting work



Automotive sheet metal cutting work



Building demolition work

High cutting capacity

Improved cutting ability compared to conventional machines. The arc maintenance ability has also been improved, contributing to efficient work that is resistant to camera shake.

DCT35 · DCT35C

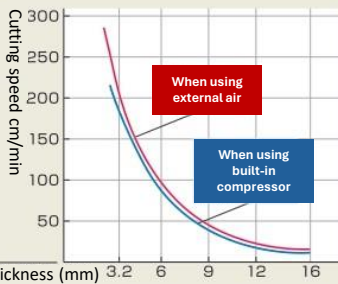
•Maximum cutting thickness

Conventional machine 35A : 12 mmt ⇒ DCT35 (C) : 16 mmt



●Limit cutting speed

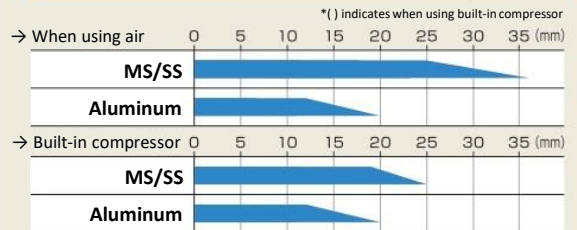
*In the case of single phase, the cutting capacity will be 2/3



DCT60 · DCT60C

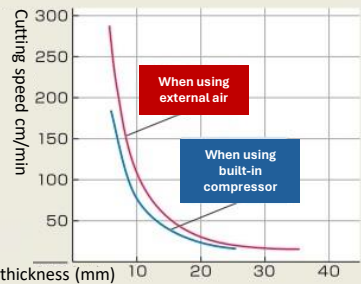
•Maximum cutting thickness

Conventional machine 55A : 25 mmt ⇒ DCT60 (C) : 36 mmt (25 mmt)



●Limit cutting speed

*In the case of single phase, the cutting capacity will be 2/3



Equipped with gouging function (DCT60/DCT60C)

Air plasma gouging can be used by attaching a special tip (sold separately). It can also be used with a built-in compressor, allowing gouging work to be performed even in locations without air equipment



Gouging conditions :
 ◦Current : 60A ◦Speed : 30cm/min

- Gouging ability is equivalent to 5.0mm carbon electrode !
- One electrode can do the chiselling work of 10 carbon electrodes !!



Gouging tip :

Part number	remark
H1443H01	CT-0601用

Dedicated chip

Convenient features unique to digital

The “cutting guide” automatically adjust the appropriate cutting condition

By setting the palte thickness, material, and cutting speed, the optimal cutting current is automatically determined. It not only provides a clean cut surface, but also cuts without using excessive current, contributing to enugu savings.

“Electrode monitor” contributes to stable cutting quality

The electrode monitor notifies you when to replace the electrode, contributing to stabilizing quality and preventing torch burnout.



How use the cutting guide :

▲ Easy to use operation panel

Click here for the operation video



User-friendly :

5POINT



Point 1.

Surprisingly compact body

Compared to the previous model, portability has been further improved



Point 2.

Stacked in 4 tiers : Don't get in the way!

Up to 4 units can be stacked Horizontally, contributing to space savings



*Transportation and cutting operation cannot be carried out while stacked

Point 3.

Reduce power consumption and contribute to energy saving!

Low-loss design reduces power consumption by up to 9% (compared to conventional models), realizing environmentally friendly cutting work

Point 4.

Automatically determines the air condition!

Automatically recognizes external air or built-in compressor, so no setting are required

Point 5.

A shoulder belt that kills two birds With one stone!

The shoulder strap allows you to bundle the cables together for easy portability.

OPTION

Highly durable electrode!

Highly durable electrodes with special machining are available. This reduces the frequency of electrode replacement and improves work efficiency.

CT-0351

Standard electrode : 70m

High durability electrode : 210m (H999T00)

3X

•Material : Mild steel •Plate thickness : 3.2mm •Cutting current : 35A

CT-0601

Standard electrode : 50m

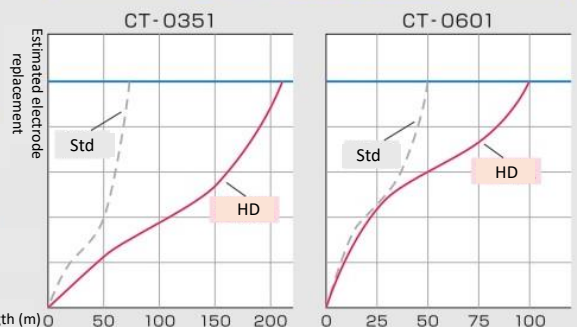
High durability electrode : 100m (H1443J00)

3X

•Material : Mild steel •Plate thickness : 12mm •Cutting current : 60A

※ The length that can be cut varies depending on the usage environment

Length that can be cut with one electrode



● Power equipment capacity and connection cable

		DCT-35	DCT-35C	DCT-60	DCT-60C
Power supply	V	200/220±10%	200±10%	200/220±10%	200±10%
Number of phase	—	Three (single) phase		Three (single) phase	
Equipment capacity	kVA	7 (6) or above		12 (9) or above	
Board capacity	B class fuse	A 30		A 30 (40)	
	Breaker	A 30		A 30 (60)	
Input side cable	mm ²	3.5 or more (M6)		5.5 or more (M6)	
Base material/side cable	mm ²	14 or more (M6)		14 or more (M6)	
Grounding cable (Class D)	mm ²	3.5 or more (M6)		5.5 or more (M6)	

※ () The size parentheses is the size of the crimp terminal
On the cutting machine side

● Standard specifications

General name	Sat.	DCT-35	DCT-35C	DCT-60	DCT-60C
Power supply		DCT-35	DCT-35C	DCT-60	DCT-60C
Input voltage	V	200/220±10%	200±10%	200/220±10%	200±10%
Number of phase		Three (single) phase		Three (single) phase	
Frequency	Hz	50/60 shared		50/60 shared	
Rated input	kVA	6.5 (5.5)	6.8 (5.8)	10.7 (8.4)	11.1 (8.8)
	kW	5.2 (3.9)	5.7 (4.4)	9.3 (6.2)	9.8 (6.7)
Rated output curr.	A	35 (25)		60 (40)	
Rated load voltage	V	130		140 (135)	
Output curr. range	A	10~35 (10~25)		10~60 (10~40)	
No-load voltage	V	306V	278V	306V	278V
Rate duty cycle	%	60	40 (60)	60	40 (60)
Dimension	mm	200×405×304	200×405×511	200×405×304	200×405×511
Mass	kg	12	23	15	26
Power supply	Sat.	CT-0351		CT-0601	
Rated current	A	35		60	
Duty cycle	%	60		60	
Cooling method		Air cooling		Air cooling	
Cable length	m	10		10	
Gas used		Air		Air	

※ () The numbers in parentheses are when using external air Power supply

● Standard accessories

Power supply	DCT-35	DCT-35C	DCT-60	DCT-60C
Female hose nipple	1 (MH8-¼ PT)	—	1 (MH8-¼ PT)	—
Horse band	1	—	1	—
Shoulder belt/	1	—	1	—
Base metal side cable	1 (5m)	1 (5m)	1 (5m)	1 (5m)
Cutting torch	CT-0351	CT-0601		
Cup	1 (H705F03)	1 (H669G04)		
Tip	3 (H705F04)	3 (H669G06)		
Electrode	3 (H705F05)	3 (H669G11)		
Finger guard	1 (H999M01)	1 (H1443H02)		
Ring	1	1		

※ Air hose connection parts

● Optional part

■ 15m cutting torch (angle type)

Part #	Machine type
CTL-0351	DCT35(C)用
CTL-0601	DCT60(C)用

■ Air unit

Part #	Machine type
K8207C00	DCT35C用
K8207B00	DCT60C用

■ 10m cutting torch (pencil type)

Part #	Machine type
CTP-0351	DCT35(C)用

■ Gouging tip

Part #	Machine type
H1443H01	CT-0601用

■ Plasma cutting tools

① Circular guide (R 40 – 250mm)

Part #	Machine type
0302-001	CT-0351用
0601-001	CT-0601用

② Torch guide

Part #	Machine type
0302-010	CT-0351用
0601-010	CT-0601用

■ Gouging guide

Part #	Machine type
K8247B00	CT-0601用



*Angle & height

■ Torch parts

		Cup	Tip	Electrode
CT-0351	Std	H705F03	H705F04	H705F05 (Std)
	Long		H999K01	H999K02
CT-0601	Std	H669G04	H669G06 (S Tip)	H669G11 (Std)
			H669G05 (H Tip)	H1443J00 (HD)
	Long		H1008K01 (S Tip)	H1008K03
			H1008K02 (H Tip)	

※ Plasma cutting tools cannot be used when using long tips and long electrode

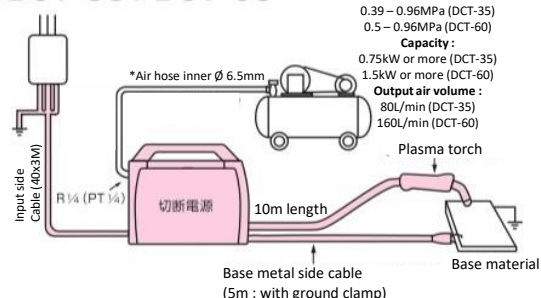
※ H Tip is used for cutting thick plates of 12 mm or more

* S Tip (medium/thin plate) H Tip (medium/thick plate)

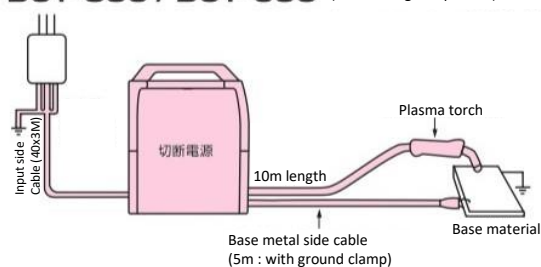
● Connection diagram

This color is the standard component

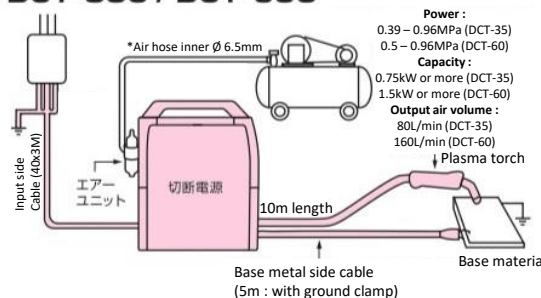
DCT-35 / DCT-60



DCT-35C / DCT-60C (When using compressor)



DCT-35C / DCT-60C (When using external air)



(Note) When using an engine generator, use a capacity that is at least twice the rated capacity (at least three times when using single phase).
(Note) Do not cut near highly flammable or combustible material such as gasoline, oil, paint thinner, etc. Doing so may cause a fire.

溶接機に関するお問い合わせは

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https://www.daihen.co.jp/products/welder/

ダイヘンYouTube公式チャンネル



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品質マネージメントシステムの
国際規格ISO9001を
取得しています。

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