

Heavy gear drilling machines with tapping device for industrial use. DH 55V with infinitely variable speed control

Facts that impress in terms of quality, performance and price

- ▶ Heavy, solid cast design
- ▶ Dirt/water-resistant, easy-to-clean membrane keyboard
- ▶ 24V DC Electronics
- ▶ Electrically controlled sleeve feed
- ▶ Drill depth stop
- ▶ Automatic gearwheel lubrication via oil pump
- ▶ Thread tapping device
- ▶ Generously dimensioned, height adjustable protective screen with safety switch for greatest possible user protection
- ▶ Largely dimensioned, solid drilling table, precisely machined with three parallel T-slots and all-round cooling water channel, heavily ribbed on the rear side, $\pm 90^\circ$ sideways tiltable
- ▶ Cooling unit and coolant tank, can be removed for easier and complete emptying
- ▶ Integrated push-out tool
- ▶ Machine lamp integrated in drilling head
- ▶ Chip filter in line with Machinery Directive

- ▶ Robust, thick-walled cast-iron column for excellent force absorption
- ▶ Solid base plate with two parallel T-slots, precision surface finish

OPTIdrill DH 55V

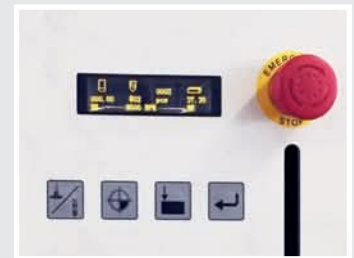
- ▶ Infinitely variable speed control
- ▶ Feed deactivation programmable
- ▶ Easily readable digital display
- ▶ Digitally adjustable drilling and thread depth
- ▶ Digital zero point adjustable



Fig.: DH 55G

Fig.: DH 55V

Arguments,...



DH 55V

STATE-OF-THE-ART OPERATING CONCEPT

- › Easily readable digital display for speed, drilling depth, tapping depth and piece counter
- › Feed deactivation via depth setting



DH 55V

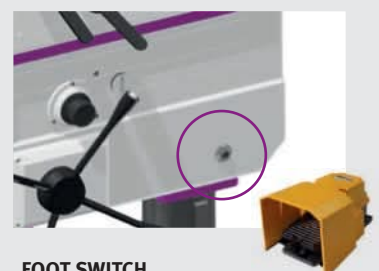
SIEMENS SINAMICS G110M

- › Decentralised inverter with high degree of protection (up to IP66), modular design, consisting of control unit and power module.
- › With EMC filter integrated as standard



TABLE HEIGHT ADJUSTMENT

- › motorised or mechanical



FOOT SWITCH

- › Possibility to connect the optional foot switch for switching between clockwise/anticlockwise rotation and for thread cutting (article no. 3050032) available.

Technical specifications, accessories and dimensions

Model	DH 55G	DH 55V*
Article no.	3034265	3034267
Power		
Electrical connection	400 V / 3 Ph ~50 Hz	
Motor power	2.2 / 2.8 kW	2.8 kW
Coolant pump motor	100 W	
Drilling performance		
Drilling performance in steel (S235JR)	Ø 55 mm	
Continuous drilling performance in steel (S235JR)	Ø 50 mm	
Thread tapping in steel (S235JR)	M42	
Spindle		
Spindle sleeve stroke	190 mm	
Spindle seat	MT 4	
Throat	400 mm	
Automatic spindle sleeve feed	3 stages: 0.1 / 0.15 / 0.2 mm/rev	
Rotational speeds		
Spindle speeds	45 - 2 000 rpm	10 - 3 000 rpm
Number of speeds	16 stages	4 stages Electronically controlled
Drilling table		
Drilling table workspace L x W	600 x 600 mm	
T-slot size / spacing / count	18 mm / 160 mm / 3	
Drilling table load bearing capacity	350 kg	
Drill table rotation / tilting sideways	360° / ± 90°	
Clearance spindle - drilling table	130 - 725 mm	
Machine base		
Machine base work area L x W	515 x 570 mm	
T-slot size / spacing / count	18 mm / 150 mm / 2	
Clearance spindle - machine base	max. 1 300 mm	
Dimensions and weight		
Column diameter	Ø 200 mm	
Length x width	850 x 1 060 mm	
height	2 500 mm	2 545 mm
Net weight	850 kg	907 kg

Scope of delivery

- › Quick-action drill chuck 1 - 16 mm
- › Taper mandrel for drill chuck MT 4 / B16

Accessories

Designation	Article no.
Quick-action drill chuck with MT4 mount, 1 - 16 mm	3050574
Twist drill bits HSS-CO 5%, 1- 13 mm, 25 parts	3201010
Twist drill bits HSS-CO 5%, 6- 10 mm, 41-part	3201021
Adapter MT 4-MT 3	3050664
Adapter MT 4-MT 2	3050665
Clamping tool assortment SPW 16, 58-part	3352019
Hold-down clamp 14 mm/M 12	3352031
Thermdrill Basic Set	3060004
Foot switch	3050032

for thread tapping and toggling right-handed/left-handed rotation

More **Accessories** and **Information** on accessories from page 65

For a large selection of **machine vises**, see from page 65

Coolant accessory see page 65

*Note: The machines comply with (frequency converter) the DIN EN 55011 standard: class C2
Important information on the operation of machines with frequency inverters see page 65

Dimensions

