

TECHNICAL DATASHEET CNC – Machining Centre

manufacturer	DMG
type	DMF 360
built	2005
control	SINUMERIK 840 D-powerline



Travels

X-axis (column longitudinal)	3.600 mm	Without dividing wall
X-axis (column longitudinal)	2 x 1.450 mm	With dividing wall
Y-axis	920 mm	
Z-Achse (vertical)	820 mm	

table

Clamping size	4.200 x 900 mm
max. table load (central on the table)	4.200 kg
Clamping slots	8 x 14 H12 mm
Direction slot in table centre	1 x 14 H7 mm

Milling spindle

Max. power (40% ED)	35	kW
max. torque (40% ED)	130	Nm
max. speed	12.000	min-1
Tool taper	HSK 63	

Feed, rapid feed

feed range in X-Y-Z-axis	1 – 20.000	mm/min
Rapid feed in X-axis	100	m/min
rapid feed in Y-Z-axis	60	m/min
Feed power in Y- and Z-axis: AC servo motor		
Feed power in X-axis: Synchron-linear motor		

Tool magazine, Tool changer

number of places	126
tool taper	HSK 63

Machine dimensions

Space requirement	ca.11 x 4,2 x 3,3	m
machine weight	ca. 29.500	kg
Total weight	ca. 33.150	kg

Equipment & Accessories

- Control SINUMERIK 840 D powerline
- Electronical handwheel
- Spindle 12.000 1/min HSK-A63
- Shelf wall magazine with 126 tool places
- working dividing wall
- automatic doors
- hydraulic clamping device with max. 240 bar, clamping pressure supply line for each table side, prop-valve technology
- oil and emulsion exhausting
- laser tool measurement - can only be used as drill breakage control
- NC dividing attachment RW/NC 220 with horizontal swivelling axis
- Coolant equipment with high pressure pump 40/80 bar for internal cooling, coolant lubricant temperature control
- Paper band filter for internal coolant supply
- Scraper tape chip conveyor
- RENISHAW infrarot probe system with 3-D-touch probe
- Flushing gun
- Spindle cooling unit KGL 6
- Working area closed at top
- Machine ON: 42.700 h, spindle ON: 14.100 h