

METAL

FEIN single-station high frequency converters

- ▶ HFS 17-30
- ▶ HFS 27-30



**Simple – portable – cost-effective:
Industrial high frequency grinding with FEIN.**





Superior grinding performance, longer service life, greater mobility.

Wherever normal frequency machines reach their limits, FEIN high frequency angle and straight grinders provide a high-performance alternative, proven over decades of use. You will profit from over 50 years of experience and expertise in high frequency technology. With FEIN high frequency power tools, even the toughest grinding challenges are easily mastered.

The new FEIN single-station converters can now be operated in locations where, until now, the technology was cost-prohibitive. For example, at individual work stations without high frequency power or in mobile applications. No installation costs, no major investment! All you need is a regular 220 V power supply.



Two converters – the same benefit: High frequency grinding for everyone – any time, any place.

The FEIN HFS 17-300 and HFS 27-300 single station converters make industrial high frequency grinding easy, cost-effective and mobile for everyone. Now, individual high frequency grinders can also be used in locations where permanent high frequency solutions are cost-prohibitive.

With the new FEIN single station converters, you will benefit from the advantages of high frequency grinding technology in industrial grinding applications of every kind. Especially ideal on construction sites, but also well-suited to smaller foundries, as well as shipbuilding, steel construction, boiler and tank fabrication.

HFS 17-300



HFS 27-300



Model

HFS 17-300

HFS 27-300



Two versions – unique advantages:

- ▶ Usable where 220 V power is available
- ▶ No installation costs
- ▶ Rapid pay-back due to straightforward investment
- ▶ Easy to carry, flexible in use
- ▶ Robust casing, sealed components
- ▶ Outstanding service life
- ▶ Protection class IP 44

Voltage			
– Input (16amp fuse, type C automatic)	V	220 – 230	220 – 230
– Output	V (3~)	200	200
Frequency			
– Input	Hz	50 – 60	50 – 60
– Output	Hz	300	300
Power consumption	W	1,830	2,900
Power output	W	1,700	2,700
Operator protection		PSU	PSU
Protection class		IP 44	IP 44
Cord with plug	ft (m)	9.8 (3)	9.8 (3)
Outlet	CEE	16A, 10h, 3 P+E	16A, 10h, 3 P+E
Weight (EPTA)	lbs (kg)	13 (5.9)	18.3 (8.3)
Part number		9 330 01	9 330 02

Durable, wear-resistant, high performance: FEIN high frequency grinders.

In addition to the new single station converters, FEIN brings you a wide selection of extremely durable angle and straight grinders for tough industrial use. Built with lasting FEIN quality, these tools perform reliably for years, even in continuous use.

Through ongoing technical development, FEIN has achieved a 15% power increase! Naturally, FEIN high frequency power tools can also be effortlessly integrated into current or future high frequency systems.

FEIN high frequency angle and straight grinders



Model	compatible with	Frequency Hz	Voltage V (3~)	Power consumption W	No-load speed rpm	Cord with plug (16A, 10h, 3 P+E) ft	Weight (EPTA) lbs (kg)	Spindle thread	Grinding disc Ø in	Elast. backing pad Ø in	Collet Ø in	Grinding disc max. in	Part number	
MSf 842-2c	HFS 17-300 / HFS 27-300	300	200	800	7100	16	6.4 (2.9)	5/8-11	5	5	-	-	7 820 51 95	
MSf 843-1c		300	200	1100	6500	16	7.9 (3.6)	5/8-11	5	5	-	-	7 820 85 95	
MSfo 849-1c		300	200	1500	6150	16	11.2 (5.1)	5/8-11	7	7	-	-	7 820 80 95	
MSfo 852-1d	HFS 27-300	300	200	1900	8500	16	13.0 (5.9)	5/8-11	7	7	-	-	7 820 73 95	
MSfov 852-1		300	200	1900	8800	16	11.5 (5.2)	5/8-11	5	-	-	-	7 820 83 95	
MSfo 869-1d		300	200	3100	8600	16	16.3 (7.4)	5/8-11	7	7	-	-	7 820 65 95	
MSfo 852-1c		300	200	1900	6400	16	13.9 (6.3)	5/8-11	9	7	-	-	7 820 71 95	
MSfo 869-1c		300	200	3100	6500	16	17.0 (7.7)	5/8-11	9	7	-	-	7 820 62 95	
Price includes: 1 Anti-vibration handle														
MSho 840-2		HFS 17-300 / HFS 27-300	300	200	360	18000	16	4.6 (2.1)	-	-	-	1/4	2	7 823 03 95
MSh 843-1			300	200	1100	18000	16	6.6 (3.0)	-	-	-	1/4	1 1/2	7 823 19 95
MSho 849-1Z	300		200	1500	18000	16	8.6 (3.9)	-	-	-	1/4	2	7 823 20 95	
MShyo 852-4a	HFS 27-300	300	200	1900	5800	16	12.6 (5.7)	M 12	-	-	-	5 x 32/28	7 824 40 95	
MShyo 852-3a		300	200	1900	10200	16	12.3 (5.6)	M 12	-	-	-	5 x 32/28	7 824 39 95	

Benefits

- ▶ Robust design for outstanding service life, even in the toughest environments
- ▶ High removal rate and torque
- ▶ Minimum wear on rotating components
- ▶ Low maintenance and repair costs
- ▶ Cost-effective grinding performance

FEIN high frequency power tools possess large power reserves. Typically, they are approximately 100% greater than the rated value. Perfect for continuous operation in the toughest conditions.



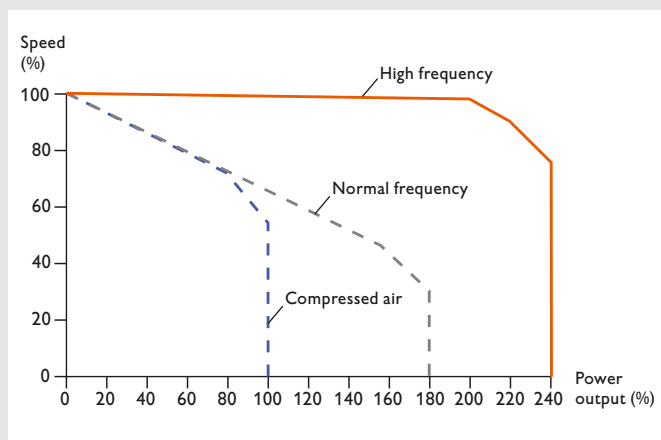
FEIN high frequency solutions: Convincing – right down the line.

Only high frequency power tools allow the toughest grinding demands to be handled effortlessly. Compared with machines that utilize normal frequencies, FEIN high frequency technology offers a distinct power advantage and much longer service life.

The new FEIN single station converters introduce flexibility to everyday industrial operations: they are robust and yet easy to carry. They function on any 220 V supply – and they can be used cost-effectively at any individual work station.

High frequency – a superior system.

A frequency converter transforms normal 50/60 Hz to 300 Hz. This results in higher speed. Motor power increases in proportion to the higher frequency. The motor encapsulation is dust-proof and by design, FEIN high frequency power tools have no current-carrying parts subject to wear! Benefits: FEIN high frequency power tools are extremely durable and can handle continuous use, even under the toughest conditions.



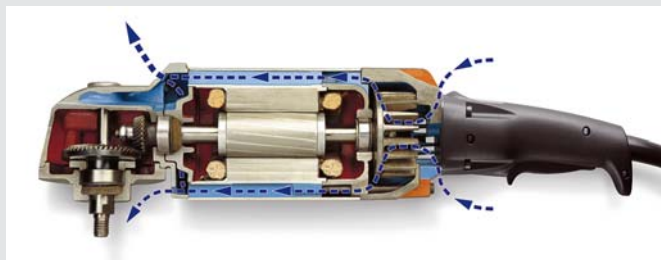
Consistently more power using high frequency: 100 percent efficiency, across practically the entire power range.

FEIN high frequency to go.

Now, with the new FEIN single station converters, use of FEIN high frequency tools pays off, even at individual work stations. This opens up completely new possibilities for the metal-working industry. From now on, individual high frequency workstations can be rapidly set up at practically any location.



Cost-effective, portable, flexible: FEIN high frequency solutions can now be implemented anywhere.



Totally reliable, powerful and low-maintenance due to a design that eliminates current-carrying parts that are subject to wear and a dust-proof, encapsulated motor with surface cooling.

FEIN high frequency benefits

- ▶ Robust design for reliability under continuous use
- ▶ High speed stability for consistent removal rate
- ▶ Up to 30% faster removal rate compared to normal frequency
- ▶ Outstanding cost-effectiveness
- ▶ Portability ensures maximum flexibility
- ▶ More favorable operating and energy costs than compressed air



FEIN – Specialist in durable power tools.

FEIN is the specialist, when extremely reliable, professional power tools and special applications solutions are called for in the metal fabrication, interior construction and the automotive industries. As the inventor of the electric hand drill, FEIN has developed innovative and unbeatably efficient, professionally-oriented solutions for over 140 years. In industrial and trade use, they prove themselves in the toughest continuous applications. www.fein.com

**Do you still have questions? Or would you like to test the new FEIN single station converter?
Your specialty distributor will be happy to help:**

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