





MEDIUM SIZED MOTOR SPINDLES *MITTLERE MOTORSPINDELN*

Ø 60mm - 150mm / **HF 60 A/D/S 60 - HF 150 A 24 P**

				HF 60 A/D/S 60 HT 60 A/D/S 60	HF 62 A 60 P	HF 62 A 70 P	HF 62 A 80 P	HF 80 A 20	HF 80 A/D/S 40 HT 80 A 40 **	HF 80 D 15 P** HF 80 D 30 P	HF 100 A/S 40	HF 100 A/D/S 45 HT 100 A/D/S 45	HF 100 A/DI/SI 50	HF 110 A 30 HT 110 A 30	HF 120 A/D/S 24 P	HF 120 A/DI/SI 36 HT 120 A/DI/SI 36	HT 120 A 72	HF 140 A/DI/SI 30 HT 140 A/DI/SI 30**	HF 150.2 A 24 P
Speed <i>Drehzahl</i>	Oil-air <i>Öl-Luft</i>	C	RPM <i>min⁻¹</i>	80'000				24'000	50'000		40'000	50'000	60'000	35'000		42'000	70'000	36'000	
	CC-grease <i>CC-Fett</i>	CCP	RPM <i>min⁻¹</i>	70'000		70'000			50'000		38'000	45'000	45'000		30'000	32'000		25'000	
	Grease <i>Fett</i>	CP	RPM <i>min⁻¹</i>	60'000	60'000	60'000	80'000	20'000	40'000	30'000	30'000	40'000	40'000	28'000	24'000			50'000	20'000
HF Asynchronous motor <i>Asynchronmotor</i>	Power <i>Leistung</i>	S6-40%	kW	1.7	2.6	1.2*/2.0	1.3	1.7	2.5/3.2/4.3	1.5/1.7	7.8	4.8/7.8	5.8	10.5	7.8/16.9	7.8/16.9		18.2/32.5	18.2
		S1-100%	kW	1.3	2.0	0.9*/1.5	1.0	1.3	1.9/2.5/3.3	1.15/1.3	6.0	3.7/6.0	4.5	8.0	6.0/13.0	6.0/13.0		14.0/25.0	14.0
	Torque <i>Drehmoment</i>	S6-40%	Nm	0.27	0.43	0.20/0.33	0.15	0.8	0.8	0.95/1.4	2.1	2.1/3.1	1.1	8.0	3.6/6.3	3.6/6.3		9.9/13.2	9.9
		S1-100%	Nm	0.21	0.33	0.15/0.25	0.12	0.6	0.6	0.73/1.1	1.6	1.6/2.4	0.8	6.1	2.8/4.8	2.8/4.8		7.6/10.1	7.6
HT Synchronous motor <i>Synchronmotor</i>	Power <i>Leistung</i>	S6-40%	kW	4.2					4.3			9.1		18.2		19.2	9.1/15.0	28.6	
		S1-100%	kW	3.2					3.3			7.0		14.0		14.0	7.0/11.5	22.0	
	Torque <i>Drehmoment</i>	S6-40%	Nm	0.57					2.1			5.4		15.6		15.6	2.6/4.8	23.4	
		S1-100%	Nm	0.43					1.6			4.1		12.0		12.0	2.0/3.7	18.0	
Qty. of bearings / Anzahl der Kugellager				4		2 / 3 / 4		3 / 4		4									
Cone <i>Konus</i>	HSK	K						E32	C/E25 F32		C/E32 F40	C/E32 F40		E40 F50	C/E40 F50		E25	E40 A/C/E50 F63	A/T40
	SKI		16					20					25			30			
	(B)BT / SK	B																	
	Capto	Y																	
	Collet <i>Spannzange</i>	S	ER16	P10	P9			ER16	ER25	ER20	D20	ER25			ER32				
Grinding arbor <i>Schleifdorn</i>	D	M10/Ø11					M10/Ø11	M10/Ø23/38	M16/Ø18		M10/Ø11	M22/Ø23		M22/Ø23					
Spindle Ø <i>Spindel Ø</i>		mm	60	61.9	61.9	61.9	80	80	80	100	100	100	110	120	120	120	140/160	150	
Spindle length <i>Spindellänge</i>		mm	216.5	249.5	239.5	239.5	323	298	263	332.5	332.5	298.5	460.9	380	380.5	309	419	475.5	
Spindle weight <i>Spindelgewicht</i>		kg	3.7	4.4	3.7	3.7	7.3	7.3	7.1	13.8	11.1	12	24.1	21	22.5	28.5	31.8	44.3	
Spindle cooling <i>Spindelkühlung</i>			liquid / Flüssigkeit			optional			liquid / Flüssigkeit										
Options <i>Optionen</i>			H-I-P-V-W	P	P	P	F-G-H-K P-W	F-G-H-H-K Mn-P-V-W	P	F-G-H-H-K Mn-P-V-W	F-G-H-H-K Mn-P-V-W	F-G-H-H-K Mn-P-V-W	B-F-G-H-I K-P-V-W	B-F-H-H-K-P-V	F-G-H-H-H-K Mn-P-V-W	F-H-H-K-P-V	F-G-H-H-K Mn-R-P- V-W	F-G-H-H-I3- R-P-V-W	
Encoder / Drehgeber		V	optional		OpenLoop		optional			optional				CloseLoop					

***The heat must be dissipated via spindle holder. Maximum external housing temperature 60°C. / **Spindle motor with reduced speed.**

**Die Wärmeableitung muss über den Spindelhalter erfolgen. Maximale Gehäusetemperatur 60°C. / **Spindelmotor mit reduzierter Drehzahl.*