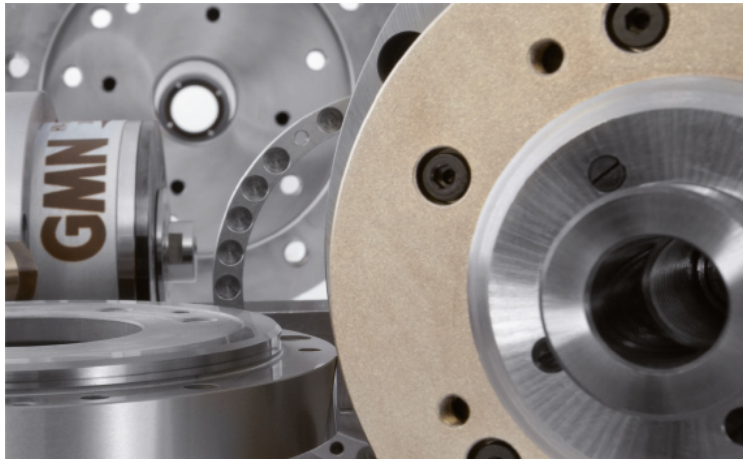


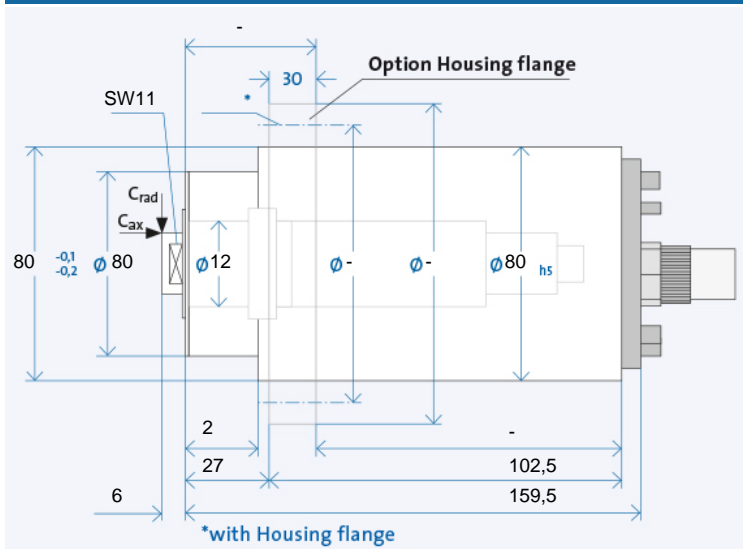
HS 80 - 120000/1.1



| Technical data | | |
|---------------------------------|---------------|----------------------|
| ∅ Spindle housing | A | [mm] |
| Speed max. | n_{max} | [min ⁻¹] |
| Bearing; front | W_1 | [mm] |
| Tool interface | | |
| ∅ Flat layout | W | [mm] |
| Static rigidity | | |
| axial | C_{ax} | [N/μm] |
| radial | C_{rad} | [N/μm] |
| Motor realization | | |
| Frequency max. | f_{max} | [Hz] |
| Converter voltage ¹⁾ | | [V] |
| Power | P_{S1} | [kW] |
| Torque | M_{S1} | [Nm] |
| ... at speed | n | [min ⁻¹] |
| Current | I_{S1} | [A] |
| Power | $P_{S6-60\%}$ | [kW] |
| Torque | $M_{S6-60\%}$ | [Nm] |
| ... at speed | n | [min ⁻¹] |
| Current | $I_{S6-60\%}$ | [A] |

| HS 80 - 120000/1.1 | | |
|--------------------|---|---|
| 80 | | |
| 120000 | | |
| 12 | | |
| D 06/12 | | |
| 12 | | |
| 11 | | |
| 21 | | |
| 200 V | - | - |
| 2000 | | |
| 200 | - | - |
| 0,95 | | |
| 0,0756 | | |
| 120000 | | |
| 5,4 | - | - |
| 1,1 | | |
| 0,0875 | | |
| 120000 | | |
| 6,5 | - | - |

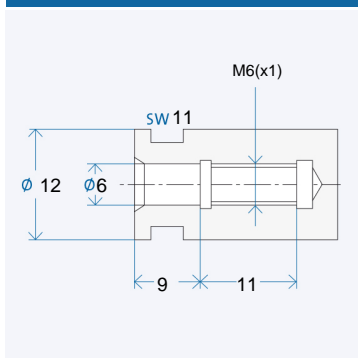
TECHNICAL DATA



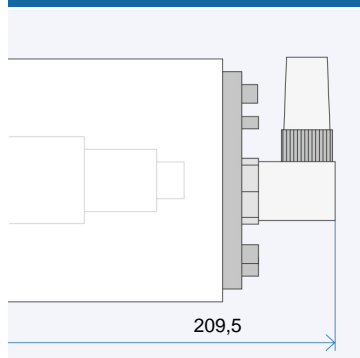
| Electrical connection | | |
|---------------------------------|--|--|
| Plug type | | |
| Straight plug connection | | |
| Coil plug connector | | |
| Fixed cable XXm | | |
| Coolant feed through the shaft | | |
| Low pressure (du) | | |
| High-pressure (dh) | | |
| Sensors | | |
| Rotary encoder | | |
| Speed sensor | | |
| Housing | | |
| Cylindrical housing | | |
| Cylindrical housing with flange | | |
| Block housing | | |
| Air-tight seal | | |

| | | |
|----|---|---|
| GA | - | - |
| + | - | - |
| x | - | - |
| o | - | - |
| o | | |
| - | | |
| - | | |
| + | | |
| x | | |
| x | | |
| x | | |

FIT HOLES WITH FLAT LAYOUT



ANGLED PLUG OPTION

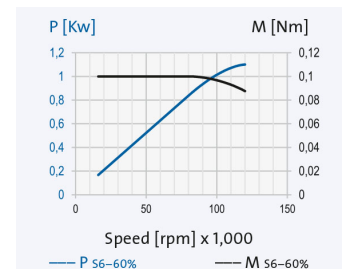


¹⁾ Minimum required starting voltage for the frequency converter.

- + Standard
- o Optional
- x Upon request

Ordering information:

HS 80 - 120000/1.1
 R is for clockwise, L for counter-clockwise
 + Desired options



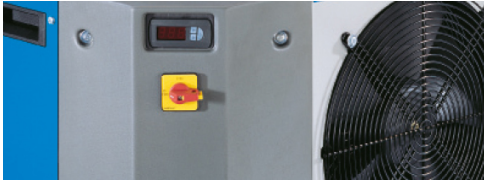
The data currently provided on the internet apply. Further and detailed information is provided in the GMN 2508 catalogue.

HS 80 - 120000/1.1



Lubrication system

The electronically controlled PRELUB lubrication unit is optimally adapted to the oil-air lubricated GMN spindles and guarantees a long service life.



Cooling system

GMN cooling units ensure precisely adjustable temperature and quantity delivery of the coolant and achieve consistently low operating temperatures.



Cable and plug

Ready-made cables with B048, B049, GA, MAC, D500 and STK plugs are available on request. For the spindle/converter connection, GMN supplies UL/CSA approved electrical cables suitable for use in drag chains.