

## 5060 AC-C5-60-30-TP



Abb. ähnlich | Fig. similar

Bestell-Nr. | Part No.

2003 4075

|                                                  |                                                                                                                                                             |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Anwendungen                                      | Bohren, Fräsen, Schleifen, Gravieren                                                                                                                        |
| Drehzahlbereich                                  | 6.000 – 60.000 min <sup>-1</sup>                                                                                                                            |
| Leistung                                         | S1: 3.000 W, max. 3.600 W                                                                                                                                   |
| Gehäusedurchmesser                               | 60 mm                                                                                                                                                       |
| Motorart                                         | 3 Phasen-Asynchronmotor                                                                                                                                     |
| Frequenz                                         | 100 – 1.000 Hz                                                                                                                                              |
| Spannung                                         | 180 V                                                                                                                                                       |
| Strom                                            | S1: 13,5 A, max. 27 A                                                                                                                                       |
| Drehmoment                                       | S1: 55 Ncm, max. 120 Ncm                                                                                                                                    |
| Motorschutz                                      | PTC                                                                                                                                                         |
| Gewicht                                          | 3,2 kg                                                                                                                                                      |
| Lagerung                                         | 3 x Hybrid, lebensdauergeschmiert                                                                                                                           |
| Rundlauf (Kegel)                                 | ≤ 1,5 µm                                                                                                                                                    |
| Spannzangenbereich                               | Ø 1,0 – 6,0 mm (inkl. 1/8" + 1/4")                                                                                                                          |
| Spannzangentyp                                   | C5                                                                                                                                                          |
| Werkzeugwechsel                                  | Pneumatisch 4 bar<br>(Schlauch Ø 6 mm)                                                                                                                      |
| Kühlsystem                                       | Kühlung durch Einspannvorrichtung                                                                                                                           |
| Schutzart                                        | IP 55                                                                                                                                                       |
| Geschützt gegen Schmutz<br>und Kühlschmiermittel | Sperrluft 30 NI/min<br>(Schlauch Ø 6 mm)                                                                                                                    |
| Gehäusematerial                                  | Edelstahl                                                                                                                                                   |
| Kabel / Steckertyp                               | 915 – 7P                                                                                                                                                    |
| Umrichterempfehlung                              | e@syDrive® 4638, CONTROL TECHNIQUES<br>Unidrive HS30*                                                                                                       |
| Besonderheiten                                   | <ul style="list-style-type: none"> <li>• Automatische Kegelreinigung</li> <li>• Spannzangenanschlag</li> <li>• Antastfunktion mit Pneumatik 4bar</li> </ul> |

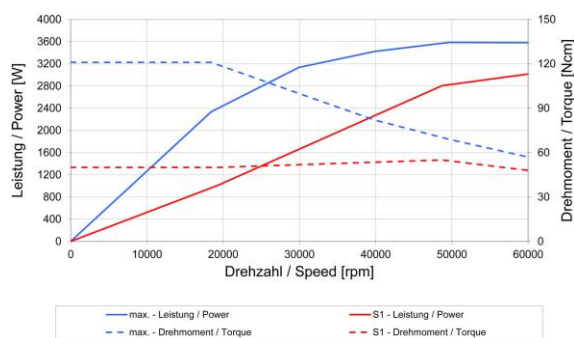
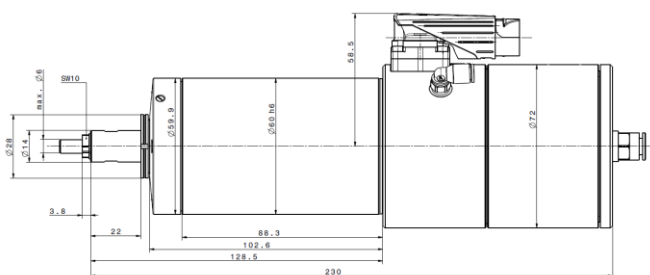
\*reduzierte Leistung

Änderungen vorbehalten

|                                                 |                                                                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                                    | Drilling, Milling, Grinding, Engraving                                                                                                        |
| Speed range                                     | 6,000 – 60,000 rpm                                                                                                                            |
| Output power                                    | S1: 3,000 W, max. 3,600 W                                                                                                                     |
| Housing diameter                                | 60 mm                                                                                                                                         |
| Motor system                                    | 3 Phase asynchronous motor                                                                                                                    |
| Frequency                                       | 100 – 1,000 Hz                                                                                                                                |
| Voltage                                         | 180 V                                                                                                                                         |
| Current                                         | S1: 13.5 A, max. 27 A                                                                                                                         |
| Torque                                          | S1: 55 Ncm, max. 120 Ncm                                                                                                                      |
| Motor protection                                | PTC                                                                                                                                           |
| Weight                                          | 3.2 kg                                                                                                                                        |
| Bearing system                                  | 3 x Hybrid, lifetime lubrication                                                                                                              |
| Run-out (taper)                                 | ≤ 1.5 µm                                                                                                                                      |
| Chuck clamping range                            | Ø 1.0 - 6.0 mm (incl. 1/8" + 1/4")                                                                                                            |
| Chuck type                                      | C5                                                                                                                                            |
| Tool change                                     | Pneumatic 4 bar<br>(hose Ø 6 mm)                                                                                                              |
| Cooling system                                  | Cooling via clamping bracket                                                                                                                  |
| Protection category                             | IP 55                                                                                                                                         |
| Protected against dirt<br>and cooling lubricant | Sealing air 30 l/min@STP<br>(hose Ø 6 mm)                                                                                                     |
| Housing material                                | Stainless steel                                                                                                                               |
| Cable / plug type                               | 915 – 7P                                                                                                                                      |
| Inverter recommendation                         | e@syDrive® 4638, CONTROL TECHNIQUES<br>Unidrive HS30*                                                                                         |
| Highlights                                      | <ul style="list-style-type: none"> <li>• Automatic taper cleaning</li> <li>• Collet stop</li> <li>• Touch Probe via 4bar pneumatic</li> </ul> |

\*reduced output power

Subject to change without notice



## Lieferumfang | Scope of delivery

| Bestell-Nr.   Part No. | Lieferumfang                                                              | Scope of delivery                                                            |
|------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------|
| 2.003.4075             | HF-Motorspindel 5060 AC-C5-60-30-TP<br>Spannzange C5 Ø6,0-DS25 (montiert) | HF-Motorspindel 5060 AC-C5-60-30-TP<br>Collet-Chuck C5 Ø6.0-DS25 (assembled) |

## Antastfunktion | Touch Probe

### Isolated contact in housing

Isolation between touch probe and spindle housing (GND)

- ➔ Conductive contact connected to M23 plug (usage of free pin)
- ➔ Modified cable necessary
- ➔ Spindle can be mounted to machine WITHOUT isolation between spindle housing and workpiece

