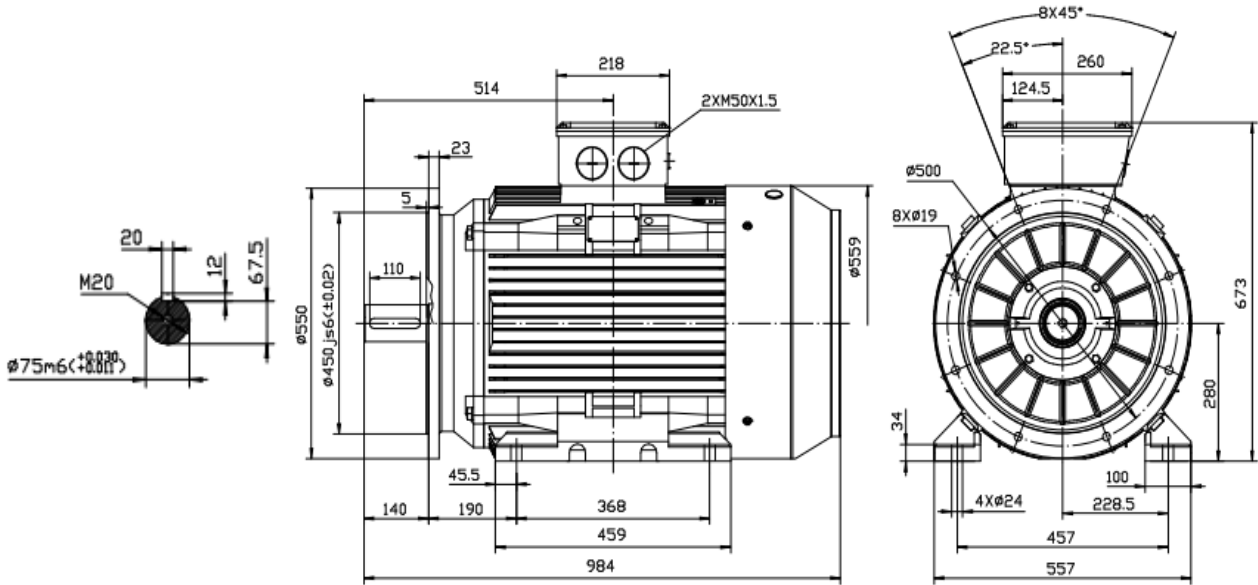


Drehstrommotor / Three-Phase Motor  
IE3 - 45 kW - 6 polig / 6 pole - B35



Typ / type **IE3 SEV- 280S-6**

|                                     |                  |                                           |
|-------------------------------------|------------------|-------------------------------------------|
| Gehäusematerial / frame material    |                  | Grauguss / cast iron                      |
| Ausführung / execution              |                  | Dreiphasen/ three phase                   |
| Baugröße / frame size               |                  | 280                                       |
| Leistung / power @50Hz              | kW               | 45,00                                     |
| Nennstrom / rated current @400V     | Δ                | 83,52                                     |
| Nennstrom / rated current @690V     | Y                | 48,42                                     |
| Drehzahl / speed @50Hz              | Upm / rpm        | 980                                       |
| Wirkungsgrad / efficiency           | <b>IE3</b>       |                                           |
|                                     | Eff.100%         | 93,70                                     |
|                                     | Eff.75%          | 94,60                                     |
|                                     | Eff.50%          | 92,70                                     |
| Leistungsfaktor / power factor cosφ | Last / load 100% | 0,83                                      |
| 60Hz 460/793V                       | Power(kW)        | 51,75                                     |
| 60Hz 480/830V                       | Power(kW)        | 54,00                                     |
| Drehzahl / speed @60Hz              | (r/min)          | 1176                                      |
| Normen / regulations                |                  | IEC / DIN / ISO / VDE / EN                |
| Standard / standard                 |                  | IEC 60034                                 |
| Umgebungstemperatur / ambient Temp. |                  | -20°C ~ +40°C                             |
| Aufstellungshöhe / altitude (max.)  |                  | 1000m über Meerespiegel / above sea level |

|                                                   |                                           |
|---------------------------------------------------|-------------------------------------------|
| Nenndrehmoment / rated torque                     | 438,52                                    |
| Anzugs- zu Nennmoment / start- to rated torque    | 2,5                                       |
| Kipp- zu Nennmoment / brakedown- to rated torque  | 2,8                                       |
| min. Dreh- zu Nennmoment / min- to rated torque   | 1,8                                       |
| Anzugs- zu Nennstrom / starting- to rated current | 8,9                                       |
| Lager / bearing (DE)                              | 6316C3                                    |
| Lager / bearing (NDE)                             | 6316C3                                    |
| Wellendichtung / shaft seal (DE/NDE)              | 80*100*10                                 |
| Hauptkabelverschraubung / main cable glands       | 2-M50*1.5                                 |
| Isolationsklasse / insulation class               | F                                         |
| Schutzart / protection degree                     | IP 55                                     |
| Thermischer Schutz / thermal protection           | 3*PTC                                     |
| Drehrichtung / rotation direction                 | rechts-links / clockwise-counterclockwise |
| Einschaltdauer / service duty                     | S1                                        |
| Wuchtung / balance                                | Halbkeilwuchtung / half-key balanced      |
| Kühlungsart / cooling                             | IC 411                                    |
| Lautstärke / noise dB(A)                          | 78                                        |
| Nettogewicht / net weight(kg)                     | 478,00                                    |
| Massenträgheitsmoment / moment of inertia (kg*m²) | 2,202740000                               |