

## Catalog designation

ST47 DRN71M4  
Helical-worm gearmotors S..DRN.. (IE3)

Click these icons for further information in Online Support



## Reference data

Transaction : 423788599  
Item : 100

## Product data

|                                |                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------|
| Speed [r/min]                  | : 1730 / 27                                                                                           |
| Total ratio [i]                | : 63,80 / finite                                                                                      |
| No. of teeth nom./denominator  | : 319/5                                                                                               |
| Ma max [Nm]                    | : 155                                                                                                 |
| Ta max [lb-in]                 | : 1.370                                                                                               |
| Output torque [Nm]             | : 102                                                                                                 |
| Output torque [lb-in]          | : 900                                                                                                 |
| Service factor SEW-FB          | : 1,50                                                                                                |
| Mounting position              | : M1A                                                                                                 |
| Term.box.pos.[°] / cable entry | : 180 (L) / normal                                                                                    |
| Lubricant / -volume [l]        | : CLP 680 Miner.Oil / 0,40                                                                            |
| Lubricant volume [US gal]      | : 0.11                                                                                                |
| Paint coat                     | : Top coat RAL5001 (green blue)                                                                       |
| <br>Gear unit                  | <br>: ST47                                                                                            |
| Hollow shaft                   | : 1.000 inch                                                                                          |
| Design                         | : Hollow shaft with Torqloc                                                                           |
| Safety cover                   | : Sheet metal fixed with gasket.                                                                      |
| Output oil seal                | : 2 oil seals                                                                                         |
| Breather variant               | : Standard                                                                                            |
| Delivery state                 | : Breather valve mounted                                                                              |
| Screw plug bore dimens. sheet  | : 27001__97                                                                                           |
| Documentation no. A            | : 31551629                                                                                            |
| Spare parts list               | : You can find the SWPL (spare and wearing parts list) under the serial number in the Online Support. |
| <br>Motor                      | <br>: DRN71M4                                                                                         |
| Motor power [kW]               | : 0.37                                                                                                |
| Motor power [HP]               | : 0.50                                                                                                |
| Motor frequency [Hz]           | : 60                                                                                                  |
| Cyclic duration factor S1-S10  | : S1                                                                                                  |
| Motor voltage [V] / conn. type | : 230/460 double star/star                                                                            |
| Nominal current [A]            | : 1,83 / 0,91                                                                                         |
| cos phi                        | : 0,62                                                                                                |
| Wiring diagram                 | : R76 / 680430506                                                                                     |
| Thermal cl.[°C]/Enclosure[IP]  | : 155(F) / 54                                                                                         |
| Service factor motor           | : 1.15                                                                                                |
| International efficiency class | : IE3                                                                                                 |
| Efficiency                     |                                                                                                       |
| at 50/75/100% Pn [%]           | : 74,3 / 77,7 / 78,5                                                                                  |
| Design specification           | : USA (UR) /Canada (CSA)                                                                              |
| CE mark                        | : No                                                                                                  |



|                               |                                                                                                                                                                                                             |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EISA identification           | : Yes, conform to EISA                                                                                                                                                                                      |
| K.V.A.code                    | : K                                                                                                                                                                                                         |
| Information                   | : When using this combination, the bending radius of the connection cable may be undershot, which might require a threaded elbow joint for the connection cable. Please contact SEW-EURODRIVE in this case. |
| Terminal box                  | : Terminal box lower part made of aluminum with tapped hole 2xNPT 1/2"                                                                                                                                      |
| CT speed range                | : 300-1800RPM                                                                                                                                                                                               |
| Documentation no. A           | : 25957074 26861313 30589460                                                                                                                                                                                |
| Spare parts list              | : You can find the SWPL (spare and wearing parts list) under the serial number in the Online Support.                                                                                                       |
| Nameplate                     | : English / Imperial units                                                                                                                                                                                  |
| Nameplate position            | : 270°                                                                                                                                                                                                      |
| Opera.instr. A lang./quantity | : English / 0                                                                                                                                                                                               |
| Parts list/language/quantity  | : English / 0                                                                                                                                                                                               |
| Commodity code                | : 85015100                                                                                                                                                                                                  |
| Weight                        | : 19.00 kg                                                                                                                                                                                                  |