

## Catalog designation

KA47 DRN100L4  
Bevel-helical gearmotors K..DRN.. (IE3)

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## Reference data

Transaction : 425915646  
Item : 100

## Product data

|                                |                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------|
| Speed [r/min]                  | : 1763 / 150                                                                                          |
| Total ratio [i]                | : 11,77 / infinite                                                                                    |
| Ma max [Nm]                    | : 280                                                                                                 |
| Ta max [lb-in]                 | : 2.480                                                                                               |
| Output torque [Nm]             | : 191                                                                                                 |
| Output torque [lb-in]          | : 1690                                                                                                |
| Service factor SEW-FB          | : 1,45                                                                                                |
| Mounting position              | : M4A                                                                                                 |
| Term.box.pos.[°] / cable entry | : 90 (B) / normal                                                                                     |
| Lubricant / -volume [l]        | : CLP 220 Miner.Oil / 2,00                                                                            |
| Lubricant volume [US gal]      | : 0.53                                                                                                |
| Paint coat                     | : Top coat RAL7031 (blue gray)                                                                        |
|                                |                                                                                                       |
| Gear unit                      | : KA47                                                                                                |
| Hollow shaft                   | : 30mm                                                                                                |
| Design                         | : Hollow shaft                                                                                        |
| Safety cover                   | : None                                                                                                |
| Breather variant               | : Standard                                                                                            |
| Delivery state                 | : Breather valve mounted in flange                                                                    |
| Screw plug bore dimens. sheet  | : 33140_09                                                                                            |
| Documentation no. A            | : 31978088                                                                                            |
| Spare parts list               | : You can find the SWPL (spare and wearing parts list) under the serial number in the Online Support. |
|                                |                                                                                                       |
| Motor                          | : DRN100L4                                                                                            |
| Motor power [kW]               | : 3                                                                                                   |
| Motor power [HP]               | : 4.0                                                                                                 |
| Motor frequency [Hz]           | : 60                                                                                                  |
| Cyclic duration factor S1-S10  | : S1                                                                                                  |
| Motor voltage [V] / conn. type | : 230/460 double star/star                                                                            |
| Nominal current [A]            | : 11,60 / 5,80                                                                                        |
| cos phi                        | : 0,73                                                                                                |
| Wiring diagram                 | : R76 / 680430706                                                                                     |
| Thermal cl.[°C]/Enclosure[IP]  | : 155(F) / 54                                                                                         |
| Service factor motor           | : 1.15                                                                                                |
| International efficiency class | : IE3                                                                                                 |
| Efficiency                     |                                                                                                       |
| at 50/75/100% Pn [%]           | : 87,6 / 89,3 / 89,5                                                                                  |
| Design specification           | : USA (UR) /Canada (CSA)                                                                              |
| CE mark                        | : No                                                                                                  |
| EISA identification            | : Yes, conform to EISA                                                                                |
| K.V.A.code                     | : M                                                                                                   |



|                               |                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------|
| Design                        | : NEMA A                                                                                              |
| Terminal box                  | : Terminal box lower part made of aluminum with tapped hole 1xNPT 3/4", 1xNPT 1/2"                    |
| CT speed range                | : 300-1800rpm                                                                                         |
| Documentation no. A           | : 25957074<br>26861313<br>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            | : 180°                                                                                                |
| Opera.instr. A lang./quantity | : English / 0                                                                                         |
| Parts list/language/quantity  | : English / 0                                                                                         |
| Commodity code                | : 85015220                                                                                            |
| Weight                        | : 52.12 kg                                                                                            |