

Catalog designation

SF47 DRN80MK4
Helical-worm gearmotors S..DRN.. (IE3)

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Reference data

Transaction : 424753923
Item : 100

Product data

Speed 50Hz [r/min] : 1435 / 58
Speed 60Hz [r/min] : 1745 / 70
Total ratio [i] : 24,77 / infinite
Ma max [Nm] : 155
Ta max [lb-in] : 1.370
Output torque 50Hz [Nm] : 74
Output torque 50Hz [lb-in] : 655
Output torque 60Hz [Nm] : 62
Output torque 60Hz [lb-in] : 550
Service factor SEW-FB : 2,10 / 2,30
Mounting position : M3A
Term.box.pos.[°] / cable entry : 180 (L) / normal
Lubricant / -volume [l] : CLP 680 Miner.Oil / 0,90
Lubricant volume [US gal] : 0.24
Paint coat : Top coat RAL7031 (blue gray)



Gear unit : SF47
Output shaft end : 25x50mm lg.
Output shaft design : with keyway/with key
Design : Flange-mounted version
Flange : 160mm
Breather variant : Standard
Delivery state : Breather valve mounted
Screw plug bore dimens. sheet : 27001__97
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 : DRN80MK4
Motor power [kW] : 0.55
Motor power [HP] : 0.75
Cyclic duration factor S1-S10 : S1
Multi range-voltage 50Hz [V] : 220-240 delta / 380-415 star
Nominal current [A] : 2,30 / 1,32
Multi range-voltage 60Hz [V] : 254-277 delta / 440-480 star
Nominal current [A] : 2,05 / 1,20
cos phi : 0,75 / 0,71
Wiring diagram : R13 / 680010506
Thermal cl.[°C]/Enclosure[IP] : 155(F) / 54
Service factor motor : 1.15
International efficiency class : IE3
Efficiency 50Hz

| | |
|-------------------------------|---|
| at 50/75/100% Pn [%] | : 78,6 / 81,0 / 80,8 |
| Efficiency 60Hz | |
| at 50/75/100% Pn [%] | : 78,1 / 81,0 / 81,5 |
| Design specification | : Europe (CE)/USA (UR)/Canada (CSA) |
| CE mark | : Yes |
| EISA identification | : Yes, conform to EISA |
| K.V.A.code | : L |
| Terminal box | : Terminal box lower part made of aluminum with tapped hole 1xM25, 1xM16 |
| 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 |
| Nameplate position | : 270° |
| Opera.instr. A lang./quantity | : English / 0 |
| Parts list/language/quantity | : English / 0 |
| Commodity code | : 85015100 |
| Weight | : 22.90 kg |