

Information

This product
- is a special design

Catalog designation

R107 DRN180M4
Helical gearmotors R..DRN.. (IE3)

Click these icons for further information in Online Support



Reference data

Transaction : 424690602
Item : 300

Product data

Speed 50Hz [r/min] : 1478 / 59
Speed 60Hz [r/min] : 1781 / 72
Total ratio [i] : 24,90 / finite
No. of teeth nom./denominator : 249/10
Ma max [Nm] : 4.300
Ta max [lb-in] : 38.100
Output torque 50Hz [Nm] : 2980
Output torque 60Hz [Nm] : 2470
Service factor SEW-FB : 1,45 / 1,75
Mounting position : M1
Term.box.pos.[°] / cable entry : 0 (R) / normal
Lubricant / -volume [l] : CLP 220 Miner.Oil / 6,00
Paint coat : Top coat RAL7031 (blue gray)



Gear unit : R107
Output shaft end : 70x140 mm lg.
Output shaft design : with keyway/with key
Breather variant : Standard
Delivery state : Breather valve mounted
Screw plug bore dims. sheet : 01001__96
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 : DRN180M4
Motor power [kW] : 18.5
Motor power [HP] : 25
Cyclic duration factor S1-S10 : S1
Multi range-voltage 50Hz [V] : 380-400 delta / 660-690 star
Nominal current [A] : 34,50 / 20,00
Multi range-voltage 60Hz [V] : 440-460 delta
Nominal current [A] : 30,00
Information : With 415V, 50Hz and 480V, 60Hz, data on a separate adhesive label
cos phi : 0,85 / 0,84
Wiring diagram : R13Q / 63033551.02
Connection set at factory : Delta
Thermal cl.[°C]/Enclosure[IP] : 155(F) / 55

Service factor motor	: 1.15
International efficiency class	: IE3
Efficiency 50Hz at 50/75/100% Pn [%]	: 92,8 / 93,1 / 92,6
Efficiency 60Hz at 50/75/100% Pn [%]	: 92,7 / 93,6 / 93,6
Design specification	: Europe (CE)/USA (UR)/Canada (CSA)
CE mark	: Yes
EISA identification	: Yes, conform to EISA
K.V.A.code	: K
Design	: NEMA A
Information	: When using this combination, difficult assembly of the drive or drive components is expected. Please check the selection and consult SEW EURODRIVE.
Terminal box	: Terminal box lower part made of aluminum with tapped hole 2xM40, 2xM16
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	: 85015230
Weight	: 299.92 kg