

Catalog designation

R47 DRN100LM4
Helical gearmotors R..DRN.. (IE3)

Click these icons for further information in Online Support



Reference data

Transaction : 424174210
Item : 100

Product data

Speed [r/min]	: 1762 / 141
Total ratio [i]	: 12,54 / infinite
Ma max [Nm]	: 250
Ta max [lb-in]	: 2.210
Output torque [Nm]	: 150
Service factor SEW-FB	: 1,65
Mounting position	: M1
Term.box.pos.[°] / cable entry	: 0 (R) / normal
Lubricant / -volume [l]	: CLP 220 Miner.Oil / 0,70
Paint coat	: Top coat RAL7031 (blue gray)
 Gear unit	 : R47
Output shaft end	: 1.250x2.36 inch
Output shaft design	: with keyway/with key
Output oil seal	: 2 oil seals
Breather variant	: Standard
Delivery state	: Breather valve mounted
Screw plug bore dimens. 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	 : DRN100LM4
Motor power [kW]	: 2.2
Motor power [HP]	: 3.0
Motor frequency [Hz]	: 60
Cyclic duration factor S1-S10	: S1
Motor voltage [V] / conn. type	: 230/460 double star/star
Nominal current [A]	: 8,40 / 4,20
cos phi	: 0,73
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 [%]	: 88,1 / 89,5 / 89,5
Design specification	: USA (with UR)
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 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	: 85015220
Weight	: 42.83 kg