

Catalog designation

R27 DRN90S4
Helical gearmotors R..DRN.. (IE3)

Click these icons for further information in Online Support



Reference data

Transaction : 425824959
Item : 100

Product data

Speed [r/min]	: 1762 / 267
Total ratio [i]	: 6,59 / infinite
Ma max [Nm]	: 106
Ta max [lb-in]	: 940
Output torque [Nm]	: 39
Output torque [lb-in]	: 345
Service factor SEW-FB	: 2,70
Mounting position	: M1
Term.box.pos.[°] / cable entry	: 270 (T) / normal
Lubricant / -volume [l]	: CLP 220 Miner.Oil / 0,25
Lubricant volume [US gal]	: 0.065
Paint coat	: Top coat RAL5001 (green blue)
Gear unit	: R27
Output shaft end	: 1.000x1.97 inch
Output shaft design	: with keyway/with key
Breather variant	: Gear unit closed
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	: DRN90S4
Motor power [kW]	: 1.1
Motor power [HP]	: 1.5
Motor frequency [Hz]	: 60
Cyclic duration factor S1-S10	: S1
Motor voltage [V] / conn. type	: 230/460 double star/star
Nominal current [A]	: 4,60 / 2,30
cos phi	: 0,69
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 [%]	: 83,5 / 86,1 / 86,5
Design specification	: USA (UR) /Canada (CSA)
CE mark	: No
EISA identification	: Yes, conform to EISA
K.V.A.code	: M
Design	: NEMA C
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	: 180°
Opera.instr. A lang./quantity	: English / 0
Parts list/language/quantity	: English / 0
Commodity code	: 85015220
Weight	: 21.45 kg