

Catalog designation

S77 DRN100L4
 Helical-worm gearmotors S..DRN.. (IE3)

Click these icons for further information in Online Support



Reference data

Transaction : 425555772A
 Item : 100

Product data

Speed [r/min]	: 1763 / 49
Total ratio [i]	: 35,94 / infinite
Ma max [Nm]	: 1.060
Ta max [lb-in]	: 9.380
Output torque [Nm]	: 515
Output torque [lb-in]	: 4560
Service factor SEW-FB	: 2,10
Mounting position	: M4B
Term.box.pos.[°] / cable entry	: 0 (R) / normal
Lubricant / -volume [l]	: CLP 680 Miner.Oil / 5,90
Lubricant volume [US gal]	: 1.55
Paint coat	: Top coat RAL7031 (blue gray)
Gear unit	: S77
Output shaft end	: 45x90mm lg.
Output shaft design	: with keyway/with key
Design	: Foot-mounted version
Breather variant	: Standard
Delivery state	: Breather valve mounted in flange
Screw plug bore dimens. sheet	: 02006_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	: 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) / 55
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 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	: 270°
Opera.instr. A lang./quantity	: English / 0
Parts list/language/quantity	: English / 0
Commodity code	: 85015220
Weight	: 83.21 kg