

Catalog designation

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

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Reference data

Transaction : 425555772A
 Item : 200

Product data

Speed 50Hz [r/min]	: 1456 / 41
Speed 60Hz [r/min]	: 1763 / 49
Total ratio [i]	: 35,94 / infinite
Ma max [Nm]	: 1.100
Ta max [lb-in]	: 9.740
Output torque 50Hz [Nm]	: 620
Output torque 50Hz [lb-in]	: 5490
Output torque 60Hz [Nm]	: 515
Output torque 60Hz [lb-in]	: 4560
Service factor SEW-FB	: 1,75 / 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
Cyclic duration factor S1-S10	: S1
Multi range-voltage 50Hz [V]	: 220-230 delta / 380-400 star
Nominal current [A]	: 11,50 / 6,60
Multi range-voltage 60Hz [V]	: 254-266 delta / 440-460 star
Nominal current [A]	: 10,10 / 5,80
cos phi	: 0,76 / 0,73
Wiring diagram	: R13 / 680010506
Thermal cl.[°C]/Enclosure[IP]	: 155(F) / 55
Service factor motor	: 1.15
International efficiency class	: IE3
Efficiency 50Hz at 50/75/100% Pn [%]	: 87,3 / 88,3 / 87,8



Efficiency 60Hz at 50/75/100% Pn [%]	: 87,6 / 89,3 / 89,5
Design specification	: Europe (CE)/USA (UR)/Canada (CSA)
CE mark	: Yes
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 1xM32, 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	: 85015220
Weight	: 83.17 kg