

## Catalog designation

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

Click these icons for further information in Online Support



## Reference data

Transaction : 426006625  
Item : 100

## Product data

Speed [r/min]	: 1758 / 186
Total ratio [i]	: 9,44 / infinite
Ma max [Nm]	: 655
Ta max [lb-in]	: 5.800
Output torque [Nm]	: 177
Service factor SEW-FB	: 3,70
Mounting position	: M1B
Term.box.pos.[°] / cable entry	: 0 (R) / normal
Lubricant / -volume [l]	: CLP 680 Miner.Oil / 1,90
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
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]	: 3.7
Motor power [HP]	: 5.0
Motor frequency [Hz]	: 60
Cyclic duration factor S1-S10	: S1
Motor voltage [V] / conn. type	: 208/360 delta/star
Nominal current [A]	: 15,90 / 9,20
cos phi	: 0,72
Wiring diagram	: R13 / 680010506
Thermal cl.[°C]/Enclosure[IP]	: 155(F) / 54
Service factor motor	: 1.15
International efficiency class	: IE3
Efficiency at 50/75/100% Pn [%]	: 87,8 / 89,4 / 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	: 550-1800rpm
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°
Nameplate text	: 10205562
Opera.instr. A lang./quantity	: English / 0
Parts list/language/quantity	: English / 0
Commodity code	: 85015220
Weight	: 79.23 kg