

Catalog designation

SA57 DRN80M4
Helical-worm gearmotors S..DRN.. (IE3)

Click these icons for further information in Online Support



Reference data

Transaction : 426433483
Item : 100

Product data

Speed [r/min]	: 1751 / 37
Total ratio [i]	: 47,32 / infinite
Ma max [Nm]	: 245
Ta max [lb-in]	: 2.170
Output torque [Nm]	: 163
Output torque [lb-in]	: 1440
Service factor SEW-FB	: 1,50
Mounting position	: MXAB basic mounting position MX according to manufacturing specifications 01 903_97. Breather valve not installed by SEW but enclosed. The CUSTOMER has to install the breather valve and adapt the oil quantity according to mounting position.
Term.box.pos.[°] / cable entry	: 270 (T) / position 3
Lubricant / -volume [l]	: CLP HC-460-NSF-H1 Oil f.Food / 1,43
Lubricant volume [US gal]	: 0.38
Corrosion protection	: Yes
Surface protection	: OS2 to technical data sheet 63080061
Paint coat	: Top coat RAL9005 (jet black)
Gear unit	: SA57
Hollow shaft	: 35mm
Design	: Hollow shaft
Safety cover	: None
Output oil seal	: 2 oil seals
Breather valve	: Nirosta type
Breather variant	: Standard
Delivery state	: Screw plug mounted for transport, breather valve enclosed
Special manuf. specifications	: 01903_97
Documentation no. A	: 33353387
Spare parts list	: You can find the SWPL (spare and wearing parts list) under the serial number in the Online Support.
Motor	: DRN80M4
Motor power [kW]	: 0.75
Motor power [HP]	: 1.0
Motor frequency [Hz]	: 60



Cyclic duration factor S1-S10	: S1
Motor voltage [V] / conn. type	: 230/460 double star/star
Nominal current [A]	: 3,10 / 1,56
cos phi	: 0,70
Wiring diagram	: R76 / 680430706
Thermal cl.[°C]/Enclosure[IP]	: 155(F) / 65
Service factor motor	: 1.15
International efficiency class	: IE3
Efficiency	
at 50/75/100% Pn [%]	: 82,0 / 84,9 / 85,5
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°
Text of gear unit nameplate	: DMI P/N: 1309164
Nameplate text	: DMI P/N: 1309164
Opera.instr. A lang./quantity	: English / 0
Parts list/language/quantity	: English / 0
Commodity code	: 85015100
Weight	: 26.90 kg