

Catalog designation

SAZ67 DRN80M4
Helical-worm gearmotors S..DRN.. (IE3)

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Reference data

Transaction : 424358864
Item : 600

Product data

Speed 50Hz [r/min]	: 1440 / 26
Speed 60Hz [r/min]	: 1751 / 32
Total ratio [i]	: 54,70 / infinite
Ma max [Nm]	: 480
Ta max [lb-in]	: 4.250
Output torque 50Hz [Nm]	: 220
Output torque 50Hz [lb-in]	: 1950
Output torque 60Hz [Nm]	: 185
Output torque 60Hz [lb-in]	: 1640
Service factor SEW-FB	: 2,20 / 2,60
Mounting position	: M1AB
Term.box.pos.[°] / cable entry	: 270 (T) / normal
Lubricant / -volume [l]	: CLP 680 Miner.Oil / 1,00
Lubricant volume [US gal]	: 0.26
Paint coat	: Top coat RAL7031 (blue gray)
 Gear unit	 : SAZ67
Hollow shaft	: 40mm
Design	: B14-flange-mounted version and hollow shaft
Safety cover	: None
Flange	: 105mm centering shoulder
Breather variant	: Standard
Delivery state	: Breather valve mounted
Screw plug bore dimens. sheet	: 27001_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	 : DRN80M4
Motor power [kW]	: 0.75
Motor power [HP]	: 1.0
Cyclic duration factor S1-S10	: S1
Multi range-voltage 50Hz [V]	: 220-230 delta / 380-400 star
Nominal current [A]	: 3,05 / 1,75
Multi range-voltage 60Hz [V]	: 254-266 delta / 440-460 star
Nominal current [A]	: 2,70 / 1,56
cos phi	: 0,74 / 0,70
Wiring diagram	: R13 / 680010306
Thermal cl.[°C]/Enclosure[IP]	: 155(F) / 54
Service factor motor	: 1.15
International efficiency class	: IE3



Efficiency 50Hz at 50/75/100% Pn [%]	: 80,7 / 82,9 / 82,9
Efficiency 60Hz at 50/75/100% Pn [%]	: 82,0 / 84,9 / 85,5
Design specification	: Europe (CE)/USA (UR)/Canada (CSA)
CE mark	: Yes
EISA identification	: Yes, conform to EISA
K.V.A.code	: M
Design	: NEMA C
Terminal box	: Terminal box lower part made of aluminum with tapped hole 1xM25, 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	: 180°
Opera.instr. A lang./quantity	: English / 0
Parts list/language/quantity	: English / 0
Commodity code	: 85015100
Weight	: 41.41 kg