

Catalog designation

SA57 DRN90L4
Helical-worm gearmotors S..DRN.. (IE3)

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Reference data

Transaction : 424413498
Item : 300

Product data

Speed 50Hz [r/min] : 1461 / 103
Speed 60Hz [r/min] : 1767 / 124
Total ratio [i] : 14,24 / infinite
Ma max [Nm] : 169
Ta max [lb-in] : 1.500
Output torque 50Hz [Nm] : 125
Output torque 60Hz [Nm] : 104
Service factor SEW-FB : 1,35 / 1,65
Mounting position : M1A
Term.box.pos.[°] / cable entry : 270 (T) / position 1
Lubricant / -volume [l] : CLP 680 Miner.Oil / 0,50
Paint coat : Top coat RAL7031 (blue gray)



Gear unit : SA57
Hollow shaft : 30mm
Design : Hollow shaft
Safety cover : None
Breather variant : Standard
Delivery state : Breather valve mounted
Screw plug bore dimens. sheet : 27001__97
Documentation no. A : 31978061
Spare parts list : You can find the SWPL (spare and wearing parts list) under the serial number in the Online Support.

Motor : DRN90L4
Motor power [kW] : 1.5
Motor power [HP] : 2.0
Cyclic duration factor S1-S10 : S1
Multi range-voltage 50Hz [V] : 220-230 delta / 380-400 star
Nominal current [A] : 6,00 / 3,45
Multi range-voltage 60Hz [V] : 254-266 delta / 440-460 star
Nominal current [A] : 5,20 / 3,00
cos phi : 0,74 / 0,70
Wiring diagram : R13 / 680010306
Thermal cl.[°C]/Enclosure[IP] : 130(B) / 54
Service factor motor : 1.15
International efficiency class : IE3
Efficiency 50Hz
at 50/75/100% Pn [%] : 84,6 / 86,1 / 85,6
Efficiency 60Hz
at 50/75/100% Pn [%] : 83,5 / 85,9 / 86,5
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 1xM25, 1xM16
CT speed range	: 300-1800rpm
Documentation no. A	: 25957066 26857987 30589452
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	: German / 0
Parts list/language/quantity	: German / 0
Commodity code	: 85015220
Weight	: 33.50 kg