

Catalog designation

SA67 DRN90S4
Helical-worm gearmotors S..DRN.. (IE3)

Product data

Speed 50Hz [r/min] : 1455 / 23
 Speed 60Hz [r/min] : 1762 / 28
 Total ratio [i] : 62,35 / finite
 No. of teeth nom./denominator : 1247/20
 Ma max [Nm] : 480
 Output torque 50Hz [Nm] : 365
 Output torque 60Hz [Nm] : 305
 Service factor SEW-FB : 1,30 / 1,60
 Mounting position : M2A
 Term.box.pos.[°] / cable entry : 0 (R) / normal
 Lubricant / -volume [l] : CLP 680 Miner.Oil / PSS / 2,00
 Paint coat : Top coat RAL7031 (blue gray)



Gear unit : SA67
 Hollow shaft : 45 mm
 Design : Hollow shaft
 Safety cover : None
 Output oil seal : 2 oil seals
 Breather valve : Nirosta type
 Breather variant : Standard
 Delivery state : Breather valve mounted
 Screw plug bore dimens. sheet : 27001__97
 Documentation no. A : 27801357
 Parts list : 282561796 / 0

Motor : DRN90S4
 Output oil seal material : Premium Sine Seal - FKM
 Motor power [kW] : 1.1
 Cyclic duration factor S1-S10 : S1
 Multi range-voltage 50Hz [V] : 220-230 delta / 380-400 star
 Nominal current [A] : 4,50 / 2,60
 Starting/rated current : 6,9
 Multi range-voltage 60Hz [V] : 254-266 delta / 440-460 star
 Nominal current [A] : 4,00 / 2,30
 Starting/rated current : 8,2
 cos phi : 0,73 / 0,69
 Wiring diagram : R13 / 680010306
 Thermal cl.[°C]/Enclosure[IP] : 130(B) / 54
 International efficiency class : IE3
 Efficiency 50Hz
 at 50/75/100% Pn [%] : 83,5 / 85,0 / 84,5
 Efficiency 60Hz
 at 50/75/100% Pn [%] : 83,5 / 85,8 / 86,5
 Design specification : Europe (CE) / Brazil (ABNT) /
 South Korea (REELS)

CE mark : Yes
 Design : CAT N
 Registration : INMETRO 001938/2019
 KEL label part number : 01888005
 Terminal box : Terminal box lower part made of
 aluminum with tapped hole
 1xM25, 1xM16
 A-side bearing : DIN625 6305-2Z-C3, mineral

B-side bearing	grease, DIN51502 K2P-20/K2N-40 : DIN625 6205-2Z-C3, mineral grease, DIN51502 K2P-20/K2N-40
Documentation no. A	: 25957074 26861313 30589460
Nameplate	: English
Nameplate position	: 270°
Opera.instr. A lang./quantity	: English / 0
Parts list/language/quantity	: English / 0
Commodity code	: 85015220
Weight	: on request