

Catalog designation

K39 DRN90S4
Bevel-helical gearmotors K..DRN.. (IE3)

Product data

Speed 50Hz [r/min]	: 1455 / 60
Speed 60Hz [r/min]	: 1762 / 72
Total ratio [i]	: 24,40 / finite
No. of teeth nom./denominator	: 122/5
Ma max [Nm]	: 300
Output torque 50Hz [Nm]	: 176
Output torque 60Hz [Nm]	: 145
Service factor SEW-FB	: 1,70 / 2,10
Mounting position	: M1A
Term.box.pos.[°] / cable entry	: 180 (L) / normal
Lubricant / -volume [l]	: CLP PG 460 Synth.Oil / PSS / 0,86
Paint coat	: Top coat RAL7031 (blue gray)
Gear unit	: K39
Output shaft end	: 30x60mm lg.
Output shaft design	: with keyway/with key
Design	: Foot-mounted version
Output oil seal	: 2 oil seals
Breather valve	: Nirosta type
Breather variant	: Standard
Delivery state	: Breather valve mounted
Screw plug bore dimens. sheet	: 33095_14
Documentation no. A	: 27801357
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]	: 155(F) / 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 grease, DIN51502 K2P-20/K2N-40



B-side bearing	: 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