

Catalog designation

KAF47 DRN90L4

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

Click these icons for further information in Online Support

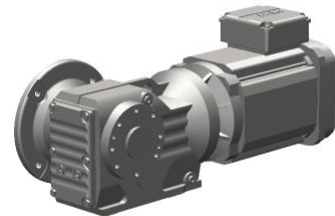


Reference data

Transaction : 424470387
Item : 100

Product data

Speed 50Hz [r/min]	: 1461 / 87
Speed 60Hz [r/min]	: 1767 / 105
Total ratio [i]	: 16,86 / infinite
Ma max [Nm]	: 415
Ta max [lb-in]	: 3.670
Output torque 50Hz [Nm]	: 165
Output torque 50Hz [lb-in]	: 1460
Output torque 60Hz [Nm]	: 137
Output torque 60Hz [lb-in]	: 1210
Service factor SEW-FB	: 2,50 / 3,00
Mounting position	: M1B
Term.box.pos.[°] / cable entry	: 270 (T) / position 2
Lubricant / -volume [l]	: CLP 220 Miner.Oil / 0,80
Lubricant volume [US gal]	: 0.21
Paint coat	: Stainless Steel Gray
Gear unit	: KAF47
Hollow shaft	: 35mm
Design	: B5-flange-mounted version and hollow shaft
Safety cover	: None
Flange	: 200mm
Breather variant	: Standard
Delivery state	: Breather valve mounted
Screw plug bore dimens. sheet	: 33140_09
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	: 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]	: 155(F) / 55
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
Additional identification for China Efficiency Class	: China : Grade 3
Energy Label China	: Yes, according to GB18613/CEL007
Energy label no.	: 22793151
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	: 0°
Opera.instr. A lang./quantity	: English / 0
Parts list/language/quantity	: English / 0
Commodity code	: 85015220
Weight	: 41.23 kg