

## Catalog designation

KA47 DRN80MK4  
 Bevel-helical gearmotors K..DRN.. (IE3)

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## Reference data

Transaction : 425722527  
 Item : 100

## Product data

Speed 50Hz [r/min] : 1435 / 17  
 Speed 60Hz [r/min] : 1745 / 21  
 Total ratio [i] : 85,12 / finite  
 No. of teeth nom./denominator : 217899/2560  
 Ma max [Nm] : 450  
 Ta max [lb-in] : 3.980  
 Output torque 50Hz [Nm] : 310  
 Output torque 50Hz [lb-in] : 2740  
 Output torque 60Hz [Nm] : 255  
 Output torque 60Hz [lb-in] : 2260  
 Service factor SEW-FB : 1,45 / 1,75  
 Mounting position : M1A  
 Term.box.pos.[°] / cable entry : 270 (T) / position 3  
 Lubricant / -volume [l] : CLP HC 220 Synth.Oil / 0,80  
 Lubricant volume [US gal] : 0.21  
 Paint coat : Top coat RAL5001 (green blue)



Gear unit : KA47  
 Hollow shaft : 1.250 inch  
 Design : Hollow shaft  
 Safety cover : None  
 Output oil seal : 2 oil seals  
 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 : DRN80MK4  
 Output oil seal material : FKM  
 Motor power [kW] : 0.55  
 Motor power [HP] : 0.75  
 Cyclic duration factor S1-S10 : S1  
 Multi range-voltage 50Hz [V] : 220-240 delta / 380-415 star  
 Nominal current [A] : 2,30 / 1,32  
 Multi range-voltage 60Hz [V] : 254-277 delta / 440-480 star  
 Nominal current [A] : 2,05 / 1,20  
 cos phi : 0,75 / 0,71  
 Wiring diagram : R13 / 680010506  
 Thermal cl.[°C]/Enclosure[IP] : 155(F) / 54  
 Service factor motor : 1.15

International efficiency class	: IE3
Efficiency 50Hz at 50/75/100% Pn [%]	: 78,6 / 81,0 / 80,8
Efficiency 60Hz at 50/75/100% Pn [%]	: 78,1 / 81,0 / 81,5
Design specification	: Europe (CE)/USA (UR)/Canada (CSA)
CE mark	: Yes
EISA identification	: Yes, conform to EISA
K.V.A.code	: L
Terminal box	: Terminal box lower part made of aluminum with tapped hole 2xNPT 1/2"
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°
Nameplate language 2nd set	: English
Nameplate position 2nd set	: 0°
Opera.instr. A lang./quantity	: English / 0
Parts list/language/quantity	: English / 0
Commodity code	: 85015100
Weight	: 28.14 kg