

Gear series : Helical bevel geared motors
Type : KT033-11P-80-04F-TH-TF

Operation data :

Ambient temperature : +40 °C
 Type of operation : S1

Gear data :

Max. perm. thermal power limit at +40 °C and S1 operation : 3 [kW]
 Output speed : 50 [rpm]
 Output torque : 144 [Nm]
 Service factor : 1.40
 Gear stages : 3
 Ratio : 28.67
 Circumferential backlash (min-max) : 8' - 28'
 Perm. input torque at fB1 : 7 [Nm]
 Max. perm. input speed : 6000 [rpm]
 Mounting position : M1
 Hollow shaft : Ø 30 H7 [mm]
 Keyway : DIN6885.1
 Output shaft material : C45E (1.1191)
 Painting : LC1 - Indoor installation, neutral atmosphere NDFT 60 µm (C1 - DIN EN ISO 12944-5)
 Color : RAL 7011 (Iron grey)

Input side :

Type : Direct mounting
 Input shaft : Ø 24 j6
 Input flange : FC120

Further executions gear unit :

Torque arm : WGTS100
 Fixing of the torque arm : side B
 Position of the torque arm : 90°
 Lubricant : Mineral oil - CLP ISO VG 220

Motor data :

Series : WEG Modular System Motor (EUSAS)
 Housing material : Aluminium
 Efficiency class η : IE3-82.5%
 Type : 11P
 Motor power : 0.75 [kW]
 Rated speed : 1430 [rpm]
 Rated torque : 5 [Nm]
 Voltage : 230/400 [V]
 Frequency : 50 [Hz]



Connection :	D/Y	
Rated current :	2.85 / 1.64	[A]
Starting to rated current :	7.0	
'cos φ' :	0.80	
Protection class :	IP 55	
Mounting position of the terminal box :	side 1 cable entry I	
Insulation class :	F	
Mass moment of inertia :	3.23 x 10 ⁻³	[kgm ²]
Voltage range - 50 Hz :	220-240 V (D), 380-420 V (Y), 110-120 V (DD), 190-210 V (YY)	
Voltage range - 60 Hz :	250-277 V (D), 440-480 V (Y), 125-138 V (DD), 220-240 V (YY)	
Terminal board :	9 bolts, 12 leads	

Motor certifications :



Further motor executions :

Fan :	self ventilated
Temperature controller :	Bimetal switch NCC (TH) and PTC thermistor (TF) for switch off
Ball bearing :	Standard

Total weight :	19.3	[kg]
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3D Model (STEP) : 

Dimension sheet (PDF): 



3D Model (3D-PDF) :

To view the 3D PDF correctly you need Acrobat Reader®.
You can download it free of charge at <https://get.adobe.com/uk/reader/>.