

Gear series : Helical geared motor
Type : CG072-11P-L100L-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 : 10 [kW]
 Output speed : 47 [rpm]
 Output torque : 608 [Nm]
 Service factor : 1.35
 Gear stages : 2
 Ratio : 30.55
 Circumferential backlash (min-max) : 6' - 12'
 Perm. input torque at fB1 : 26.8 [Nm]
 Max. perm. input speed : 6000 [rpm]
 Mounting position : M1
 Output shaft : Ø 40 k6 x 80 [mm]
 Keyway : DIN6885.1
 Output shaft material : C45E (1.1191)
 Vent plug : 0.2 bar (Standard)
 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 34 k6
 Input flange : FC120

Further executions gear unit :

Lubricant : Mineral oil - CLP ISO VG 220

Motor data :

Series : WEG Modular System Motor (EUSAS)
 Housing material : Aluminium
 Efficiency class η : IE3-88.0%
 Type : 11P
 Motor power : 3 [kW]
 Rated speed : 1440 [rpm]
 Rated torque : 20 [Nm]
 Voltage : 230/400 [V]
 Frequency : 50 [Hz]
 Connection : D/Y
 Rated current : 11.0 / 6.31 [A]



Starting to rated current :	7.8	
'cos ϕ ' :	0.78	
Protection class :	IP 55	
Mounting position of the terminal box :	side 2 cable entry I	
Insulation class :	F	
Mass moment of inertia :	11.96×10^{-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 :	64.6	[kg]
----------------	------	------

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/>.