

Mounting position M1

Dimension sheet is proportional.
 All dimension in mm.
 Technical data are subject to change.

Dim. sheet no.:
 Date: 8.11.2024
 cat4CAD: 6.0.2700.467

Notes:
 Position: 1
 Type: CG082-11P-112M-04E-TH-TF-SG



Position :	1
Gear series :	Helical geared motor
Type :	CG082-11P-112M-04E-TH-TF-SG

Operation data :

Ambient temperature :	+20	°C
Type of operation :	S1	

Gear data :

Max. perm. thermal power limit at +20 °C and S1 operation :	29	[kW]
Output speed :	34	[rpm]
Output torque :	1130	[Nm]
Service factor :	1.40	
Gear stages :	2	
Ratio :	42.88	
ZT-Code :		
Circumferential backlash (min-max) :	5' - 10'	
Perm. input torque at fB1 :	36.1	[Nm]
Max. perm. input speed :	6000	[rpm]
Mounting position :	M1	
Output shaft :	Ø 50 k6 x 100	[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 :	FC160

Further executions gear unit :

Lubricant :	Mineral oil - CLP ISO VG 220
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Motor data :

Series :	WEG Modular System Motor (EUSAS)	
Housing material :	Aluminium	
Efficiency class η :	IE3-89.1%	
Type :	11P	
Motor power :	4	[kW]
Rated speed :	1450	[rpm]
Rated torque :	26	[Nm]
Voltage :	400/690	[V]
Frequency :	50	[Hz]

Technical product information



Connection :	D/Y	
Rated current :	8.20 / 4.75	[A]
Starting to rated current :	7.0	
'cos φ' :	0.79	
Protection class :	IP 55	
Mounting position of the terminal box :	side 1 cable entry I	
Insulation class :	F	
Mass moment of inertia :	18.17 x 10 ⁻³	[kgm ²]
Voltage range - 50 Hz :	380-420 V (D), 660-690 V (Y), 190-210 V (DD), 330-365 V (YY)	
Voltage range - 60 Hz :	440-480 V (D), 220-240 V (DD), 380-415 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

Data of the encoder :

Type :	Encoder - SG
Encoder mounting :	inside the fan cover
Description :	Encoder 1024ppr TTL 5V with pin connector
cable :	Mating connector with PVC cable 5m

Total weight :	89.5	[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/>.