



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

Dim. sheet no.:	Notes:	
Date: 25.3.2024	Position: 3	
cat4CAD: 6.0.2598.442	Type: KH063-11P-100L-04E-TH-TF	

Position :	1
Gear series :	Helical bevel geared motors
Type :	KH063-11P-100L-04E-TH-TF

Operation data :

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

Gear data :

Max. perm. thermal power limit at +20 °C and S1 operation :	12	[kW]
Output speed :	42	[rpm]
Output torque :	496	[Nm]
Service factor :	1.55	
Gear stages :	3	
Ratio :	33.85	
ZT-Code :		
Circumferential backlash (min-max) :	6' - 18'	
Perm. input torque at fB1 :	24.2	[Nm]
Max. perm. input speed :	3700	[rpm]
Mounting position :	M1	
Hollow shaft :	Ø 40 H7	[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 :	IE3-86.7%	
Type :	11P	
Motor power :	2.2	[kW]
Rated speed :	1435	[rpm]
Rated torque :	15	[Nm]
Voltage :	230/400	[V]
Frequency :	50	[Hz]

Technical product information

Connection :	D/Y	
Rated current :	8.15 / 4.70	[A]
Starting to rated current :	7.6	
'cos φ' :	0.78	
Protection class :	IP 55	
Mounting position of the terminal box :	side 1 cable entry I	
Insulation class :	F	
Mass moment of inertia :	8.97 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 : 55 [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/>.