

Gear series : Worm geared motor
Type : WH110-I-3C 100L-04E-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 : 2.8 [kW]
 Output speed : 36 [rpm]
 Output torque : 469 [Nm]
 Service factor : 1.50
 Gear stages : 1
 Ratio : 40.00
 Perm. input torque at fB1 : 21.6 [Nm]
 Max. perm. input speed : 3000 [rpm]
 Mounting position : M1
 Hollow shaft : Ø 42 F7 [mm]
 Keyway : DIN6885.1
 Output shaft material : EN-GJS-450-10
 Painting : LC1 - Indoor installation, neutral atmosphere NDFT 60 µm (C1 - DIN EN ISO 12944-5)
 Color : RAL 5009 (Azure blue)

Input side :

Type : IEC adapter 100
 Input shaft : Ø 28 j6 x 60 mm
 Input flange : Ø250 mm according to IEC

Further executions gear unit :

Lubricant : Synthetic oil - CLP PG ISO VG 320

Motor data :

Series : WEG Modular System Motor (EUSAS)
 Housing material : Aluminium
 Efficiency class η : IE3-86.7%
 Type : 3CWA
 Motor power : 2.2 [kW]
 Rated speed : 1435 [rpm]
 Rated torque : 15 [Nm]
 Voltage : 230/400 [V]
 Frequency : 50 [Hz]
 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 2 cable entry I
Insulation class :	F
Mass moment of inertia :	9.0 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 :	65.1	[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/>.