

Gear series : Parallel shaft geared motor
Type : FUA 85S 11P-132S-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 : 18 [kW]
 Output speed : 43 [rpm]
 Output torque : 1235 [Nm]
 Service factor : 1.90
 Gear stages : 2
 Ratio : 34.46
 Circumferential backlash (min-max) : 4' - 8'
 Reduced circumferential backlash (min-max) (OPTION) : 4' - 5'
 Perm. input torque at fB1 : 67.8 [Nm]
 Max. perm. input speed : 6000 [rpm]
 Mounting position : H10
 Hollow shaft : Ø 60 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 42 k6
 Input flange : FC160

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 : IE3-90.7%
 Type : 11P
 Motor power : 5.5 [kW]
 Rated speed : 1465 [rpm]
 Rated torque : 36 [Nm]
 Voltage : 400/690 [V]
 Frequency : 50 [Hz]



Connection :	D/Y	
Rated current :	10.3 / 5.97	[A]
Starting to rated current :	8.5	
'cos φ' :	0.85	
Protection class :	IP 55	
Mounting position of the terminal box :	side 2 cable entry I	
Insulation class :	F	
Mass moment of inertia :	52.84 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

Total weight :	154.4	[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/>.