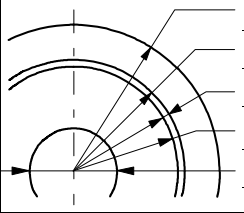


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Type: FMB130-CM-4C320										Id No: 144862							
Mechanical Design						Mech. Id No: 59607494				BOM: -				Drawing No: Z 41605161			
						Painting:											
Specifications: Machine Id. No. 59607474. Manufactured by foreign supplier.																	
Electrical Rated Data *)																	
Kind of Motor: Frequency-controlled AC-Gearless asynchronous motor for Vacon																	
Rated Output: 7.7 kW				Speed: 439 1/min				Ventilation: external									
Rated Torque: 167 Nm				Power Factor: 0.87				V: 2 x NMB-B50									
Voltage: 340 V				Efficiency: - %				ZKH: 180 c/h ED: 50 %									
Current: 20 A				TMA: 245 Nm				Design Code: A4									
Frequency: 15.9 Hz				IMA: 28 A				Protection Code: IP21									
Sense of Rotation: cw / ccw				Brake Voltage - VDC				Duty Code: S5									
Connection: Star				Brake Current: - ADC				Diagram No: -									
Design Information																	
Core Length: 270 mm						Weight: 220 kg											
Stator Slot: 48/F68						Rotor Slot: 2_200_612											
Stator Slot Dim / Area: 23x7.8x5.5/146 mm/mm²																	
Rotor Slot Dim: 18.7x5.6x4.0 mm						Rotor Slope: 1.5°											
Rotor Slot Bottom Dia: 135 mm						IMH: - kgm²											
Bar Dim: - mm						Magnetic Grade: 9.4 W/kg						Endring Dim: - mm					
Bar Number: 58						Cast.Mld: -				Alloy: Al 99.5				Endring Material: Al 99%			
Bar Material: Al																	
Additional Info: Weight: Complete machine																	
Winding Data																	
Number of Poles:						4						Parameter Data					
Number of Slots:						48						PMN: 7.7 kW					
Number of Coils:						24						FS_NOM: 15.9 Hz					
Number of Turns per Coil:						20						POLE_PAIRS: 2					
Wire Diameter [mm]:						-						NOM_TORQUE: 167 Nm					
Number of Parallel Wires:						-						US_NOM: 340 V					
Wire Class:						CuC2.5						IS_NOM: 20 A					
Winding Diagram:						M 12001						ISA_NOM: 8.2 A					
Winding Connection:						series						TR: 0.34 s					
Slot Fill Factor:						-						XH: 19.3 Ω					
Resistance per Phase [Ω]						0.95						XR: 21.3 Ω					
Weight of Winding [kg]:						-						XS: 20.0 Ω					
Winding Leads [mm²]:						direct						RS: 0.95 Ω					
Insulation Class: F																	
Winding Protection: Two temperature sensors KTY84-130																	
Winding Instructions: Insulation interlayer in the winding head between every coil																	
*) Nameplate Data																	
1) Parameter List - Q 41601303																	
2) Limit Temperature of Hoisting Motor - Q 41601305																	
INVENTIO AG CH-6052 Hergiswil		Modificat.	Ae0	Ae1	Ae2	Ae3	Ae4	Ae5	Replaces/Mod.		Prepared	13-12-20	jurkowbo				
		KA No	76529	142012								Reviewed	13-12-20	almadaen			
		KA Date	12-05-01	13-12-20						Basis drawing		Norms chkd	13-12-20	jurkowbo			
												Released	13-12-20	wespien			
											Classification	Remark			No. pages	Format	
MOTOR SPECIFICATION									11120		Q 242597			2		A4	
									Lead Office					Page		Language	
									EB6					1		E	

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Type: FMB130-CM-4CL320										Id No: 144862			
Mechanical Design				Mech. Id No: 59607494			BOM: -			Drawing No: Z 41605161			
				Painting:									
Specifications: Machine Id. No. 59609600. Manufactured by foreign supplier.													
Electrical Rated Data *)													
Kind of Motor: Frequency-controlled AC-Gearless asynchronous motor for Vacon													
Rated Output: 7.7 kW			Speed: 439 1/min			Ventilation: external							
Rated Torque: 167 Nm			Power Factor: 0.87			V: 2 x NMB-B50							
Voltage: 340 V			Efficiency: - %			ZKH: 180 c/h ED: 50 %							
Current: 20 A			TMA: 245 Nm			Design Code: A4							
Frequency: 15.9 Hz			IMA: 28 A			Protection Code: IP21							
Sense of Rotation: cw / ccw			Brake Voltage - VDC			Duty Code: S5							
Connection: Star			Brake Current: - ADC			Diagram No: -							
Design Information													
Core Length: 270 mm				Weight: 220 kg									
Stator Slot: 48/F68				Rotor Slot: 2_200_612									
Stator Slot Dim / Area: 23x7.8x5.5/146 mm/mm²													
Rotor Slot Dim: 18.7x5.6x4.0 mm				Rotor Slope: 1.5°									
Rotor Slot Bottom Dia: 135 mm				IMH: - kgm²									
Bar Dim: - mm				Magnetic Grade: 9.4 W/kg				Endring Dim: - mm					
Bar Number: 58				Cast.Mld: -		Alloy: Al 99.5		Endring Material: Al 99%					
Bar Material: Al													
Additional Info: Weight: Complete machine													
Winding Data													
Stator Winding													
Parameter Data													
Number of Poles:			4			PMN:			7.7 kW				
Number of Slots:			48			FS_NOM:			15.9 Hz				
Number of Coils:			24			POLE_PAIRS:			2				
Number of Turns per Coil:			20			NOM_TORQUE:			167 Nm				
Wire Diameter [mm]:			-			US_NOM:			340 V				
Number of Parallel Wires:			-			IS_NOM:			20 A				
Wire Class:			CuC2.5			ISA_NOM:			8.2 A				
Winding Diagram:			M 12001			TR:			0.34 s				
Winding Connection:			series			XH:			19.3 Ω				
Slot Fill Factor:			-			XR:			21.3 Ω				
Resistance per Phase [Ω]			0.95			XS:			20.0 Ω				
Weight of Winding [kg]:			-			RS:			0.95 Ω				
Winding Leads [mm²]:			direct										
Insulation Class: F													
Winding Protection: Two temperature sensors KTY84-130													
Winding Instructions: Insulation interlayer in the winding head between every coil													
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1) Parameter List - Q 41601303													
2) Limit Temperature of Hoisting Motor - Q 41601305													
INVENTIO AG CH-6052 Hergiswil	Modificat.	Ae0	Ae1	Ae2	Ae3	Ae4	Ae5	Replaces/Mod.		Prepared	13-12-20	jurkowbo	
	KA No	76529	142012							Reviewed	13-12-20	almadaen	
	KA Date	12-05-01	13-12-20					Basis drawing		Norms chkd	13-12-20	jurkowbo	
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