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Type: FMB130-CM-4C96										Id No: 59605846																															
Mechanical Design						Mech. Id No: 59607488				BOM: -				Drawing No: Z 41605161																											
						Painting:																																			
Specifications: Machine Id. No. 59609612. Manufactured by foreign supplier.																																									
Electrical Rated Data *)																																									
Kind of Motor: Frequency-controlled AC-Gearless asynchronous motor for Vacon																																									
Rated Output: 13.4 kW				Speed: 768 1/min				Ventilation: external																																	
Rated Torque: 167 Nm				Power Factor: 0.83				V: 2 x NMB-B50																																	
Voltage: 180 V				Efficiency: - %				ZKH: 180 c/h ED: 50 %																																	
Current: 66 A				TMA: 245 Nm				Design Code: A4																																	
Frequency: 26.9 Hz				IMA: 92 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:				13.4 kW																													
Number of Slots:				48				FS_NOM:				26.9 Hz																													
Number of Coils:				24				POLE_PAIRS:				2																													
Number of Turns per Coil:				6				NOM_TORQUE:				167 Nm																													
Wire Diameter [mm]:				-				US_NOM:				180 V																													
Number of Parallel Wires:				-				IS_NOM:				66 A																													
Wire Class:				CuC2.5				ISA_NOM:				27.4 A																													
Winding Diagram:				M 12001				TR:				0.34 s																													
Winding Connection:				series				XH:				2.95 Ω																													
Slot Fill Factor:				-				XR:				3.25 Ω																													
Resistance per Phase [Ω]				0.085				XS:				3.05 Ω																													
Weight of Winding [kg]:				-				RS:				0.085 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																																									
*) Nameplate Data																																									
1) Parameter List - Q 41601303 and Specification - EQ 272614																																									
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			
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