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Type: FMB130-CM-4CS96										Id No: 59605847		
Mechanical Design				Mech. Id No: 59607489			BOM: -			Drawing No: Z 41605161		
				Painting:								
Specifications: Machine Id. No. 59609613. Manufactured by foreign supplier.												
Electrical Rated Data *)												
Kind of Motor: Frequency-controlled AC-Gearless asynchronous motor for Vacon												
Rated Output: 15.4 kW			Speed: 878 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: 30.5 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:			15.4 kW			
Number of Slots:			48			FS_NOM:			30.5 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:			3.03 Ω			
Slot Fill Factor:			-			XR:			3.69 Ω			
Resistance per Phase [Ω]			0.085			XS:			3.45 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												
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	142012							Reviewed	13-12-20	almadaen	
	KA Date	13-12-20						Basis drawing	Norms chkd	13-12-20	jurkowbo	
									Released	13-12-20	wespian	
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MOTOR SPECIFICATION								Lead Office	Q 41604847		Page	Language
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