


01

02

GEARBOX SPECIFICATION

	T1-3	T1-5	T1-7	T1-8	T1-10
GP56-xx-xx-HR					
Reduction Ratio	3.29 (135/41)	5.09 (117/23)	6.53 (111/17)	7.71 (54/7)	9.55 (105/11)
No. of Stages	1				
Rated Output Torque Nm	14.19	15.28	16.29	16.58	13.55
Max. Output Torque Nm	28.38	30.56	32.58	33.16	27.1
Rated Input Speed rpm	3500				
Max. Input Speed rpm	4658	8307	8988	10919	13000
Backlash °	≤0.5				
Efficiency %	92				
Lifetime h	10000				
Gearbox Inertia kg m ²	9.6 x10 ⁻⁶	3.7 x10 ⁻⁶	4.0 x10 ⁻⁶	2.3 x10 ⁻⁶	3.3 x10 ⁻⁶
Ambient Temperature °C	-15 ... 90				
Protection Class	IP54				
Fr 100 rpm Output Speed N	540				
Fa 100 rpm Output Speed (shaft middle) N	1630				

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715		
			Date	Name	
			Drawn	25.01.2023	Schneid_A
			Reviewed	17.05.2023	Kaiming_C
			Released	17.05.2023	Kaiming_C
02	Backlash updated	Kaiming_C	24.05.2023	<div style="text-align: center;">  <p>20001852</p> </div>	
01	changed values, dim.	Schneid_A	17.05.2023		
REV	Rev. Text	Name	Date	State: Released	Rev: 02

GP56-T1-x-HR

Scale: 1 : 1
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