



GEARBOX SPECIFICATION								
GP56-xx-xx-SR		S2-11	S2-16	S2-20	S2-26	S2-33	S2-43	S2-62
Reduction Ratio		10.84 (18225/1681)	15.51 (3969/256)	20.03 (7371/368)	25.71 (6993/272)	32.72 (6642/203)	42.63 (12321/289)	62.33 (11655/187)
No. of Stages		2						
Rated Output Torque	Nm	20.27	22.01	23.03	23.13	22.24	26.38	26.38
Max. Output Torque	Nm	40.54	44.02	46.06	46.26	44.48	52.76	52.76
Rated Input Speed	rpm	3500						
Max. Input Speed	rpm	4658	5968	8307	8988	10919	8988	13000
Backlash	°	≤0.5						
Efficiency	%	85						
Lifetime	h	10000						
Gearbox Inertia	kg m <sup>2</sup>	$8.4 \times 10^{-6}$	$6.2 \times 10^{-6}$	$3.4 \times 10^{-6}$	$3.7 \times 10^{-6}$	$2.1 \times 10^{-6}$	$3.6 \times 10^{-6}$	$3.1 \times 10^{-6}$
Ambient Temperature	°C	-15 ... 90						
Protection Class		IP54						
Fr 100 rpm Output Speed	N	515						
Fa 100 rpm Output Speed (shaft middle)	N	1460						

01

02

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715				
REV	Rev. Text	Name	Date	Drawn	Date	Name				
02	Backlash updated	Kaiming_C	24.05.2023	Reviewed	17.05.2023	Kaiming_C	GP56-S2-x-SR			
01	changed values, dim.	Schneid_A	17.05.2023	Released	17.05.2023	Kaiming_C				
							20001794		Scale: 1 : 1	
							State: Released		Rev: 02	CONFIDENTIAL