


01

03

GEARBOX SPECIFICATION

	S2-15	S2-21	S2-26	S2-46
GP42-xx-xx-SR	S2-15	S2-21	S2-26	S2-46
Reduction Ratio	15.45 (12996/841)	20.64 (1197/58)	25.62 (333/13)	45.82 (504/11)
No. of Stages	2			
Rated Output Torque Nm	9.1	9.4	8.6	12.2
Max. Output Torque Nm	18.2	18.8	17.2	24.4
Rated Input Speed rpm	3000			
Max. Input Speed rpm	8236	11943	14050	18000
Backlash °	≤1			
Efficiency %	85			
Lifetime h	10000			
Gearbox Inertia kg m ²	0.62 x10 ⁻⁶	0.51 x10 ⁻⁶	0.4 x10 ⁻⁶	0.22 x10 ⁻⁶
Ambient Temperature °C	-15 ... 90			
Protection Class	IP54			
Fr 100 rpm Output Speed N	305			
Fa 100 rpm Output Speed (shaft middle) N	890			

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715									
REV	Rev. Text	Name	Date	Drawn	Date	Name	GP42-S2-x-SR								
03	Backlash updated	Kaiming_C	24.05.2023	Reviewed	17.05.2023	Kaiming_C				20001858					
02	Force updated	Kaiming_C	23.05.2023	Released	17.05.2023	Kaiming_C							Scale: 1 : 1 A4 Page 1		
01	changed values, dim.	Schneid_A	17.05.2023												
							Rev: 03		CONFIDENTIAL						