

PBL42-35 combinations

Quickview - combination drawing and technical data

parvalux
by **maxon**

Combination drawing		Technical data							
PBL42-35-S-Box		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio ²	:1	4	30	70	4	30	70
		Speed rpm	1000	133	57	1000	133	57	
		Nominal torque Nm	0.3	2.0	2.0	0.3	1.7	2.5	
		Intermittent torque Nm	0.5	2.9	3.2	0.4	2.6	3.7	
PBL42-35-GB28		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio ²	:1	-	-	-	15	30	60
		Speed rpm	-	-	-	267	133	67	
		Nominal torque Nm	-	-	-	1.1	2.0	2.7	
		Intermittent torque Nm	-	-	-	1.7	2.9	4.1	
PBL42-35-SWS		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio ²	:1	36	207	1364	-	-	-
		Speed rpm	111	19	3	-	-	-	
		Nominal torque Nm	2.6	11.0	11.0	-	-	-	
		Intermittent torque Nm	3.8	11.0	11.0	-	-	-	
PBL42-35-PGX42		Gear material	Steel	Steel	Steel	Steel	Steel	-	
		Gear ratio [stages] ²	:1	4.3 [1]	19 [2]	66 [3]	150 [4]	353 [4]	-
		Speed rpm	930	211	61	27	11	-	
		Nominal torque Nm	0.4	1.5	4.8	9.6	11.3	-	
		Intermittent torque Nm	0.6	2.3	7.1	14.4	16.9	-	

Key

Standard combination / standard gear ratio

Modular combination / modular gear ratio

Notes

¹ Comp. = Composite gears

² Full gear ratio options displayed on individual gearbox datasheets

→ Technical data displayed above calculated based on **PBL42-35 48V 4000 rpm** motor. Intermittent torque displayed based on S2 - 15 minute duty cycle.

→ Simplified drawings displayed above show overall envelope size of the combination. Please see individual motor and gearbox datasheets for detailed technical drawings.