

Poly-V Belt Series Product Specification Comparison Table (Standard / Deluxe / Flagship)



V2.1

I. Basic Specifications (Common Attributes)					
Parameter Name	Unit	Standard Version Specs	Deluxe Version Specs	Flagship Version Specs	Remarks
Frame Color	-	Black	Black	Black	Consistent across all models
Equipment Material	-	Carbon Steel	Carbon Steel	Carbon Steel	Uniform base material
Drive Direction	-	Bidirectional	Bidirectional	Bidirectional	Supports two-way operation
Rated Voltage	V	220/380	220/380	220/380	Compatible with standard industrial power
Packaging Material	-	PE stretch film	PE stretch film	PE stretch film	Uniform transport protection
II. Core Dimensional Parameters (Installation & Space Adaptation)					
Parameter Name	Unit	Standard Version Specs	Deluxe Version Specs	Flagship Version Specs	Remarks
Overall Height	mm	Single Rod: 600-850	Dual Rods: 600-850	Dual Rods: 600-850	Dual rod design for greater stability
Unit Length	mm	1000/1250/2000	1000/1250/2000	1000/1250/2000	Multiple lengths available
Extension Ratio	mm	530:1000/530:1250/740:2000	530:1000/530:1250/740:2000	530:1000/530:1250/740:2000	Consistent extension performance
Roller Length	mm	Standard 600, 800	Standard 600, 800	Standard 600, 800	Covers most application scenarios
Roller Spacing	mm	50/75/100	50/75/100	50/75/100	Adjustable for different loads
Number of Rollers	pcs	10/10/14	10/10/14	10/10/14	Standard load-bearing configuration
Roller Diameter	mm	50	50	50	Uniform roller size
Roller Shaft Core	mm	12	12	12	Consistent shaft strength
III. Performance Indicators (Core Operational Capability)					
Parameter Name	Unit	Standard Version Specs	Deluxe Version Specs	Flagship Version Specs	Remarks
Total Weight	kg/unit	35-80	35-80	35-80	Easy to transport and install
Conveying Speed	-	10-30m/min	10-30m/min	10-30m/min	Same conveying efficiency
Dynamic Load	kg/m ²	60	80	100	Flagship supports heavier dynamic loads
Static Load	kg/m ²	100	120	150	Flagship version has improved static load capacity
Minimum Turning Radius	mm	1200	1200	1200	Consistent turning flexibility
IV. Structural Details (Durability & Stability)					
Parameter Name	Unit	Standard Version Specs	Deluxe Version Specs	Flagship Version Specs	Remarks
Roller Wall Thickness	mm	≥1.2	≥1.5	≥1.5	Deluxe/Flagship rollers are thicker, more durable
Drive Roller Link Plate Thickness	mm	≥3.0 (reinforced stamped, galvanized)	≥3.5 (reinforced stamped, galvanized)	≥4.0 (reinforced stamped, galvanized)	Thickness increases, enhancing link strength
Drive Roller Surface Treatment	-	Carbon steel galvanized	Carbon steel galvanized	Carbon steel galvanized	Uniform rust protection process
Support Legs	-	Square tube design / height adjustable	Square tube design / height adjustable	Square tube design / height adjustable	Consistent support stability configuration
Casters	-	Swivel casters (front, middle, rear with brake; others without)	Swivel casters (front, middle, rear with brake; others without)	Swivel casters (front, middle, rear with brake; others without)	Uniform braking configuration, consistent mobility safety
Side Cover Configuration	-	Not included	Not included	Installed on both sides of frame	Used for protection and added safety; fits frame dimensions
Caster Size Model	dia./mm	Standard 4-inch	Standard 4-inch	Standard 4-inch (Global brand)	Flagship version caster brand upgraded, better quality
V. Drive System Configuration (Core Power Components)					
Parameter Name	Unit	Standard Version Specs	Deluxe Version Specs	Flagship Version Specs	Remarks
Drive Type	-	Poly-V Belt	Poly-V Belt	Poly-V Belt	Uniform drive principle
Drive Belt Model	-	3PJ	3PJ	4PJ	Flagship version belt model upgraded, higher transmission strength
Roller Poly-V Belt Sprocket Material	-	Engineering Plastic	Steel 45#	Steel 45#	Deluxe/Flagship materials upgraded, higher strength
Motor Wheel Material	-	Engineering Plastic	Steel 45#	Steel 45#	Steel material offers longer service life
Guide Wheel Material	-	Engineering Plastic	Steel 45#	Steel 45#	Same upgrade logic as motor wheel
Guide Wheel Mounting	-	Hook Shaft	Through Shaft	Through Shaft	Deluxe/Flagship mounting is more stable, reduces loosening risk
Frame Square Tube Steel	-	32*32+25*25	35*35+30*30	40*40+35*35	Tube size increases, enhancing frame load capacity
Frame Square Tube Wall Thickness	mm	≥1.5 (black electrophoretic coating)	≥1.5 (black electrophoretic coating)	≥1.5 (black electrophoretic coating)	Uniform wall thickness and rust protection
Reducer Brand / Power	W/unit	Brand: Duffy; Power: 120	Brand: Duffy; Power: 120	Brand: Zhongda; Power: 120	Flagship version reducer brand upgraded, more reliable
VI. Electrical Control & Safety Configuration (Operational Safety & Convenience)					
Parameter Name	Unit	Standard Version Specs	Deluxe Version Specs	Flagship Version Specs	Remarks
Emergency Stop Button	-	1	1	2	Flagship version has one additional stop button for higher safety redundancy
Inverter Model Spec	kw	0.75/1.5/2.2	0.75/1.5/2.2	0.75/1.5/2.2	Consistent frequency regulation capability
Control Box	-	Compliant wiring, safe; entry/exit holes with insulation protection	Compliant wiring, safe; entry/exit holes with insulation protection	Compliant wiring, safe; entry/exit holes with insulation protection	Uniform basic safety standards
Control Box Components	-	Chint and other domestic first-tier brands	Chint and other domestic first-tier brands	Schneider	Flagship version components brand upgraded, more stable
Cable	-	Straight line	Straight line	Spring cable	Flagship version cable more flexible, higher safety
Equipment Wiring	-	Compliant wiring / power line with leakage protection	Compliant wiring / power line with leakage protection	Compliant wiring / power line with leakage protection	Uniform leakage protection, ensuring electrical safety
VII. After-Sales Support (Service & Warranty)					
Parameter Name	Unit	Standard Version Specs	Deluxe Version Specs	Flagship Version Specs	Remarks
Whole Machine Warranty	months	12	12	12	All three models have the same warranty period