



The CY-LDH horizontal ribbon mixer is a batch mixer for chemical, pharmaceutical, food and building-material industries: inside the U-shaped trough, inner and outer ribbons counter-rotate, mixing rapidly and uniformly through convection, shear and diffusion for high uniformity in short batch times. It handles powder–powder, powder–liquid and powder–granule mixing.

Structural Composition: U-shaped trough + double-ribbon agitator + drive unit + bottom discharge valve + inlet / vent ports. Carbon steel / 304 / 316L / 321; sand-blasted, brushed or polished surfaces; paddle-ribbon and ploughshare agitators customizable.

Key Features

- ◆ Inner and outer ribbons — convective, uniform, fast mixing
- ◆ Central bottom discharge with no dead corners, thorough emptying
- ◆ 0.1–20 m³ batch range, model selected by batch output
- ◆ Optional liquid injection, jacket heating / cooling, weighing module and temperature sensing
- ◆ Materials: carbon steel / 304 / 316L; sand-blasted, brushed or mirror-polished finishes
- ◆ Manual / pneumatic / electric discharge valves; explosion-proof, VFD motors

Specifications

Model	Working Capacity (m ³)	Batch (kg)	Speed (r/min)	Power (kW)	Weight (kg)
LDH-0.3	0.18	200	62	5.5	600
LDH-0.5	0.3	300	62	7.5	900
LDH-1	0.6	600	49	11	1200
LDH-2	1.2	1200	33	15	2000
LDH-3	1.8	1800	33	18.5	2500
LDH-4	2.4	2500	27	22	3500
LDH-5	3	3000	27	30	4000
LDH-6	3.6	3600	27	37	4500
LDH-8	4.8	4800	22	45	5000
LDH-10	6	6000	22	55	6000
LDH-15	9	9000	14	75	7500
LDH-20	12	12000	14	90	10500
LDH-30	18	15000	12	110	13000

Top inlet feed → Ribbon convective mixing → (Optional liquid injection / heating) → Bottom discharge valve →
To packing / storage

◆ Selection notes: please provide bulk density, uniformity requirement, batch output and mixing time, and whether liquid injection / heating is required. Motor power is determined by material specific gravity, flowability and duty.