

Glossary of Crane Engineering Terminology

Authoritative engineering definitions, crane duty classifications (CMAA/FEM/ISO), deflection formulas, and electrical service factors.



- Key Product Advantages:**
- **High Strength Design:** Q355B structural steel box girders with submerged arc welding.
 - **Precision Control:** Stepless VFD variable frequency control on all hoisting and travel motions.
 - **Safety Built-in:** Overload limiters, dual travel limit switches, anti-collision sensors.
 - **Compact Headroom:** Low headroom trolley design maximizing hook vertical travel.
 - **International Compliance:** CE, ISO 9001:2015, CMAA Spec 70/74, FEM 1.001.

Standard Engineering Parameters & Model Configurations

Parameter	Standard Range	Optional / Custom	Standards Reference
Rated Capacity	1 Ton to 100 Tons	Up to 300 Tons Heavy Duty	CMAA Class A - F
Crane Span	6 m to 31.5 m (20 - 105 ft)	Custom Span up to 45 m	ISO 2374 / FEM 1.001
Lifting Height	6 m / 9 m / 12 m / 18 m	Custom up to 45 m	DIN 15020
Hoisting Speed	0.8 / 5.0 m/min (Dual Speed)	Stepless VFD (0.2 - 12 m/min)	FEM 2m / 3m / 4m
Bridge Travel Speed	5 - 20 m/min Variable	Up to 40 m/min High Speed	EN 15011
Control Method	Pendant Control / Radio Remote	Air Conditioned Operator Cabin	IP55 / IP65 NEMA 4X

Request Detailed Engineering Drawings, Quotations & 3D CAD Models:
Contact our senior application engineering team for customized crane layout proposals, runway rail calculations, and fast price estimates.

- **Direct WhatsApp Inquiry:** +86 186 6372 7845 | **Official Sales Email:** senintl@163.com
- **Global Website:** <https://darkgrey-pigeon-342653.hostingersite.com>