

Handling and special-purpose equipment. Full-swing portal cranes

Portal full-swing crane with articulated boom system is designed for reloading piece load using hook assembly and bulk cargo using a 4-rope 2-jaw rod grab or metal with magnets.

Climatic modification of the crane is YT, category 1 according to GOST 1550. Ambient temperature in operating condition is from + 40°C to -30°C. Idle - from + 45°C to -35°C. The maximum permissible wind speed under operation at the level of 10 m is 20 m / s, idle at a height of up to 20 m from the earth's surface is 36 m / s (IV wind region). Seismicity of the installation area is up to 8 points as per the Richter scale.

FULL-SWING PORTAL CRANES KIII-16/20/32-36/28/20...8m «STERKH»



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Technical specification

Parameter name	V
Max. lifting capacity, t: - 36-8m sweep - 28-8m sweep - 20-8m sweep	1 6 2
Lifting capacity at max. boom sweep in a hook and grab mode, no more than, t	16
Max. lift height, m	2
Lift height at max. boom sweep, no more than, m	2
Max. lowering depth, m	12
Sweep at max. lifting capacity, m	2
Lift speed, m/min at lifting capacity: - lowering / up to 16t / up to 20t / up to 32t	90 / 65 / 50 / 32
Sweep changing speed (average), m/min at lifting capacity: up to 20t / up to 32t	65 / 40
Swing speed, rpm at lifting capacity: up to 20t / up to 32t	1,65/ 1,15
Max. crane travel speed, m/min	2
Current type	alternate 380 V+15% , 50Hz
Current lead: - of crane - to mechanisms	Flexible cable Cables for fixed installation
Wheel diameter, mm	500
Speed tolerance	±10%
Crane type rail	P
Permissible operating temperature	-30°C...+40°C
Hook mode as per ISO 4301/1 up to 20t/above 20t/grab -group of crane operation mode -application class -loading class	A6/A5/A7 U6/U5/U7 Q2/Q2/Q2