QC12Y | Swing Beam Type Hydraulic Shearing Machine



Features:

1) World's heaviest and most robust swing beam shear construction.
2) Proven reliable design frame with rigid swing style upper beam.
3) Fast-adjusting device for blade clearance.
4) Optimized cutting angle for minimized distortion.
5) Oversized roller bearing guides and box constructed swing beam for constant blade gap over full cutting length contribute to straight cuts.
6) Easy and low maintenance operation.



Ball transfer table with front support arms. There are movable stop blocks on the arm to show the numbers on the rule, easy for thin sheet cutting. Blade safety guard is standard equipped.



Back gauge is fixed on the upper blade carrier, can swing with the blade carrier. Forward and back moving is controlled by A/C motor and ball screw, position can be showed on the E21s system screen. Accuracy 0.1mm.



Blade gap adjust wheel
It is easy to adjust the blade gap with this hand wheel. Correct blade cap adjusting is important for cutting quality and blade life.



Electric cabinet with reliable electric parts as Schneider electrics.
Electric diagram will be provided in the operation manual for future maintenance and repairing.



E21s NC system: backgauge control, control for general AC motor or frequency inverter. Intelligent positioning, one side positioning. Program memory of up to 40 programs and 25 steps per program. 160x160 LCD display.



Holding fingers are provided to ensure that the plate is held firmly along the length of the cutting area. Each independently acting holding fingers is capable of applying high pressure to hold the material being cut at the same time.



Rexroth brand valve



Siemens brand motor



Sunny brand gear pump

SPECIFICATIONS

Items	unit	QC12Y-4x2500	QC12Y-4x3200	QC12Y-4x4000
Max. cutting thickness	mm	4	4	4
Max. cutting width	mm	2500	3200	4000
Tensile strength of plate to be cut	N/mm2	450	450	450
Cutting angle	deg	1.5	1.5	1.5
Travel distance of back gauge	mm	20-600	20-600	20-600
Throat depth	mm	150	150	150
Stroke speeds	spm	16	14	10
Main motor	kW	4	5.5	5.5
Length	mm	3040	3840	4800
Width	mm	1500	1500	1500
Height	mm	1500	1600	1700

Items	unit	QC12Y-6x2500	QC12Y-6x3200	QC12Y-6x4000
Max. cutting thickness	mm	6	6	6
Max. cutting width	mm	2500	3200	4000
Tensile strength of plate to be cut	N/mm2	450	450	450
Cutting angle	deg	1.5	1.5	1.5
Travel distance of back gauge	mm	20-600	20-600	20-600
Throat depth	mm	150	150	150
Stroke speeds	spm	15	12	12
Main motor	kW	7.5	7.5	7.5
Length	mm	3040	3840	4800
Width	mm	1650	1650	1650
Height	mm	1700	1700	1700

Items	unit	QC12Y-8x2500	QC12Y-8x3200	QC12Y-8x4000
Max. cutting thickness	mm	8	8	8
Max. cutting width	mm	2500	3200	4000
Tensile strength of plate to be cut	N/mm2	450	450	450
Cutting angle	deg	1.5	1.5	1.5
Travel distance of back gauge	mm	20-600	20-600	20-600
Throat depth	mm	150	150	150
Stroke speeds	spm	14	12	10
Main motor	kW	7.5	7.5	11
Length	mm	3040	3860	4800
Width	mm	1700	1700	1700
Height	mm	1700	1700	1700

Items	unit	QC12Y-10x2500	QC12Y-10x3200	QC12Y-10x4000
Max. cutting thickness	mm	10	10	10
Max. cutting width	mm	2500	3200	4000
Tensile strength of plate to be cut	N/mm2	450	450	450
Cutting angle	deg	1.5	1.5	1.5
Travel distance of back gauge	mm	20-600	20-600	20-600
Throat depth	mm	150	150	150
Stroke speeds	spm	12	10	10
Main motor	kW	11	15	15
Length	mm	3040	3860	4800
Width	mm	1700	1700	2100
Height	mm	1700	1700	2000

Items	unit	QC12Y-12x2500	QC12Y-12x3200	QC12Y-12x4000
Max. cutting thickness	mm	12	12	12
Max. cutting width	mm	2500	3200	4000
Tensile strength of plate to be cut	N/mm2	450	450	450
Cutting angle	deg	2	2	2
Travel distance of back gauge	mm	20-800	20-800	20-800
Throat depth	mm	150	150	150
Stroke speeds	spm	12	10	10
Main motor	kW	15	15	18.5
Length	mm	3140	4000	4800
Width	mm	1800	1800	2000
Height	mm	1700	1700	2000

Items	unit	QC12Y-16x2500	QC12Y-16x3200	QC12Y-16x4000
Max. cutting thickness	mm	16	16	16
Max. cutting width	mm	2500	3200	4000
Tensile strength of plate to be cut	N/mm2	450	450	450
Cutting angle	deg	2	2	2
Travel distance of back gauge	mm	20-800	20-800	20-800
Throat depth	mm	150	150	150
Stroke speeds	spm	10	10	10
Main motor	kW	15	18.5	22
Length	mm	3140	3880	4800
Width	mm	2150	2150	2150
Height	mm	2000	2000	2200

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