

# XCSQ-50×70 wet High intensity magnetic separator



## Application

This machine can be used by scientific research and experimental units of metallurgy, geology, building materials, chemical industry, light industry and other departments as experimental research for separating medium to weak magnetic minerals. It can also be used for inspection of

relevant factories and mines, control of production technical indicators and improvement of technological process.

## Main technical parameters

NO	Item	model	unit	remark
1	Sorting box size	50×70×220	mm	
2	Magnetic field intensity	0~23000	Oe	
3	Excitation power supply	inlet (Single phase AC circuit)	220V, 50Hz	
		outlet (Direct current)	0~118V, 1~ 25A	
4	Coil cooling mode			Forced air cooling
5	Max feeding size	≤ 1	mm	
6	capacity (raw material)	40~50	Kg/h	
7	Total power	≤ 4	KVA	
8	dimension (L×W×H)	840×550×1415	mm	
9	Weight	795	Kg	

## Brief introduction of equipment structure

The machine is composed of magnetic system, ore feeding, ore receiving, program controller, separation box, water supply system, rack, etc.

### 3.1 magnetic system:

3.1.1 Core: A U-shaped magnetic circuit is assembled from five DT3 pure electrical iron. The cross-section size of the core is 130 \*220.

3.1.2 Exciting winding: Made of double glass wire wrapped flat copper wire into magnetizing winding, eight coils are arranged in series on both sides of the separation area, and a fan cooling winding is set up.

3.1.3 sorting box: It consists of five DT3 pure iron teeth and two aluminium baffles. There are two sets of sorting boxes with a sorting clearance of 1.5 and 3 feet for replacement according to need. (optional configuration for high gradient sorting box)

### 3.2 Feeding, Digging and Connecting Devices