ASC Coil Car

V-Type Coil Car Model: CCV-30M74R18F

DESCRIPTION:

The 30,000-lb (13.608-kg), Rotating, V-Type Coil Car is a rugged, hydraulically-powered, electrically-controlled machine for transferring coil stock, weighing up to 30,000-lb (13.608- kg), between various equipment in a coil handling entry system.

The Coil Car consists basically of three (3) main components; the platen, the main drive frame and the hydraulic power system. The track will be a flush in floor type.

The platen is composed of a welded-steel, V-shaped frame mounted onto a 20 ½-in (521mm) nominal diameter thrust bearing which features an external 2-in (51mm) gear face. This bearing is then mounted onto a steel plate, which is secured atop the main frame's lift cylinder. Two (2) gear/rack assemblies provide the platen additional support for transporting wide coils. A 20.6 cu.in/rev. (335 cu.mm./rev.) gerotor hydraulic motor provides the rotation power.

The main frame is composed of a welded, structural steel frame riding on four (4), shaft-mounted 10-in (254mm) diameter steel wheels with only two of the wheels being driven. Another hydraulic motor is utilized to chain-drive the wheels and provide the coil car's lateral travel capability. The main frame also mounts the 8-in (203mm) bore, 18-in (457mm) stroke lift cylinder for elevating the platen.

The standard coil car utilizes the hydraulic power unit found in the Uncoiler as the source of hydraulic power for the coil car operations.

The optional hydraulic system incorporates a 5-hp, 1800 rpm TEFC electric motor coupled to a variable volume, pressure compensated, hydraulic pump to deliver 8 gpm (30 lpm) at 850 psi (58,6 bar) to the hydraulic motors and lift cylinder. A 10 gallons (38 litres) reservoir is provided and mounts to the underside of the main frame.

The track is manufactured from 60# crane rails with steel angle backups. Gage distance between rails is 45-in (1143mm). The track can be ordered in any length depending on application.

Electrical service is brought to the motor with the aid of a sectional cable carrier.

SPECIFICATIONS:

Coil Dimensions:

Maximum O.D.	80-in (2032mm)

Maximum Width	74-in (1880mm)
Maximum Weight	30,000-lb (13.608-kg)
Platen:	
Lowered Height	32-in (813mm)
Total Lift Range	18-in (457mm)
Lift Cylinder	8-in (203mm) bore; Hydraulic
Rotation Range	360°
Rotation Power	Hydraulic Motor
Main Frame:	
Wheels	(4) 10-in (254mm) diameter
Drive Power	Hydraulic Motor
Hydraulic System (optional):	
Motor	5-HP
Reservoir	10 gallons (38 liters)
Dimensions:	
Width	59 ½ in (1511mm)
Length	64 ½ in (1638mm) Platen Weldmen
Width	30-in (762mm) Length 55 ¾-in (1416mm)
Track Length:	Various