



# CRF-12

## Technical Data Sheet

### Cemented Rock Fill Carrier

#### CRF-12 Equipment Description

The CRF-12 is a combination of the 12-ton articulating chassis and the Cemented Rockfill Slurry mixer (CRF.) The carrier is a self-contained machine that carries its own supply of cement slurry. This unit is an integral part of the CRF Backfill process, being able to quickly and sufficiently transport and batch cement slurry with minimal wash-down while being entirely controlled on a single carrier.

#### CRF-12 Examples Include:

- Capable of higher output volumes compared to in-place mixing
- One unit compared to numerous transportations, loading and mixing equipment
- Self contained mine services
- Reduced dust
- Reduced daily maintenance compared to conventional wet mix equipment
- Frequent stop and start (during batching)
- Quicker cycle times

The CRF carrier Unit is a PLC controlled high-shear unit designed for the efficient production of cement-based slurries. The product produced exhibits its colloidal properties and is nearly immiscible in water. It will mix a wide range of materials such as cement: P.F.A, pre-blends, bentonite Lime or chemicals

#### CRF Advantages Include:

- Portability
- Cement bags, bulk bags or silo feed capable
- PLC controlled for fully automatic unattended operation
- Self-cleaning/purging
- Incorporates proven colloidal mixer as scale, mixer and pump
- Rapid underground assembly
- Ideal for backfilling in remote areas





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#### Equipment Information

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| <b>Power Unit</b>     | Electric, 2 x 30 HP motors (575 Volt)               |
| <b>Output</b>         | Up to 375 Tons CRF per shift                        |
| <b>Pressure</b>       | Depends on select pumps                             |
| <b>Batch Capacity</b> | Please contact for full Batch capacity information. |

#### CRF-12 Equipment Features

##### Chassis and Axles

HEAVY DUTY, DURABLE AND DEPENDABLE

The CRF-12 chassis is fine tuned with Central Articulated turning, innovative state-of-the-art axles, four driving wheels and four-wheel braking system allowing for excellent maneuverability in difficult terrain. Exceptional climbing capacity and great ground clearance facilitates operation in all types of locations.

#### Configuration & Integration

FLEXIBLE DESIGN CONFIGURATION AND INTEGRATION

The CRF-12 unit is offered to the customer with several options allowing for the flexibility of configuration to suit their work environment. The carrier integrates nicely with several Multicrete designed bulk handling, transportation, load and mix stations.

#### Standard Carrier Features

STANDARD FOR EASE OF OPERATION

CRF-12 comes equipped some standard features, which includes:

- Backup camera
- Ample Lighting
- Water booster pump
- Onboard form release system
- Pressure washer for easy cleanup
- 12-ton material capacity hopper
- Robust, onboard PLC controlled system designed to provide consistent feed rate



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### Key Benefits Include:

- ❖ SINGLE Carrier
- ❖ Safe Operation
- ❖ Minimal Manpower
- ❖ Available 24/7
- ❖ Mitigation of Dust
- ❖ Easy Cleanup
- ❖ Easy Maintenance
- ❖ Less Material Waste
- ❖ Integrates without Support Solutions Including:
  - Bulk Cement Handling Solutions
  - Cement Transportation Solutions
  - Loading and Mixing Station Solutions