

## 2 Technical Specification

### 2.1 Motor List

TABLE 1 - DISC FILTER DF 520 x 27/30

Description	Inst. Power	RPM/No. of poles	Mount. pos.	Remark
Main drive	20 hp	nom.1200 rpm (60Hz)	F1 Foot motor	Frequency controlled supplied by Customer
Screw conveyor	30 hp	1200/2-poles (60Hz)	F1 Foot motor	Supplied by Customer
Oscillating cleaning shower	2 hp	1800/4-poles (60Hz)	U Flange Foot Mounted Gear Motor	Motor with brake, Supplied by Kværner Pulping

## 2.2 Operating Data

TABLE 2 -OPERATING CONDITIONS

OPERATING CONDITIONS	DF x 27/30
Stock	85% ONP / 15% OMG
Tonnage inlet per filter	892,5 ADSTD
Inlet consistency	0,7 - 0,8 %
Outlet consistency, on disc	12%
Temperature	100 °F
Freeness	Min 150 CSF
Filtrate quality	Cloudy 500 ppm Clear 100 ppm
Air content	Less than 2%

## 2.3 Interlocking List

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For correct start-up sequence, the motors must be interlocked as follows:

1. Agitator and pulp pump after the filter.
2. Screw conveyor (Speed indicator must be installed at the end opposite to the drive. Important).
3. Shower pump.
4. Drive for the cleaning showers.
5. Main drive.
6. Pump for pulp to the disc filter.

When one pump/drive stops, all the following drives in the sequence shall stop.

For service purposes, it should be possible to operate the motor for the wire cleaning shower and the motor for the main drive from a local control panel.