

CHAPTER 1

TECHNICAL and APPLICATION DATA

1.0 BRIEF SPECIFICATION:

1.1 Drive Unit:

Belt width	1050mm
Actual belt width	900mm
Belt speed	2.14 m/s nominal with 1450 RPM input
Type	Stepped Scout C2 Single motor
Drive drums	686 Diameter
Power source	1 x 150kw foot mounted motor
Gearbox	D700/08 ratio 4.52:1 (1 st stage reduction)
Spurwheel	Gearbox to spurwheel ratio 5.333:1 (2 nd stage reduction)
Coupling	Type 20FCU fluid coupling

1.2 Hand Winch Loop:

Belt width	1050mm
Pulling Unit	3.0 tonne winch

2.0 GENERAL DESCRIPTION

The Scout conveyor supplied, may be identified in five sections as follows:-

- a) Drive Unit
- b) Loop Take Up Unit
- c) Tail End Unit