



WALKING DRAGLINE

DESCRIPTION

W2000

Bucket capacity

24 cum

Boom length

95.6 mtrs

Weight

Ballast(min.density 4.75 ton/cum)

214 tonnes

Working Weight

1913700 kg

Hoist Motor

a) No. of Motors

2

b) Horse Power, hp(kW)

2 x 1300 (970kW)@475V

c) Speed

2.98 m/s

Drag Motor

a) No. of Motors

2

b) Horse power, hp(kW)

2 x 1300 (970kW)@475V

c) Speed

2.86 m/s

Swing Motor

a) No. of Motors

3

b) Horse power, hp (kW)

3 x 640 (480kW)@475V

c) Speed

0.13 rad / sec

Walk Motor

a) No. of Motors

2

b) Horse Power, hp (kW)

2 x 640 (480kW)@475V

c) AC Main Motor, hp (kW)

2 x 1750 hp (1305kW)

Ropes

Hoist

2 x 60mm dia - 259 mtrs

Drag

2 x 70mm dia - 137 mtrs

Boom Hoist

1 x 42 mm dia - 500 mtrs

Drum rope

38 mm dia -21 mtrs

Working Ranges

a) Boom head height

53.9 mtrs

b) Digging depth

74.5 mtrs

c) Dumping height

39.0 mtrs

d) Operating radius

88.0 mtrs

e) Boom angle

30 deg.

f) Max. suspended load

78 tonnes

g) Walking speed -Normal

4.0 mtrs/min

h) Cycle time - 90 degrees

67.21 Sec.

i) Gradeability

10%

Shoe Bearing area = 95.2 m²

Base Bearing pressure = 1.01 kg/sq.cm

Base Bearing area = 182.65 sq.m