

WALKING BEAM FURNACE (OFAG MAKE)

TECHNICAL DATA:

1.1 DIMENSIONAL AND TECHNICAL SPECIFICATIONS:

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|---|-------------------------------|
| Furnace type | Walking beam type (OFAG MAKE) |
| Furnace nominal capacity | 12.5 ton / Hrs |
| Maximum furnace temp | 1230 °C |
| Distance between charging & Discharging center line | 23000 mm |
| Furnace inside width | 3300 mm |
| Furnace outside width | 4650 mm |
| Furnace outside length Excluding charging table | 33230 mm |

1.2 BLOOM SIZE RANGE

250 X 200 MM.
200 X 180 MM.
180 X 180 MM.
164 X 147 MM.
145 X 145 MM.

1.3 BLOOM HANDLING.

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|-----------------------|---|
| Method of charging | Side charging on rollers outside the furnace in single row and subsequent transfer to hearth by means of extended walking beam. |
| Method of discharging | End discharging on rollers outside the furnace by peel bar mechanism. |

1.4 COMBUSTION SYSTEM

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| No of zones Heating system | Three (Soaking, Heating, Pre heating) End fire in soaking and heating zone |
| Types of burner | All burners make wesmen ITP - BNCON 4A With liquid Furnace oil/ LDO |
| No of combustion blower Atomizing compressor | Two External compressed air supply |

1.5 RECUPERATOR AND FLUE EXHAUST SYSTEM

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| Type of recuperator | Multi tubular cross center flow type |
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Damper
Type of chimney
Chimney height

Butter fly type
Natural drought
22 met.

1.6 MECHANICAL

No of walking beam
Cycle time
Traverse stroke
Lifting stroke

Two
60 sec
300/200 mm
120 mm