

HB 6000/8000

Large Journal Capacity

Horizontal Hard Bearing Balancing



Specifications	
Max diameter over bed	2100 mm (83 in)
Max diameter over belt drive	1550 mm (61 in)
Bed Length	1500 / 3500 / 4500 mm (59 / 138 / 177 in)
Max Weight	6000 / 8000 kg (4400 / 6600 / 8800 lbs)
Motor Power Belt Drive	11 / 15 kW (15 / 20 Hp)
Motor Power End Drive	15 / 22 kW (20 / 30 Hp)



Accurate & High Quality Electronics

Balance Run
 Encoder Angle: L, R
 RPM: 478
 Amount: +35.5 g
 Angle: 279 deg
 Static Plane: +15.5 g, 280 deg
 Amount: +19.0 g, Angle: 279 deg
 Tol = 14.5 g, Tol = 20.8 g

Tolerance
 Max Operational Speed: 2800 rpm
 Job Weight: 1200 kg
 Journal Weight Left: 1000 kg
 Journal Weight Right: 1000 kg
 Type: ISO1940
 API: API1610-4WN, API1610-8WN

Rotor Data Entry
 Rotor ID: Crusher Rotor
 Measurements: 2500, 2800, 2600, 2000, 3500, 3200 rpm
 Corrections: Correction Left, Right, Static, 2P, SC
 Tolerances: Left 14.5, Right 20.8, Stat: 28.0
 Drive Type: Belt, End
 Speed Range: 10-200, 200-1000, 1000-4000, 4000-12000 rpm

Advantages of Hard Bearing Machines over Soft Bearing Machines:

- No trial runs required, Unbalance measured with first run
- Safer with Start-up and Large initial unbalances due to rigid construction and no shaking
- Safer and easier to balance overhung rotors

Sealed Pick-up Sensors

Laser Speed Sensor

Position Encoder



Detailed Print Reports

Peterson Balancing Supply 510-344-3454		
Dynamic Balancing Report		
Date: 22/10/2015	Time: 3:34 PM	
Job Data		
Job No: 1128534	Operation Speed: 3000 rpm	Customer: Johnson Traction
Description: Rotor X34TT	Max: 6150 lbs	
Balancing Data		
a = 4.5 in	b = 18.0 in	c = 6.0 in
r _L = 23.0 in	r _R = 22.0 in	Balancing Speed = 475 rpm
Tolerance Data		
Type: API 610-8WN	Upper Static Plane: 0.7680 oz	Upper Right Plane: 0.3920 oz
Upper Left Plane: 0.3750 oz		
Results		
Initial Amount: +3.3 oz Final Amount: +3.9150 oz	Initial Angle: 283 deg Final Angle: 272 deg	Initial Amount: +4.8 oz Final Amount: +0.9065 oz
Initial Angle: 188 deg Final Angle: 158 deg	Initial Amount: +0.2071 oz Final Amount: 0.0000 oz	Initial Angle: 188 deg Final Angle: 158 deg
Result: In tolerance		
Your job has been balanced on the most sophisticated COETZ Balancing Machine by our trained technicians		
Technician	Supervisor	
Name: Operator: James Anderson		