



ASPHALT MIXING PLANT

MODEL : PAP500S

TECHNICAL SPECIFICATIONS

POWERPAC
POWERPLUS GROUP INC., USA

MAIN SPECIFICATIONS

1. Capacity: (t/h) 40-50
2. Oil Consumption: (kg/t) 5-7.5 (Asphalt)
3. Measuring Accuracy
Aggregate: (%) ± 0.5
Filler: (%) ± 0.5
Asphalt: (%) ± 0.25
4. Dust Cleaning Efficiency
Dust Remove with Water : (mg/Nm³) ≤ 200
(Concentration of discharging power and dust)
Dust Remove with Bag Filter: (mg/Nm³) ≤ 100
(Dust extract with hop-pocket)
5. Mix Equitability: Meet for any quality of work
6. Mode of Operation: Manual, Automatic
7. Overall L×W×H: (m) 36×34×12
8. Total power: (kW) 125

COLD AGGREGATE FEEDING SYSTEM

Cold material hopper (3 hoppers): 1 set
Cubage of hopper: (m³) 6
Hopper (L×W): (mm) 3200×2400
Capacity: (t/h) 80
Power: (kW) 2 x 3
Power of middle filter: (kW) 0.25
Power of Pulsator: (kW) 0.25

DRYER SYSTEM

Diameter: (mm) 1200
Length: (mm) 5500
Thickness: (mm) 10 (armor plate)
Power: (kW) 11
Capacity: (t/h) 80 (water $\leq 3\%$)
Obliquity of installation: (°) 3.5
Temperature of air: (°C) ≤ 130

BURNER SYSTEM

Max. oil consumption: (kg/h) 350
Oil pump power: (kW) 2.2
Fan motor power: (kW) 11

HOT MATERIAL ELEVATOR

Model: Upright chain
Power: (kW) 7.5
Capacity: (t/h) 80

DUST CLEANING SYSTEM

Water dust remover: 1 set
Power of exhaust fan: (kW) 18.5
Efficiency: (mg/Nm³) ≤ 400

VIBRATING SCREEN SYSTEM

Vibrating screen with 4 tiers(double-shaft outside): 1 unit
Power: (kW) 7.5
Capacity: (t/h) 80
Specification of mesh: Made in the order



WEIGHING SYSTEM

Cubage of Aggregate Weighing Device: (kg) 700
Scale of Sensor: (kg/unit) 3x1000
Weighing Accuracy: (%) ± 0.5
Cubage of Filler Weighing Device: (kg) 100
Scale of Sensor: (kg/unit) 3x100
Weighing Accuracy: (%) ± 0.25
Cubage of Asphalt Weighing Device: (kg) 70

MIXER SYSTEM

Mixing capacity: (kg/batch) 500
Motor power: (kW) 2x11

FILLER FEEDING SYSTEM

Cubage of filler storage: (m³) 3
Power of elevator: (kW) 4

WORKING FRAME SYSTEM

Structure of Mixing Plant: 4 Tiers(including vibrating screen)
Width: (mm) 2000
Height: (mm) 3500

AIR COMPRESSOR SYSTEM

Cubage: (m³) 1.05
Power: (kW) 7.5
Wind Pressure: (MPa) 0.7

ELECTRICAL CONTROL SYSTEM

Voltage of source: (V) 380
Control voltage: (V) 220
Control mode: Automatic, Half- Automatic, Manual
Overall: (mm) 3000 x 2260 x 2500

ASPHALT SPRAYING AND FEEDING SYSTEM

Power of pump: (kW) 2×5.5