

TECHNICAL PASSPORT FOR 350T/H CRUSHING PLANT

Year Built-in : 2012

The 350 ton per hour capacity of Crushing & Screening Plant is built in year 2012 |
Woongjin heavy Industries in Korea and consist of equipments described below.



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GENERAL SPECIFICATION

1. MODEL NO. WJCP-350
2. TYPE STATIONARY CRUSHING PLANT
3. INPUT CAPACITY 350 T/H
4. RAW MATERIAL GRANITE / LIMESTONE / OTHERS

RIVER GRAVEL / MOUNTAIN ROCK
5. FEED SIZE
1) MAX. FEED SIZE 450H X 500W X 650L MM
2) NORMAL FEED SIZE

SIZE(MM)	0~40	40~250	250~600	TOTAL
%	25	35	40	100

6. FINAL GRAINS SIZE
40 ~ 20MM
20 ~ 19MM
10 ~ 05MM
05 ~ 0MM

7. ELECTRIC CONDITION
1) POWER SOURCES AC 3 PHASE X 50 HZ X 380 V
2) CONTROL SOURCES AC 1 PHASE X 50 HZ X 220 V

8. ACTUAL POWER REQUIREMENT
TOTAL 1500.2 KW
NORMAL 1200 KW

I. MAIN EQUIPMENT

1) FEEDER HOPPER / 1UNIT.

MADE OF
RECEIVING CAPACITY

REINFORCED STEEL PLATE
20m'

2) RECIPROCATING FEEDER / 1UNIT

MODEL NO.
TYPE
SIZE

WVF - 1245P
HORIZONTAL
WIDTH 1,200MM
LENGTH 4,500MM

MAX. FEED SIZE
CAPACITY
FREQUENCY
MOTOR

900 MM
300-400T/H
600-900CPM
22KW X 4P V.S MOTOR

3) JAW CRUSHER / 1UNIT

MODEL NO.
TYPE
FEEDING OPENING
MAX. FEED SIZE
DISCHARGE SETTING
CAPACITY
PULLEY REVOLUTION
MOTOR

WJC-4840
SINGLE TOGGLE
1,200MM x 1,000MM
450MM X 600MM X 900MM
125 ~ 225MM (OPEN SIDE)
260 ~ 416T/H (BASED UPON LIMESTONE)
250 RPM
150KW X 8P

4) CONE CRUSHER / 1 UNIT

MODEL NO
TYPE
MANTLE DIAMETER
FEED OPENING

WCC -1680ST
STANDARD TYPE
1,680 MM
235MM(CLOSED SIDE)
265MM (OPEN SIDE)
135MM X 160MM X 175 MM
20~60MM (CLOSED SIDE)
190 ~ 410 T/H (BASED UPON LIMESTONE)
630 RPM
200KW X 8P

5) CONE CRUSHER / 1 UNIT

MODEL NO
TYPE
MANTLE DIAMETER
FEED OPENING

WCC - 1680SH
SHORT HEAD TYPE (FINE)
1,680 MM
100MM(CLOSED SIDE)
140MM (OPEN SIDE)
85MM X 105MM X 115 MM
10~25MM (CLOSED SIDE)
125~225 T/H (BASED UPON LIMESTONE)
510 RPM
200KW X 8P
T.E.F.C INDUCTION MOTOR

6) VIBRATING SCREEN / 2 UNITS

MODEL NO	WVS-2470
TYPE	RIPPLE FLOW TYPE
NUMBER OF DECKS	TRIPPLE
SCREEN SIZE	WITH 2,400MM
	LENGTH 7,000MM
SCREENING SIZE	TOP 40MM
(ADJUSTABLE)	INTERMEDIATE 25MM
	BOTTOM 6MM
FREQUENCY	750 CPM
SIEVE AREA	14.4 m ²
CAPACITY	250 T/H
MOTOR	37KW X 4P X 2SET

7) VIBRATING SCREEN / 1 UNIT

MODEL NO	WVS-2160
TYPE	RIPPLE FLOW TYPE
NUMBER OF DECKS	TRIPPLE
SCREEN SIZE	WITH 2,100MM
	LENGTH 6,000MM
SCREENING SIZE	TOP 20MM
(ADJUSTABLE)	INTERMEDIATE 10MM
	BOTTOM 6MM
FREQUENCY	750 CPM
SIEVE AREA	12.6 m ²
CAPACITY	200 T/H
MOTOR	30KW X 4P
WATER PUMP	37KW X 4P X 380V X 50HZ

8) VERTICAL IMPACT CRUSHER

MODEL NO	WVI - 600
TYPE	ROCK ON ROCK
ROTOR DIAMETER	1,150 MM
MAX. RPM	1450
MAX. SPEED(M/S)	75
MAX. FEED SIZE	60MM
CAPACITY	100 ~ 350 T/H
MOTOR	225KW X 8P X 2SET

II. BELT CONVEYORS

1) NO.1 BELT CONVEYOR / 1 UNIT

TYPE	STATIONARY
LOADING CAPACITY	350T/H
BELT WIDTH	1,200MM
CONVEYOR LENGTH	5,000 MM
BELT SPEED	90 M / MIN.
MOTOR	11KW X 4P X 1/30 GEARD MOTOR

2) NO.2 BELT CONVEYOR / 1 UNIT

TYPE	STATIONARY
LOADING CAPACITY	350T/H
BELT WIDTH	1,200MM
CONVEYOR LENGTH	18,000 MM
BELT SPEED	90 M / MIN.
MOTOR	22KW X 4P X 1/30 GEARD MOTOR

3) NO.3 BELT CONVEYOR / 1 UNIT

TYPE	STATIONARY
LOADING CAPACITY	350T/H
BELT WIDTH	1,200MM
CONVEYOR LENGTH	10,000 MM
BELT SPEED	90 M / MIN.
MOTOR	11KW X 4P X 1/30 GEARD MOTOR

4) NO.4 BELT CONVEYOR / 1 UNIT

TYPE	STATIONARY
LOADING CAPACITY	250T/H
BELT WIDTH	1,050MM
CONVEYOR LENGTH	25,000 MM
BELT SPEED	90 M / MIN.
MOTOR	22KW X 4P X 1/30 GEARD MOTOR

5) NO.5 BELT CONVEYOR / 1 UNIT

TYPE	STATIONARY
LOADING CAPACITY	250T/H
BELT WIDTH	900MM
CONVEYOR LENGTH	11,000 MM
BELT SPEED	90 M / MIN.
MOTOR	15KW X 4P X 1/30 GEARD MOTOR

6) NO.6 BELT CONVEYOR / 1 UNIT

TYPE	STATIONARY
LOADING CAPACITY	250T/H
BELT WIDTH	1,050MM
CONVEYOR LENGTH	16,000 MM
BELT SPEED	90 M / MIN.
MOTOR	22KW X 4P X 1/30 GEARD MOTOR

7) NO.7 BELT CONVEYOR / 1 UNIT

TYPE	STATIONARY
LOADING CAPACITY	250T/H
BELT WIDTH	800MM
CONVEYOR LENGTH	18,000 MM
BELT SPEED	90 M / MIN.
MOTOR	11KW X 4P X 1/30 GEARD MOTOR

8) NO.8 BELT CONVEYOR / 1 UNIT	
TYPE	STATIONARY
LOADING CAPACITY	250T/H
BELT WIDTH	750MM)
CONVEYOR LENGTH	11,000 MM
BELT SPEED	90 M / MIN.
MOTOR	11KW X 4P X 1/30 GEARD MOTOR
9) NO.9 BELT CONVEYOR / 1 UNIT	
TYPE	STATIONARY
LOADING CAPACITY	250T/H
BELT WIDTH	8,000 MM
CONVEYOR LENGTH	11,000 MM
BELT SPEED	90 M / MIN.
MOTOR	11KW X 4P X 1/30 GEARD MOTOR
10) NO.10 BELT CONVEYOR / 1 UNIT	
TYPE	STATIONARY
LOADING CAPACITY	250T/H
BELT WIDTH	11000 MM
CONVEYOR LENGTH	11,000 MM
BELT SPEED	90 M / MIN.
MOTOR	15KW X 4P X 1/30 GEARD MOTOR
11) NO.11 BELT CONVEYOR / 1 UNIT	
TYPE	STATIONARY
LOADING CAPACITY	200T/H
BELT WIDTH	750MM
CONVEYOR LENGTH	18,000 MM
BELT SPEED	90 M / MIN.
MOTOR	15KW X 4P X 1/30 GEARD MOTOR
12) NO.12 BELT CONVEYOR / 1 UNIT	
TYPE	STATIONARY
LOADING CAPACITY	200T/H
BELT WIDTH	950MM
CONVEYOR LENGTH	15,000 MM
BELT SPEED	90 M / MIN.
MOTOR	15KW X 4P X 1/30 GEARD MOTOR
13) NO.13 BELT CONVEYOR / 1 UNIT	
TYPE	STATIONARY
LOADING CAPACITY	250T/H
BELT WIDTH	700MM
CONVEYOR LENGTH	10,000 MM
BELT SPEED	90 M / MIN.
MOTOR	11KW X 4P X 1/30 GEARD MOTOR
14) NO.14 BELT CONVEYOR / 1 UNIT	
TYPE	STATIONARY
LOADING CAPACITY	250T/H
BELT WIDTH	900MM
CONVEYOR LENGTH	15,000 MM
BELT SPEED	90 M / MIN.
MOTOR	15KW X 4P X 1/30 GEARD MOTOR

15) NO.15 BELT CONVEYOR / 1 UNIT

TYPE	STATIONARY
LOADING CAPACITY	250T/H
BELT WIDTH	600MM
CONVEYOR LENGTH	15,000 MM
BELT SPEED	90 M / MIN.
MOTOR	7.5KW X 4P X 1/30 GEARD MOTOR

16) NO.16 BELT CONVEYOR / 1 UNIT

TYPE	STATIONARY
LOADING CAPACITY	200T/H
BELT WIDTH	600MM
CONVEYOR LENGTH	15,000 MM
BELT SPEED	90 M / MIN.
MOTOR	7.5KW X 4P X 1/30 GEARD MOTOR

17) NO.17 BELT CONVEYOR / 1 UNIT

TYPE	STATIONARY
LOADING CAPACITY	200T/H
BELT WIDTH	600MM
CONVEYOR LENGTH	15,000 MM
BELT SPEED	90 M / MIN.
MOTOR	7.5KW X 4P X 1/30 GEARD MOTOR

18) NO.18 BELT CONVEYOR / 1 UNIT

TYPE	STATIONARY
LOADING CAPACITY	200T/H
BELT WIDTH	600MM
CONVEYOR LENGTH	15,000 MM
BELT SPEED	90 M / MIN.
MOTOR	7.5KW X 4P X 1/30 GEARD MOTOR

III CONTROL EQUIPMENT

1 - 1 PRIMARY CONTROL PANEL / 1 SET

FOR JAW CRUSHER STARTER WITH AUTO - TRANSFORMER
3TAPS (50 , 65 AND 80%)
FOR VIBRATING GRIZZLY FEEDER , SCALPING SCREEN ,
VIBRATING SCREEN , NO.1 , 2 , 13 , 14 , 15 BELT CONVEYORS
MAGNETIC STARTERS

1 - 2 SECONDARY PANEL / 1 SET

FOR CONE CRUSHER STARTER WITH AUTO - TRANSFORMER
3TAPS (50 , 65 AND 80%)
AND OIL UNIT MAGNETIC STARTERS

1 - 3 TERTIARY PANEL / 1 SET

FOR VIBRATING SCREEN AND NO.3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12
BELT CONVEYORS
MAGNETIC STARTERS

1 - 3 REMOTE OPERATION DESK / 1 SET

V.S CONTROLLER FOR VIB FEEDER , EMERGENCY P . B SWITCH
START & STOP P . B SEITCH FOR ALL MOTOR
AMPERE METER FOR JAW CRUSHER , CONE CRUSHER , VIB.SCREEN
LUB. OIL TEMP. INDICATOR & CONTROLLER FOR CONE CRUSHER