



CITF PA19-029

HILTI DST 20-CA Wall Saw



PRODUCT PRESENTATION

Applicant Name: HILTI (HONG KONG) LIMITED

Product Name: HILTI DST 20-CA Wall Saw

Specification:

Rated Voltage: 380 to 480V

Output Power: 16.4kW (Continuous operation @100%)

Max. Cutting Depth: 73cm (1600mm Blade)

Protection Class: IP65

Weight: 32kg

Remote Control: Wireless



Core Functions:

- Cutting and extending openings in concrete walls and floors, precise demolition of walls and floors with low vibration, cutting through heavily reinforced concrete, synthetic and natural stone, brick and block and other mineral-based materials, cutting in tight spaces and where access is difficult, facade and balcony renovation

Technology Used:

- Cut Assist, traction control, cutting depth indicator

Construction Process involved:

- Precise cutting and extending openings in concrete walls

Key Improvement in Construction Process:

- Productivity
- Safety

Job Reference:

- Macau Wynn, Casino A&A work, staircase removal and large area openings , 2018
- Trust Tower, Johnston Road, wall removal, 2018
- M+, Kowloon, wall removal, 2018

INNOVATIVE FEATURES

Core Technology:

- **Cut Assist:** The only wall saw can perform automated cut after inputting several jobsite parameters.
- **Traction Control:** Maximum sawing performance
- **Cutting Depth Indicator:** The only model indicating the cutting depth in the remote control in which the operator doesn't have to go behind the blade guard to look how much is cutting.
- **First Launch Date:** 2018

- ~50% lower system weight
- 2.5 x higher starting torque
- Lower repair frequency as fewer error prone cables, plugs, and no E-box.
- Wireless control for accurate cutting control



	Hilti DST 20-CA	Husqvarna WS482 + PP480	Pentrunder CBK + PP 427	Tyrolit WSE 1217
Power supply	16 / 25 / 32A	32 A	32 A	16 / 32 A
Power S1	16.4 kW	17 kW	18 kW	17 kW
Start blade ø	32 in.	39 in.	36 in.	32 in.
Max. blade ø	62 in.	62 in.	62 in.	48 in.
Max. cutting depth	29 in.	29 in.	28 in.	21 in.
Weight saw head	71 lbs.	62 lbs.	93 lbs.	82 lbs.
FC flange	8 lbs.	integrated	integrated	integrated
Remote control	wireless	wireless	cable	wireless
Weight e-box	no e-box	51 lbs.	57 lbs.	48 lbs.
Cut Assist	yes	n.a.	n.a.	n.a.

ADOPTION EXAMPLE

Project for Illustration:

- Macau Wynn, Casino A&A work, staircase removal and large area openings , 2018

Work Process: Staircase removal

Use/ Function in Project:

- Customers use HILTI wall saw system for stair removal
- HILTI has a special accessory – Angled rail support to facilitate stair (angular) sawing application
- Single saw head (no e-box) system minimize the transportation and set up time to maximize productivity



BENEFIT -PRODUCTIVITY

Improve productivity by:

- **Most Compact Saw Head:** The only wall saw weights 32 kg in the same power class (20kW) without power pack. It greatly reduces the setup and transportation time, reducing much more human effort.
- **Cut Assist Function:** The only wall saw can perform automated cut after inputting several jobsite parameters.
- **High Starting Torque:** High sawing performance and this wall saw can also support small area wire sawing application
- **Ultimate Performance:** With the cutting-edge technology, DST 20-CA can reach a cutting performance of 6–8 meter square per hour.
- **High Frequency Motor:** The electronic panel control the power output to maintain a constant sawing power to maximize the productivity.



BENEFITS - SAFETY

Improve safety by:

- **Depth Indicator:** The only model indicating the cutting depth in the remote control in which the operator doesn't have to go behind the blade guard to look how much is cutting.
- **Wireless Remote Control:** Operators do not need to stay close to the tool while operation to stay away from potential hazard
- **Less System Weight:** The saw head can work without power pack and weights only 32kg which is much safer for the workers to complete the tool setup.

