

1
00:00:13,219 --> 00:00:18,689
hey guy thought we just give you a

2
00:00:15,959 --> 00:00:21,390
little video tour of our prototype just

3
00:00:18,689 --> 00:00:23,430
wanted to let you know this was built as

4
00:00:21,390 --> 00:00:26,579
a prototype this isn't how we would 100%

5
00:00:23,430 --> 00:00:31,500
build all once in the future this is in

6
00:00:26,579 --> 00:00:33,149
a modified sea-can it's 14 feet basic

7
00:00:31,500 --> 00:00:34,829
concept is fans and filters so we're

8
00:00:33,149 --> 00:00:36,360
just pulling air crews like you guys are

9
00:00:34,829 --> 00:00:39,600
doing in your servers using the same

10
00:00:36,360 --> 00:00:42,180
concept for fresh air cooling these are

11
00:00:39,600 --> 00:00:45,329
just louvered fans there are 6,000 CFM

12
00:00:42,180 --> 00:00:46,670
each these louvers are gravity we're

13
00:00:45,329 --> 00:00:49,100

trying to get it as cheap as possible

14

00:00:46,670 --> 00:00:53,940

we've used lures in the past that are

15

00:00:49,100 --> 00:00:55,559

that are motorized and controlled but if

16

00:00:53,940 --> 00:00:59,399

all that adds costs that could be an

17

00:00:55,559 --> 00:01:01,870

option that we could add this units 14

18

00:00:59,399 --> 00:01:04,119

like I said

19

00:01:01,870 --> 00:01:06,299

there that's what we're going to be

20

00:01:04,119 --> 00:01:08,650

building it in is 20 feet in the future

21

00:01:06,299 --> 00:01:12,040

gives us a little bit more airspace in

22

00:01:08,650 --> 00:01:14,950

the front and the back wraps and this

23

00:01:12,040 --> 00:01:17,950

side here is the intake air filter

24

00:01:14,950 --> 00:01:20,290

intake we went with very consumer level

25

00:01:17,950 --> 00:01:23,649

filters because one they're easy to find

26

00:01:20,290 --> 00:01:26,409

and to the chief so anyone can go to

27

00:01:23,649 --> 00:01:28,869

home hardware store and buy these

28

00:01:26,409 --> 00:01:30,940

filters there's 25 inch square filters

29

00:01:28,869 --> 00:01:35,259

then you can choose whatever filter

30

00:01:30,940 --> 00:01:37,090

level you want if you come in we built

31

00:01:35,259 --> 00:01:38,860

we built this all at a plywood and

32

00:01:37,090 --> 00:01:40,899

that's probably what we would use it's

33

00:01:38,860 --> 00:01:43,240

the easiest amount things it's it's

34

00:01:40,899 --> 00:01:45,520

cheap and it's fast and that's probably

35

00:01:43,240 --> 00:01:47,590

how we would do it in the future there'd

36

00:01:45,520 --> 00:01:48,970

be some more metal pieces inside but

37

00:01:47,590 --> 00:01:53,200

again like I said this is the prototype

38

00:01:48,970 --> 00:01:56,520

three racks this has 17 spondoolie that

39

00:01:53,200 --> 00:01:59,500

we bought from you guys the SP 31 s

40

00:01:56,520 --> 00:02:04,360

right now this has a maximum capacity of

41

00:01:59,500 --> 00:02:06,880

72 kW these are about 52 kW we might be

42

00:02:04,360 --> 00:02:08,649

able to get a few more in here once we

43

00:02:06,880 --> 00:02:10,539

balance all the power requirements out

44

00:02:08,649 --> 00:02:13,989

but we just didn't want to overdo that

45

00:02:10,539 --> 00:02:16,660

when we first started this units of 200

46

00:02:13,989 --> 00:02:19,209

out system again like I said 72

47

00:02:16,660 --> 00:02:22,090

kilowatts we can do a 400 out as well

48

00:02:19,209 --> 00:02:25,209

which is double that power and we think

49

00:02:22,090 --> 00:02:29,560

we can get 36 of your SP 35 s into that

50

00:02:25,209 --> 00:02:31,450

unit these are all spaced as you can see

51

00:02:29,560 --> 00:02:35,260

the whole concept is we're pulling air

52

00:02:31,450 --> 00:02:37,510

through as you know fairly rapidly we

53

00:02:35,260 --> 00:02:39,520

need some space in between so we can

54

00:02:37,510 --> 00:02:41,470

actually pull air through and across the

55

00:02:39,520 --> 00:02:43,060

server's so it comes in the front of the

56

00:02:41,470 --> 00:02:45,910

servers and past the server so we can

57

00:02:43,060 --> 00:02:47,140

pull air out the back and evacuate that

58

00:02:45,910 --> 00:02:51,250

heat because it's building up fairly

59

00:02:47,140 --> 00:02:55,540

quickly we've got in this unit we got

60

00:02:51,250 --> 00:02:57,340

you know switch we've got just a

61

00:02:55,540 --> 00:02:58,910

monitoring server here that does

62

00:02:57,340 --> 00:03:01,910

environmental and

63

00:02:58,910 --> 00:03:04,940

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