

b c

b 3

c 6 4

5 b c

6

b 1

1

1

1

370 / 200

2 15 3

i

ii

iii

33.23(a)

iv 4

33.94 (a)

1

c

1

460 1500

V1

2

2

1

2 2 2

1

1

3

3

4

5

0.032 (49.6)

1 85 (0.187)

16

6

(i)

25% (ii) (c)(7) (c)(8)

(iii) (b)(3)

(iv)

7

i

1

1

1

(ii)

2

(iii) 3

75%

(iv) 6

60%

(v) 6

40%

(vi) 1

(vii) 2

75%

§ 33.29 (iii)

(iv) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (/)

§ 33.29 (a)

(b) (c) 30

OEI 2 OEI (1) 30

OEI 2 OEI (2)

(3)

§ 33.63 33.63

§ 33.67 33.67 (a)

(b)

(

) (b)

(1) (2)

(3)

(4)

(i) (ii)

27°C(80°F) 0.2 (0.025)

0°C(32°F) (5)

(

(i) (ii)

(6)

(c) ()

(d)

30 OEI 30 OEI

§ 33.77 33.77 [(a)

[(b)] (c) e (1)
 (2) (d)
 e
 1
 2 3
 c
 (e) c
 1 2
 2 3
 4 -4?C 25?F
 \$33.83 33.83 (a)
 (b)
 2 103
 100
 2
 (c) (1)
 (2)
 (d) e
 (e)
 (f)
 33.5 \$33.85 33.85
 33.85 (a) 33.87
 (b)
 (c) d
 (d) 30
 OEI 2 OEI
 33.87 (f)(1) (8)
 OEI
 \$33.87 33.87 33.87 (a)

(b) (c) (d) (e)

4 120 (1) 3 (2) 30

OEI 30 OEI 30

(3) 2 OEI 2 OEI 2

(4) 30 OEI OEI

30 OEI

OEI 5

65 (5) 50

50 1 (6) 30 OEI 30

OEI 30 (7) 2 OEI

2 OEI 2 (8) 1

(g)

(1)

1 30

(i) 2 5 5 15% (iii) 1

10 2

10 5

(iv) 6 1 2

(2)

4 30

(i)

30

90% 10

5

(g)(2)(ii) (iv) (ii) (g)(2)(i)

80%

10 (iii)

(g)(2)(i) 60%

10 15%

10 (iv) (g)(2)(i) (ii) (v) 30

30 25

5

25

15%

5 (3) 100

25 2 10

10 15

\$33.88 33.88

(a)

42°C(75oF) 5 30

OEI 2 OEI

115% (iii)

115% (iv) 120%

(v) 105%

(vi)

33.28

a 33.5

b

c

d

e

[2002 4 19] 33.29

(a)

(b)

(c) 30

OEI 2

OEI

(1) 30

OEI 2

OEI

(2)

(3)

[2002 4 19] C

:

33.33

33.35

(a)

(b)

(c)

(d)

(e)

()

33.37

(2) 20 1 1/2
 1/2 75% 91%
 (3) 20 1 1/2 1/2
 70% 89% (4) 20 1 1/2
 1/2 65% 87%
 (5) 20 1 1/2 1/2
 60% 84.5% (6) 20 1 1/2
 1/2 50% 79.5%
 (7) 20 2 1/2 2 1/2
 (c) (1) 30
 5 5
 30 15 5
 5 70%
 89% (2) 15
 1 1/2 75% 91%
 (3) 15 1
 1/2 70% 89% (4) 30
 (5) 5
 5
 90%
 5
 (6) 10
 1 65%
 87% (7) 10 1
 1 60% 84.5%
 (8) 10 1 1
 50% 79.5% (9) 20 2
 2
 (10) 5
 /
 (d) 29.923 (a) (j)
 (1) 35 30
 (2) 25
 2 1/2 70%
 (3) 25 2 1/2
 80% 90% 70%
 (4) 25 2 1/2 30%
 80% 90% 30% (5) 25
 2 1/2 80% 110%
 103% ()
 (6) 15 105% 105%

105%
 (e)
 (1) (b) (i) (ii) (7)
 2,440 (8,000) (iii) 150
 50 50 (2)
 (d) (i) (d)(1)
 (ii) (d)(2) (3)
 2,440 (8,000) (iii) (d)(4)
 2,440 (8,000) (iv) (d)(5) 80%
 2,440 (8,000) (v) (d)(6)
 (vi)
 50 50 33.51
 5 33.53 (a)
 33.49
 (b)
 33.55 (a)
 (b)
 (c) 33.4
 33.57 (a)
 (b) 33.4
 (c)
 33.61 E 33.62
 33.63

[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]

[Redacted] [2002 4 19 [Redacted]] 33.65 [Redacted] [Redacted] 33.5 (b)

[Redacted] 33.66 [Redacted] [Redacted] 33.7 (c)(11)

33.67 [Redacted] (a)

[Redacted]
[Redacted]
[Redacted]

[Redacted] (b)

[Redacted] ([Redacted] (b)

[Redacted] (1) [Redacted] (2)

[Redacted] (3)

[Redacted]

[Redacted] (4)

[Redacted]

[Redacted] (i) [Redacted] (ii) [Redacted]

27°C(80°F) [Redacted] 0.2 [Redacted] ([Redacted] 0.025 [Redacted])

[Redacted]
[Redacted]

[Redacted] 0°C(32°F) [Redacted] (5)

[Redacted]

[Redacted] ([Redacted])

[Redacted]

[Redacted] (i) [Redacted] (ii) [Redacted]

(6)

[Redacted]

[Redacted] (c) [Redacted] ([Redacted])

[Redacted] (d) [Redacted]

30 [Redacted] OEI [Redacted] 30 [Redacted] OEI

[Redacted] [2002 4 19 [Redacted]] 33.68 [Redacted]

[Redacted] (a) [Redacted] 25 [Redacted] C

[Redacted] ([Redacted])

[Redacted] (b)

[Redacted] 30 [Redacted] 9° [Redacted] °C

[Redacted] (15° [Redacted] 30°F [Redacted]) [Redacted] 0.3 [Redacted] 20

[Redacted] 30

[Redacted]

[Redacted] 33.69 [Redacted]

[Redacted]

[Redacted] 33.71 [Redacted] (a) [Redacted]

[Redacted] (b)

(1) (1)
 (2) (2)
 (3) (3)
 (b)(2) (
 (4) (4)
 (b)(3) (b)(3)
 (5) (5)
 (6) (6)
 (b)(3) (7)
 (c) (1)
 10% (2)
 (3) (3)
 (4) (4)
 (5) (5) “ ” (6)
 (7) (7)
 (8) (8)
 ; (9) (9)
 34.5 (0.35 / 2 5 / 2) (10)
 34.5 (0.35 /
 2 5 / 2) (10)
 (11) (11)
 (12) (12)
 (i) (i)
 (ii) (ii)
 (iii) (iii)
 (d) (d)
 (1) (1)
 (2) (e) (e)
 33.72 (1)
 33.71 (a) 33.73 1
 (a) (a) 1
 (b) (b) 5
 () () 15%
) () 95% () 5

0.064 100 0.0968
 150 1 25 1 50 2
 a 1 b
 B
 3 30
 a 2
 4%
 3 5 6
 3 7
 c a 1 a
 2
 3
 10,500 35,000
 25 1 18,000 60,000 6 (1/4)
 d
 a b c 1
 2
 3
 a b c [2002 4 19
] 33.79
 (a)
 (b) — (c) (d)
 (e)
 F
 33.82
 33.83 (a)
 (b)
 2

100
 2
 (c) (1)
 (2)
 (d) e
 (e)
 (f)
 33.5 [2002 4 19] 33.85 (a)
 33.87
 (b)
 (c) d
 (d) 30
 OEI 2 OEI
 33.87(f)(1) (8)
 OEI
 [2002 4 19] 33.87 (a)
 150
 (b) (g)
 (b) (c) (d) (e) (g)
 25 6 150
 30 OEI 2 OEI
 (f) (1)
 (2)
 (3) (a)(5)
 100% 100%
 (4) 33.7 (c)
 (5) 1/5
 100% (6)

[REDACTED]

[REDACTED] 10 [REDACTED] 15 [REDACTED] 150
[REDACTED] [REDACTED] c [REDACTED] 30 [REDACTED] OEI
[REDACTED] [REDACTED] 30 [REDACTED] OEI
[REDACTED] (1) [REDACTED] 1
[REDACTED] 5 [REDACTED] 5
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED] 5
[REDACTED] (c)(5) [REDACTED] (2) [REDACTED] 30
[REDACTED] OEI [REDACTED] [REDACTED] 30 [REDACTED] OEI [REDACTED] 30 [REDACTED]
(3) [REDACTED] [REDACTED] 2 [REDACTED] (4) [REDACTED]
[REDACTED] 12
[REDACTED] 12 [REDACTED] 2
[REDACTED]
[REDACTED]
[REDACTED] 50% [REDACTED] (5) [REDACTED] 30
[REDACTED] 6
[REDACTED] 30
[REDACTED] 4 1/2 [REDACTED] 1
[REDACTED]
[REDACTED] 2 [REDACTED] (6) [REDACTED] [REDACTED] 100 [REDACTED] 25 [REDACTED] 2
[REDACTED] 10
[REDACTED]
[REDACTED] 10 [REDACTED] 15 [REDACTED] 150
[REDACTED] [REDACTED] d [REDACTED] OEI
[REDACTED] [REDACTED] OEI
[REDACTED] (1) [REDACTED] 1
[REDACTED] 5 [REDACTED] 5
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED] 5
[REDACTED] (c)(5) [REDACTED] (2)
[REDACTED] [REDACTED] 30 [REDACTED] (i) [REDACTED] 25 [REDACTED] 6 [REDACTED] 15
[REDACTED] (ii) [REDACTED] 25 [REDACTED] 6 [REDACTED] 10
[REDACTED] (3) [REDACTED] OEI [REDACTED]
[REDACTED] OEI [REDACTED] 1 [REDACTED] (4) [REDACTED]
[REDACTED] 1 [REDACTED] (5) [REDACTED]
[REDACTED] 12
[REDACTED] 12 [REDACTED] 2
[REDACTED]
[REDACTED]
[REDACTED] 50% [REDACTED] (6) [REDACTED] 30

6
 30
 4 1/2
 1
 2
 10
 15
 150
 (e) 2 1/2
 OEI
 2 1/2
 OEI
 (1) 2 1/2
 OEI 1 5
 5
 3 6
 2 1/2 2 1/2 OEI
 2 1/2
 OEI
 5
 (d)(6) (2)
 25 6 1 30
 (b)(2) 30
 5 (c)(2) 30 OEI 30 5 (d)(3)
 1 OEI 5 (b)(2) (b)(6) (c)(2) (c)(6)
 (d)(2) (d)(7) 2 1/2 OEI f 30
 OEI 2 OEI
 30 OEI 2 OEI
 (b) (c) (d) (e)
 33.93(a)
 (b) (c) (d) (e)
 4 120 (1) 3 (2) 30
 OEI 30 OEI 30
 (3) 2 OEI 2 OEI 2
 (4) 30 OEI OEI
 30 OEI
 5
 65 (5) 50
 50 1 (6) 30 OEI 30
 OEI 30 (7) 2 OEI
 2 OEI 2 (8) 1
 (g)
 (1)
 1 30
 (i) 2 5 5
 (ii) 1 5 5 15% (iii) 1

10 2

10 5

(iv) 6 1 2

(2)

4 30

(i) 30

90% 10

5

(g)(2)(ii) (iv) (ii) (g)(2)(i)

80%

10 (iii)

(g)(2)(i) 60%

10 15%

10 (iv) (g)(2)(i) (ii) (v) 30

30 25

5

15%

5 (3) 100

25 2 10

10 15

[2002 4 19] 33.88

(a) 42°C(75oF)

5 30 OEI 2

OEI

(b) 30

OEI 2 OEI

30

OEI 42oC 75oF 5

(c) 30

OEI 2 OEI

30

OEI 20oC 35oF 4

(d)

[2002 4 19] 33.89 (a)

(1)

() (2) 33.73

(3)

(i) 95%

[REDACTED] OEI
 [REDACTED]
 [REDACTED]
 [REDACTED]
 [REDACTED]
 [REDACTED] A [REDACTED] B [REDACTED] C [REDACTED] D
 [REDACTED] E [REDACTED] F [REDACTED] A [REDACTED] B [REDACTED] C [REDACTED] D [REDACTED] E [REDACTED] F [REDACTED]
 "\$....." [REDACTED] "[REDACTED] [REDACTED]" [REDACTED] FAR-33 [REDACTED] 12 [REDACTED] 20
 [REDACTED] 1 [REDACTED] OEI
 [REDACTED] 2
 [REDACTED]
 [REDACTED] 3
 [REDACTED]
 [REDACTED] 18 [REDACTED]
 [REDACTED] 1988 [REDACTED] 2 [REDACTED] 9 [REDACTED] CCAR-33
 [REDACTED]
 [REDACTED] 2 [REDACTED] 33.7 [REDACTED] C [REDACTED] 30 [REDACTED] OEI
 [REDACTED] 2 1/2 [REDACTED] OEI [REDACTED] OEI
 [REDACTED] 2 [REDACTED] OEI [REDACTED] 30 [REDACTED] OEI
 [REDACTED] (APU) [REDACTED] 3 [REDACTED] 33.28
 [REDACTED] 4 [REDACTED] 33.29 [REDACTED] 30
 [REDACTED] OEI [REDACTED] 2 [REDACTED] OEI
 [REDACTED] 5 [REDACTED]
 33.63 [REDACTED] "[REDACTED] " [REDACTED]
 6 [REDACTED] 33.67 [REDACTED] 30 [REDACTED] OEI
 [REDACTED] 7 [REDACTED] 33.74
 [REDACTED] 8 [REDACTED] 33.77
 [REDACTED] 33.76 [REDACTED], [REDACTED]
 33.78 [REDACTED] 9 [REDACTED] 33.83 [REDACTED] (b)
 [REDACTED] (c)
 [REDACTED] (d)
 [REDACTED] 10 [REDACTED] 33.85 [REDACTED] c [REDACTED] d
 [REDACTED] c [REDACTED] a [REDACTED] b [REDACTED] [REDACTED] d [REDACTED] 30
 [REDACTED] OEI [REDACTED] 2 [REDACTED] OEI
 [REDACTED] 11 [REDACTED] 33.87
 [REDACTED] OEI [REDACTED] 30 [REDACTED] OEI
 [REDACTED] 2 [REDACTED] OEI [REDACTED]
 [REDACTED] a [REDACTED] "[REDACTED] 30 [REDACTED] OEI [REDACTED] 2 [REDACTED] OEI
 [REDACTED] (f) [REDACTED] "[REDACTED] [REDACTED] d
 [REDACTED] OEI
 [REDACTED] [REDACTED] e [REDACTED] §33.87 [REDACTED] d
 [REDACTED] [REDACTED] f [REDACTED] 30 [REDACTED] OEI [REDACTED] 2
 [REDACTED] OEI [REDACTED] [REDACTED] g
 [REDACTED] §33.87 [REDACTED] e [REDACTED] 12 [REDACTED] 33.88 [REDACTED] 30
 [REDACTED] OEI [REDACTED] 2 [REDACTED] OEI

§33.88 b
30 OEI 2
OEI c
30 OEI 2
OEI 13 33.91 c d
FAR-33 6
1974 10 31 14 33.92 15
33.93 30 OEI 2 OEI
16 B 33.78
(a)(2) 1988.10.03 Amdt33-13
Amdt33-12 1990.08.18 Amdt33-14
1990.09.10 Amdt33-15
1993.08.16 Amdt33-16 1996.07.05 Amdt33-18
1995.12.28 Amdt33-17 1996.08.19
Amdt33-19 1998.04.30 Amdt33-20
2000.12.13 CCAR-33

Admin Admin

#4

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