Module2

' DECLARE SUB DIRECT (TYPE$, TC!(), NUM!, rpm!, in!(), r!(), AF!())

' DECLARE SUB SNAAR (TYPE$, TC!(), NUM!, dia!, in!(), r!(), AF!())

' DECLARE SUB SNAARVAR (TYPE$, TC!(), NUM!, in!(), r!(), AF!())

' DECLARE SUB SPANNING (TYPE$, r!(), mt!(), dia!, rpm!)

' DECLARE SUB MOTOR (r!(), in!(), r$())

' DECLARE SUB SCHERM (TYPE$, r!(), r$(), in!(), dia!, rpm!, Tmin!, Smmin!)

' DECLARE SUB AFMETING (r!(), TYPE$, AF!(), in!(), mt!())

' DECLARE SUB PRINTER (TYPE$, r!(), r$(), in!(), dia!, rpm!, Tmin!, Smmin!)

' DECLARE SUB GRAFIEK (TYPE$, dia!, rpm!, in!(), Tmin!, Smmin!)

' DECLARE SUB GELUID (TYPE$, dia!, rpm!, in!(), r!(), r$(), mt!())

' COMMON SHARED Kv, Kp, keus, DRUK$

' DIM TC(50, 6), t$(50, 3), G(12, 4), r(8, 15), r$(10), AF(11), A(3, 5, 25), b$(5, 25), UUR(10), MASSA(4)

' DIM FIL$(20), RNNUM(20)

' DIM SHARED Qi(30), Qu(30), Qa(30), mt(30), in(20), MATSCH$(20), sm(20)

' TYPE AFM

' TP AS STRING \* 4

' dwaai AS SINGLE

' dzuig AS SINGLE

' pers1 AS SINGLE

' pers2 AS SINGLE

' uitwb AS SINGLE

' inwb AS SINGLE

' INWD AS SINGLE

' keeld AS SINGLE

' TOPH AS SINGLE

' INTRH AS SINGLE

' AANSCHP AS SINGLE

' END TYPE

' TYPE aasv

' soort AS STRING \* 4

' constante AS SINGLE

' constan AS SINGLE

' cons AS SINGLE

' con AS SINGLE

' stnd AS STRING \* 1

' toer AS SINGLE

' dia AS SINGLE

' END TYPE

' TYPE STAN

' DIAM AS SINGLE

' END TYPE

' 1 CLS

' PRINT "PROGRAMMA KENNEMERVENTILATOREN "

' PRINT "------------------------------ "

' PRINT

' PRINT

' PRINT "OPSTELLING :"

' PRINT

' PRINT "[1]..PERSEND "

' PRINT "[2]..ZUIGEND "

' PRINT

' PRINT "UW KEUZE [ ]"

' DO

' LOCATE 10, 11: INPUT "", K

' LOOP WHILE NOT (K = 1 OR K = 2)

' IF K = 1 THEN in(1) = 0

' IF K = 2 THEN in(1) = -1

' CLS

' PRINT "MEDIUM :"

' PRINT

' PRINT "[1]..LUCHT "

' PRINT "[2]..ANDER GAS "

' PRINT

' PRINT "UW KEUZE [ ]"

' DO

' LOCATE 6, 11: INPUT "", K

' LOOP WHILE NOT (K = 1 OR K = 2)

' in(2) = 1.293

' PRINT

' IF K = 2 THEN

' DO

' LOCATE 8, 1: INPUT "SOORTELIJKE MASSA GAS (kg/Nm3) : ", in(2)

' LOOP WHILE in(2) = 0

' END IF

' IF K = 1 THEN

' DO

' LOCATE 8, 1: INPUT "TEMPERATUUR VAN DE LUCHT IN HET WERKPUNT (øC) : ", in(3)

' LOCATE 9, 1: INPUT "MINIMUM TEMPERATUUR VAN DE LUCHT (øC) : ", Tmin

' LOOP WHILE in(3) = 0

' END IF

' IF K = 2 THEN

' DO

' LOCATE 9, 1: INPUT "TEMPERATUUR VAN HET GAS IN HET WERKPUNT (øC) : ", in(3)

' LOCATE 10, 1: INPUT "MINIMUM TEMPERATUUR VAN HET GAS (øC) : ", Tmin

' LOOP WHILE in(3) = 0

' END IF

' CLS

' PRINT "STATISCHE DRUK :"

' PRINT

' PRINT "[1]..mm wk "

' PRINT "[2]..Pa "

' PRINT "[3]..mbar "

' PRINT

' PRINT "UW KEUZE [ ]"

' DO

' LOCATE 7, 11: INPUT "", Kp

' LOOP WHILE NOT (Kp = 1 OR Kp = 2 OR Kp = 3)

' PRINT

' IF Kp = 1 THEN

' DO

' LOCATE 8, 1: INPUT "GEVRAAGDE DRUK (mm wk) : ", in(4)

' LOOP WHILE in(4) = 0

' END IF

' IF Kp = 2 THEN

' DO

' LOCATE 8, 1: INPUT "GEVRAAGDE DRUK (Pa) : ", in(4)

' LOOP WHILE in(4) = 0

' END IF

' IF Kp = 3 THEN

' DO

' LOCATE 8, 1: INPUT "GEVRAAGDE DRUK (mbar) : ", in(4)

' LOOP WHILE in(4) = 0

' END IF

' IF Kp = 2 THEN in(4) = in(4) \* .1019

' IF Kp = 3 THEN in(4) = in(4) \* 10.19

' CLS

' PRINT "CAPACITEIT :"

' PRINT

' PRINT "[1]..Nm3/s "

' PRINT "[2]..Nm3/h "

' PRINT "[3]..Bm3/s "

' PRINT "[4]..Bm3/h "

' PRINT

' PRINT "UW KEUZE [ ]"

' DO

' LOCATE 8, 11: INPUT "", Kv

' LOOP WHILE NOT (Kv = 1 OR Kv = 2 OR Kv = 3 OR Kv = 4)

' PRINT

' IF Kv = 1 THEN

' DO

' LOCATE 10, 1: INPUT "CAPACITEIT (Nm3/s) : ", in(5)

' LOOP WHILE in(5) = 0

' END IF

' IF Kv = 2 THEN

' DO

' LOCATE 10, 1: INPUT "CAPACITEIT (Nm3/h) : ", in(5)

' LOOP WHILE in(5) = 0

' END IF

' IF Kv = 2 THEN in(5) = in(5) / 3600

' IF Kv = 3 THEN

' DO

' LOCATE 10, 1: INPUT "CAPACITEIT (Bm3/s) : ", in(5)

' LOOP WHILE in(5) = 0

' END IF

' IF Kv = 4 THEN

' DO

' LOCATE 10, 1: INPUT "CAPACITEIT (Bm3/h) : ", in(5)

' LOOP WHILE in(5) = 0

' END IF

' IF Kv = 4 THEN in(5) = in(5) / 3600

' in(6) = in(2) \* (273 / (273 + in(3))) \* ((10200 + (in(1) \* in(4))) / 10200)

' Smmin = in(2) \* (273 / (273 + Tmin)) \* ((10200 + (in(1) \* in(4))) / 10200)

' in(7) = (1.2 / in(6)) \* in(4)

' IF Kv = 1 OR Kv = 2 THEN in(8) = in(5) \* in(2) / in(6)

' IF Kv = 3 OR Kv = 4 THEN in(8) = in(5)

' 2 CLS

' PRINT "UITVOERING :"

' PRINT

' PRINT "[1]..SNAARGEDREVEN STANDAARD VENTILATOR "

' PRINT "[2]..SNAARGEDREVEN STOF VENTILATOR "

' PRINT "[3]..SNAARGEDREVEN SNIPPER VENTILATOR "

' PRINT "[4]..NIET STANDAARD VENTILATOR "

' PRINT

' PRINT "UW KEUZE [ ]"

' DO

' LOCATE 8, 11: INPUT "", in(9)

' LOOP WHILE NOT (in(9) = 1 OR in(9) = 2 OR in(9) = 3 OR in(9) = 4)

' IF in(9) = 1 THEN STANSNST$ = "1"

' IF in(9) = 2 THEN STANSNST$ = "2"

' IF in(9) = 3 THEN STANSNST$ = "3"

' IF in(9) = 4 THEN GOTO 350

' in(10) = 0

' GOTO 450

' 350 CLS

' PRINT "AANDRIJVING :"

' PRINT

' PRINT "[1]..DIRECT GEDREVEN "

' PRINT "[2]..SNAARAANDRIJVING "

' PRINT

' PRINT "UW KEUZE [ ]"

' DO

' LOCATE 6, 11: INPUT "", in(10)

' LOOP WHILE NOT (in(10) = 1 OR in(10) = 2)

' IF in(10) = 2 THEN in(10) = 0

' 450 REM IN(7)=STATISCHE DRUK ONDER MODELCONDITIES

' REM IN(6)=SOORTELIJKE MASSA GAS

' REM IN(8)=BEDRIJFSCAPACITEIT PER SECONDE

' DIM AASVAR AS aasv

' CLOSE #1

' OPEN "aantalv.dat" FOR RANDOM AS #1 LEN = LEN(AASVAR)

' MNBRD = LOF(1) \ LEN(AASVAR)

' FOR rn = 1 TO MNBRD

' GET #1, rn, AASVAR

' t$(rn, 1) = AASVAR.soort

' TC(rn, 1) = AASVAR.constante

' TC(rn, 2) = AASVAR.constan

' TC(rn, 3) = AASVAR.cons

' TC(rn, 4) = AASVAR.con

' t$(rn, 2) = AASVAR.stnd

' TC(rn, 5) = AASVAR.toer

' TC(rn, 6) = AASVAR.dia

' NEXT

' CLOSE #1

' CLS

' IF in(9) = 4 AND in(10) = 1 THEN GOSUB 111

' IF in(9) = 4 AND in(10) = 0 THEN PRINT "WILT U EEN WAAIERDIAMETER INVOEREN [ ] "

' IF in(9) = 4 AND in(10) = 0 THEN

' DO

' LOCATE 1, 37: INPUT "", b$

' LOOP WHILE NOT (b$ = "J" OR b$ = "N")

' END IF

' PRINT

' IF b$ = "J" THEN PRINT "WAAIERDIAMETER IN MM [ ]"

' IF b$ = "J" THEN

' DO

' LOCATE 3, 37

' : INPUT "", dia

' LOOP WHILE dia = 0

' END IF

' IF in(9) = 4 AND in(10) = 0 AND b$ <> "J" THEN GOSUB 113

' IF in(9) = 4 AND in(10) = 0 AND b$ = "J" THEN GOSUB 114

' IF in(9) = 1 THEN GOSUB 112

' IF in(9) = 2 THEN GOSUB 112

' IF in(9) = 3 THEN GOSUB 112

' b$ = ""

' CALL SCHERM(TYPE$, r(), r$(), in(), dia, rpm, Tmin, Smmin)

' 3 CLS

' PRINT "MENU"

' PRINT

' PRINT "[1] OPNIEUW BEGINNEN"

' PRINT "[2] ANDER TYPE KIEZEN"

' PRINT "[3] UITVOER BEDRIJFSGEGEVENS"

' PRINT "[4] ,, MECHANISCH ONTWERP"

' PRINT "[5] ,, GELUIDSGEGEVENS"

' PRINT "[6] STOPPEN"

' PRINT

' PRINT "UW KEUZE [ ]"

' LOCATE 10, 11: INPUT "", EM

' IF EM = 1 THEN

' ERASE TC: ERASE t$: ERASE G

' ERASE r: ERASE r$: ERASE AF: ERASE in: dia = 0: rpm = 0

' END IF

' SELECT CASE EM

' CASE 1

' GOTO 1

' CASE 2

' ERASE TC: ERASE t$: ERASE G

' ERASE r: ERASE r$: ERASE AF: dia = 0: rpm = 0

' GOTO 2

' CASE 3

' CALL PRINTER(TYPE$, r(), r$(), in(), dia, rpm, Tmin, Smmin)

' IF NOT (TYPE$ = "GW" OR LEFT$(TYPE$, 3) = "T31" OR LEFT$(TYPE$, 3) = "T22") THEN CALL GRAFIEK(TYPE$, dia, rpm, in(), Tmin, Smmin)

' LPRINT CHR$(12)

' GOTO 3

' CASE 4

' ERASE A

' CALL SPANNING(TYPE$, r(), mt(), dia, rpm)

' GOTO 3

' CASE 5

' CALL GELUID(TYPE$, dia, rpm, in(), r(), r$(), mt())

' LPRINT CHR$(12)

' GOTO 3

' CASE 6

' SYSTEM

' CASE ELSE

' GOTO 3

' END SELECT

' END

'

' 111 REM selectie voor direct gedreven

' AANTAL = 0

' FOR rn = 1 TO MNBRD

' W1 = (TC(rn, 5) / 750) ^ 4 \* (in(7) ^ 3 / in(8) ^ 2)

' W2 = (TC(rn, 5) / 1000) ^ 4 \* (in(7) ^ 3 / in(8) ^ 2)

' W3 = (TC(rn, 5) / 1500) ^ 4 \* (in(7) ^ 3 / in(8) ^ 2)

' W4 = (TC(rn, 5) / 3000) ^ 4 \* (in(7) ^ 3 / in(8) ^ 2)

' IF W1 > TC(rn, 1) AND W1 < TC(rn, 2) THEN T1$ = " 750 " ELSE T1$ = ""

' IF W2 > TC(rn, 1) AND W2 < TC(rn, 2) THEN T2$ = " 1000 " ELSE T2$ = ""

' IF W3 > TC(rn, 1) AND W3 < TC(rn, 2) THEN T3$ = " 1500 " ELSE T3$ = ""

' IF W4 > TC(rn, 1) AND W4 < TC(rn, 2) THEN T4$ = " 3000 " ELSE T4$ = ""

' t$(rn, 3) = T1$ + T2$ + T3$ + T4$

' IF t$(rn, 3) > "" THEN AANTAL = 1

' NEXT rn

' CLS

' IF AANTAL > 0 THEN PRINT "TYPE MOGELIJKE TOERENTALLEN."

' PRINT

' AANTAL = 0: A = 3

' FOR i = 1 TO MNBRD

' A = A + 1

' IF A <= 18 THEN LOCATE A, 1 ELSE LOCATE (A - 15), 40

' IF t$(i, 3) > "" THEN PRINT USING "\ \ \ \"; t$(i, 1); t$(i, 3)

' IF t$(i, 3) > "" THEN AANTAL = AANTAL + 1

' NEXT i

' PRINT

' IF AANTAL > 0 THEN

' LOCATE 22, 1: PRINT "TYPE [ ]"

' DO

' LOCATE 22, 12: INPUT "", TYPE$

' LOOP WHILE TYPE$ = ""

' END IF

' IF AANTAL > 0 THEN

' LOCATE 23, 1: PRINT "TOERENTAL [ ]"

' DO

' LOCATE 23, 12

' : INPUT "", rpm

' LOOP WHILE rpm = 0

' END IF

' FOR i = 1 TO MNBRD

' b = LEN(TYPE$)

' IF TYPE$ = LEFT$(t$(i, 1), b) THEN NUM = i

' NEXT i

' CALL DIRECT(TYPE$, TC(), NUM, rpm, in(), r(), AF())

' CALL MOTOR(r(), in(), r$())

' rpm = r(4, 3)

' CALL DIRECT(TYPE$, TC(), NUM, rpm, in(), r(), AF())

' CALL AFMETING(r(), TYPE$, AF(), in(), mt())

' RETURN

' 112 REM SELECTIE VOOR SNAARGEDREVEN STANDAARD/SNIPPER/STOF VENTILATOR

' AANTAL = 0

' FOR rn = 1 TO MNBRD

' IF LEFT$(t$(rn, 2), 1) = STANSNST$ THEN AANTAL = AANTAL + 1

' IF LEFT$(t$(rn, 2), 1) = STANSNST$ THEN FIL$(AANTAL) = t$(rn, 1) + ".1"

' IF LEFT$(t$(rn, 2), 1) = STANSNST$ THEN RNNUM(AANTAL) = rn

' t$(rn, 3) = ""

' NEXT rn

' NUMBER = 0

' DIM STANVAR AS STAN

' FOR i = 1 TO AANTAL

' OPEN FIL$(i) FOR RANDOM AS #1 LEN = LEN(STANVAR)

' NMBR = LOF(1) \ LEN(STANVAR)

' FOR rn = 1 TO NMBR

' GET #1, rn, STANVAR

' D = STANVAR.DIAM

' D$ = STR$(D) + " "

' NUM = RNNUM(i)

' W1 = (D / TC(NUM, 6)) ^ 4 \* (in(7) / in(8) ^ 2)

' IF W1 > TC(NUM, 3) AND W1 < TC(NUM, 4) THEN t$(NUM, 3) = t$(NUM, 3) + D$

' IF t$(NUM, 3) > "" THEN NUMBER = 1

' NEXT rn

' CLOSE #1

' NEXT i

' CLS

' IF NUMBER > 0 THEN PRINT "TYPE MOGELIJKE WAAIERDIAMETERS."

' PRINT

' AANTAL = 0

' FOR i = 1 TO MNBRD

' IF t$(i, 3) > "" THEN PRINT USING "\ \ \ \"; t$(i, 1); t$(i, 3)

' IF t$(i, 3) > "" THEN AANTAL = AANTAL + 1

' NEXT i

' PRINT

' IF AANTAL > 0 THEN

' LOCATE (AANTAL + 4): PRINT "TYPE [ ]"

' DO

' LOCATE (AANTAL + 4), 12: INPUT "", TYPE$

' LOOP WHILE TYPE$ = "" OR LEFT$(TYPE$, 1) <> "T"

' LOCATE (AANTAL + 5): PRINT "DIAMETER [ ]"

' DO

' LOCATE (AANTAL + 5), 12: INPUT "", dia

' LOOP WHILE dia = 0

' END IF

' FOR i = 1 TO MNBRD

' b = LEN(t$(i, 1))

' IF TYPE$ = LEFT$(t$(i, 1), b) THEN NUM = i

' NEXT i

' CALL SNAAR(TYPE$, TC(), NUM, dia, in(), r(), AF())

' CALL MOTOR(r(), in(), r$())

' CALL AFMETING(r(), TYPE$, AF(), in(), mt())

' RETURN

' 113 REM SELECTIE NIET STANDAARD SNAARGEDREVEN VENTILATOR

' CLS

' FOR i = 1 TO MNBRD

' IF i < 16 THEN LOCATE i, 1 ELSE LOCATE (i - 15), 41

' PRINT USING "\ \ "; t$(i, 1)

' NEXT i

' LOCATE 20, 1: PRINT "TYPE [ ]"

' 'DO

' LOCATE 20, 12: INPUT "", TYPE$

' 'LOOP WHILE TYPE$ = "" OR LEFT$(TYPE$, 1) <> "T"

' FOR i = 1 TO MNBRD

' b = LEN(TYPE$)

' IF TYPE$ = LEFT$(t$(i, 1), b) THEN NUM = i

' NEXT i

' CALL SNAARVAR(TYPE$, TC(), NUM, in(), r(), AF())

' CALL MOTOR(r(), in(), r$())

' CALL AFMETING(r(), TYPE$, AF(), in(), mt())

' RETURN

' 114 REM SELECTIE NIET STANDAARD VENTILATOR MET VASTE DIAMETER

' AANTAL = 0

' FOR rn = 1 TO MNBRD

' IF TC(rn, 6) > 0 THEN W1 = (dia / TC(rn, 6)) ^ 4 \* (in(7) / in(8) ^ 2) ELSE W1 = 0

' IF W1 > TC(rn, 3) AND W1 < TC(rn, 4) THEN t$(rn, 3) = t$(rn, 3) + t$(rn, 1)

' IF t$(rn, 3) > "" THEN AANTAL = 1

' NEXT rn

' CLS

' IF AANTAL > 0 THEN PRINT "TYPE "

' PRINT

' AANTAL = 0

' FOR i = 1 TO MNBRD

' IF t$(i, 3) > "" THEN PRINT USING "\ \"; t$(i, 1)

' IF t$(i, 3) > "" THEN AANTAL = AANTAL + 1

' NEXT i

' PRINT

' IF AANTAL > 0 THEN

' PRINT "TYPE [ ]"

' 'DO

' LOCATE (AANTAL + 4), 12: INPUT "", TYPE$

' 'LOOP WHILE TYPE$ = "" OR LEFT$(TYPE$, 1) <> "T"

' END IF

' FOR i = 1 TO MNBRD

' b = LEN(TYPE$)

' IF TYPE$ = LEFT$(t$(i, 1), b) THEN NUM = i

' NEXT i

' CALL SNAAR(TYPE$, TC(), NUM, dia, in(), r(), AF())

' CALL MOTOR(r(), in(), r$())

' CALL AFMETING(r(), TYPE$, AF(), in(), mt())

' RETURN

'

' SUB AFMETING (r(), TYPE$, AF(), in(), mt())

' CLOSE #1

' DIM AFMVAR AS AFM

' b = LEN(TYPE$)

' OPEN "AFM.dat" FOR RANDOM AS #1 LEN = LEN(AFMVAR)

' RC = LOF(1) \ LEN(AFMVAR)

' FOR rn = 1 TO RC

' GET #1, rn, AFMVAR

' IF TYPE$ = LEFT$((AFMVAR.TP), b) THEN

' AF(1) = AFMVAR.dwaai

' AF(2) = AFMVAR.dzuig

' AF(3) = AFMVAR.pers1

' AF(4) = AFMVAR.pers2

' AF(5) = AFMVAR.uitwb

' AF(6) = AFMVAR.inwb

' AF(7) = AFMVAR.INWD

' AF(8) = AFMVAR.keeld

' AF(9) = AFMVAR.TOPH

' AF(10) = AFMVAR.INTRH

' AF(11) = AFMVAR.AANSCHP

' END IF

' NEXT rn

' CLOSE #1

' REM AFMETINGEN MAAL M-FACTOR

' FOR i = 1 TO 8

' AF(i) = AF(i) \* r(1, 1)

' NEXT i

' REM BEREKENING DYNAMISCHE DRUK

' A1 = (AF(3) / 1000) \* (AF(4) / 1000)

' r(1, 6) = (r(1, 2) / A1) ^ 2 \* in(6) / 19.62

' REM AFMETING WAAIER

' r(1, 8) = AF(1)

' END SUB

'

' SUB CALCULATIE (TYPE$, r(), r$(), UUR(), MATSCH$, MASSA())

' HUISNR$ = r$(1)

' vent$ = TYPE$

' waaidm = r(1, 8)

' ONTWDR = r(1, 3)

' N = r(1, 7)

' p = r(1, 4)

' DIM A(30, 5), HUIS$(30), b$(13, 10), c(16), D(16, 4), E(20, 3), f(16), ac(2, 16)

' N$ = "3000"

' IF N <= 1500 THEN N$ = "1500"

' IF N <= 1000 THEN N$ = "1000"

' CLOSE #1

' OPEN "i", 1, N$

' FOR i = 1 TO 2

' FOR j = 1 TO 16

' INPUT #1, ac(i, j)

' NEXT j

' NEXT i

' CLOSE #1

' j = 1

' DO

' IF p <= ac(1, j) THEN

' ACNR = ac(2, j)

' j = 16

' END IF

' j = j + 1

' LOOP WHILE j < 17

' VEN$ = "T1A T12AT16BT17BT20BT21ET21FT27 T28 T33 T34 T35AT35BT35CT36 T36A"

' FAC1$ = "1.151.270.741.110.910.940.940.720.841.151.150.790.790.790.910.91"

' FAC2$ = "0.971.030.690.900.800.750.750.670.750.970.970.710.710.710.800.80"

' X = (INSTR(VEN$, vent$) - 1) / 4 + 1

' FACTOR1$ = MID$(FAC1$, X \* 4 - 3, 4)

' factor2$ = MID$(FAC2$, X \* 4 - 3, 4)

' Rgrt = VAL(FACTOR1$) \* waaidm

' Rmid = VAL(factor2$) \* waaidm

' CLOSE #1

' OPEN "i", 1, "DATAHUIS"

' FOR i = 1 TO 21

' INPUT #1, HUIS$(i), A(i, 1), A(i, 2), A(i, 3)

' IF HUIS$(i) = HUISNR$ THEN

' K = A(i, 1)

' f = A(i, 2)

' H = A(i, 3)

' END IF

' NEXT i

' FOR i = 1 TO 13

' INPUT #1, A(i, 4), A(i, 5)

' INPUT #1, b$(i, 1), b$(i, 2), b$(i, 3), b$(i, 4), b$(i, 5), b$(i, 6), b$(i, 7), b$(i, 8), b$(i, 9), b$(i, 10)

' NEXT i

' CLOSE #1

' OPEN "i", 1, "DATAAS"

' FOR i = 1 TO 16

' INPUT #1, A(i, 0), A(i, 1), A(i, 2), A(i, 3)

' IF A(i, 0) = ACNR THEN

' L = A(i, 1)

' LN = A(i, 2)

' LA = A(i, 3)

' i = 16

' END IF

' NEXT i

' CLOSE #1

' REM BEPALING VAN STOELTYPE

' TYP = 3

' PLAATDIKTE = 10

' IF HUISNR$ < "200L" THEN

' TYP = 2

' PLAATDIKTE = 8

' END IF

' IF HUISNR$ < "160M" THEN

' TYP = 1

' PLAATDIKTE = 6

' END IF

' REM GEWICHT VAN DE STOEL

' pi = 3.141593

' A1 = (Rmid - H) \* (f + 200 + TAN(7 \* pi / 180))

' A2 = A1 + H \* (f + 200 - TAN(7 \* pi / 180))

' OPPERSTL = 2 \* (Rmid \* (K + L - LN) - K \* H) + (K \* (f + 200)) + (L - LA - LN) \* (f + 200 - 2 \* H \* TAN(7 \* pi / 180))

' IF TYP = 1 THEN OPPERSTL = OPPERSTL + 2 \* A2 + A1

' IF TYP = 2 THEN OPPERSTL = OPPERSTL + 3 \* A2 + A1 \* 2

' IF TYP = 3 THEN OPPERSTL = OPPERSTL + 4 \* A2 + A1 \* 2

' GEWSTL = OPPERSTL \* PLAATDIKTE \* 7850 \* 10 ^ -9

' IF TYP = 1 THEN INOPPSTL = OPPERSTL + A1: UITOPPSTL = OPPERSTL - A1

' IF TYP = 2 THEN INOPPSTL = OPPERSTL + 3 \* A1 + 2 \* A2: UITOPPSTL = OPPERSTL - 2 \* A1 - A2

' IF TYP = 3 THEN INOPPSTL = OPPERSTL + 3 \* A1 + 4 \* A2: UITOPPSTL = OPPERSTL - 2 \* A1 - 2 \* A2

' REM GEWICHT VAN HET HUIS

' FOR i = 1 TO 13

' FOR j = 1 TO 10

' IF Rgrt <= A(i, 4) AND ONTWDR <= A(j, 5) THEN

' WANDDIK = VAL(LEFT$(b$(i, j), 1))

' VERST = LEN(b$(i, j)) - 1

' j = 10

' i = 13

' END IF

' NEXT j

' NEXT i

' VEN$ = "T1A T12AT16BT17BT20BT21ET21FT27 T28 T33 T34 T35AT35BT35CT36 T36A"

' FAC$ = "6.78.03.26.14.75.55.53.04.56.16.13.73.73.75.05.0"

' X = (INSTR(VEN$, vent$) - 1) / 4 + 1

' FACTOR$ = MID$(FAC$, X \* 3 - 2, 3)

' OPPERHUIS = VAL(FACTOR$) \* waaidm ^ 2

' IF VERST = 0 THEN

' VOLVERST = 1.1

' ELSEIF VERST = 1 THEN

' VOLVERST = 1.2

' ELSEIF VERST = 2 THEN

' VOLVERST = 1.3

' ELSEIF VERST = 3 THEN

' VOLVERST = 1.4

' END IF

' GEWHUIS = (OPPERHUIS \* WANDDIK) \* VOLVERST \* 7850 \* 10 ^ -9

' REM BEREKENING VAN DE PRODUCTIE UREN

' OPEN "i", 1, "basistydhuis"

' FOR i = 1 TO 16

' INPUT #1, c(i)

' NEXT i

' j = 0

' i = 50

' DO

' IF GEWHUIS <= i THEN

' j = INT(i / 100) + 1

' K = i

' i = 1500

' END IF

' IF i = 50 THEN i = 0

' i = i + 100

' LOOP WHILE i < 1600

' UURHS = c(j - 1) + ((GEWHUIS - (K - 100)) \* (c(j) - c(j - 1))) / (100)

' IF K = 100 OR K = 50 THEN UURHS = c(j - 1) + ((GEWHUIS - (K - 50)) \* (c(j) - c(j - 1))) / (50)

' CLOSE #1

' OPEN "i", 1, "onddeel"

' FOR i = 1 TO 16

' FOR j = 1 TO 4

' INPUT #1, D(i, j)

' NEXT j

' NEXT i

' i = ACNR - 5

' IF ACNR = 20 THEN i = i - 1

' IF ACNR = 22 THEN i = i - 2

' IF ACNR = 23 THEN i = i - 2

' ONDOVER = D(i, 3)

' ONDAN = (D(i, 1) + D(i, 2))

' CLOSE #1

' OPEN "i", 1, "basistydwaaier"

' FOR i = 2 TO 20

' FOR j = 1 TO 3

' INPUT #1, E(i, j)

' NEXT j

' NEXT i

' i = 200

' j = 0

' DO

' IF waaidm <= i THEN

' j = i / 100

' K = i

' i = 2000

' END IF

' i = i + 100

' LOOP WHILE i < 2100

' IF in(10) = 0 THEN f = 3 ELSE f = 2

' DO UNTIL y <> 0

' v$ = vent$

' y = 0

' IF v$ = "T28" OR v$ = "T29" OR v$ = "T35A" OR v$ = "T35B" OR v$ = "T35C" THEN y = .8

' IF v$ = "T12A" THEN y = .95

' IF v$ = "T1A" OR v$ = "T17B" OR v$ = "T21E" OR v$ = "T21F" OR v$ = "T35D" THEN y = 1

' IF v$ = "T20B" OR v$ = "T31" OR v$ = "T36A" THEN y = 1.1

' IF v$ = "T11" OR v$ = "T16B" OR v$ = "T26" OR v$ = "T27" OR v$ = "T36" THEN y = 1.25

' IF v$ = "T33" OR v$ = "T34" THEN y = 1.5

' LOOP

' G = r(8, 4)

' IF G = 1 THEN H = 1

' IF G = 2 OR G = 4 THEN H = 1.1

' IF G = 3 OR G = 5 THEN H = 1.2

' t = ((waaidm - (K - 100)) \* (E(j, 1) - E((j - 1), 1)) / 100) + E((j - 1), 1)

' BANKWERK = (((waaidm - (K - 100)) \* (E(j, f) - E((j - 1), f)) / 100) + E((j - 1), f)) - t

' UURWR = t \* H \* y

' CLOSE #1

' OPEN "i", 1, "basistydstoel"

' FOR i = 1 TO 16

' INPUT #1, f(i)

' NEXT i

' i = 50

' DO

' IF GEWSTL <= i THEN

' j = INT(i / 100) + 1

' K = i

' i = 1500

' END IF

' IF i = 50 THEN i = 0

' i = i + 100

' LOOP WHILE i < 1600

' UURST = f(j - 1) + ((GEWSTL - (K - 100)) \* (f(j) - f(j - 1))) / (100)

' IF K = 100 OR K = 50 THEN UURST = f(j - 1) + ((GEWSTL - (K - 50)) \* (f(j) - f(j - 1))) / (50)

' CLOSE #1

' AFKORTEN = .1 \* UURHS

' PLAATWERK = .37 \* UURHS + .36 \* UURST + .29 \* UURWR + ONDOVER

' BANKWERK = BANKWERK

' LASWERK = .15 \* UURHS + .36 \* UURST + .28 \* UURWR

' MACHWERK = .15 \* UURWR + ONDAN

' TRANS = 1

' PLASMA = .28 \* UURHS + .28 \* UURST + .28 \* UURWR

' totaal = AFKORTEN + PLAATWERK + BANKWERK + LASWERK + MACHWERK + TRANS + PLASMA

' UUR(1) = CINT(AFKORTEN)

' UUR(2) = CINT(PLAATWERK)

' UUR(3) = CINT(BANKWERK)

' UUR(4) = CINT(LASWERK)

' UUR(5) = CINT(MACHWERK)

' UUR(6) = CINT(TRANS)

' UUR(7) = CINT(PLASMA)

' UUR(8) = UUR(1) + UUR(2) + UUR(3) + UUR(4) + UUR(5) + UUR(6) + UUR(7)

' REM PRINT ROUTINE VOOR GEWICHT, OPPERVLAK, PLAATDIKTE EN AC NUMMER

' MATSCH$(1) = "FE 360": MATSCH$(2) = "ALUM. ": MATSCH$(3) = "RVS": MATSCH$(4) = "NAXTRA": MATSCH$(5) = "NAXTRA": MATSCH$ = MATSCH$(G)

' sm(1) = 7850: sm(2) = 2850: sm(3) = 7850: sm(4) = 7850: sm(5) = 7850

' MASSA(1) = 0: MASSA(2) = 0: MASSA(3) = 0: MASSA(4) = 0

' CLS

' PRINT USING "AC-NUMMER : ## "; ACNR

' PRINT

' PRINT USING "STOEL MAT. FE 360 GEWICHT netto : #### KG bruto : #### KG"; GEWSTL; 1.4 \* GEWSTL

' PRINT USING " PLAATDIKTE : #### MM "; PLAATDIKTE

' PRINT USING " OPPERVLAKTE INW. : ##.# M2 "; INOPPSTL / 10 ^ 6

' PRINT USING " OPPERVLAKTE UITW.: ##.# M2 "; UITOPPSTL / 10 ^ 6

' PRINT

' PRINT USING "HUIS MAT. FE 360 GEWICHT netto : #### KG bruto : #### KG"; GEWHUIS; 1.2 \* GEWHUIS

' PRINT USING " PLAATDIKTE : #### MM "; WANDDIK

' PRINT USING " OPPERVLAKTE : ##.# M2 "; OPPERHUIS / 10 ^ 6

' PRINT

' PRINT USING "SCHOEP MAT. \ \ GEWICHT netto : #### KG bruto : #### KG"; MATSCH$(G); r(4, 7); r(4, 7) \* 1.1

' PRINT USING " PLAATDIKTE : #### MM "; r(8, 1)

' PRINT USING " OPPERVLAKTE : ##.# M2 "; (r(4, 7) / (r(8, 1) \* sm(G) \* 10 ^ -3))

' PRINT

' IF G = 4 THEN G = 1

' PRINT USING "ACHTERPLAAT MAT. \ \ GEWICHT netto : #### KG bruto : #### KG"; MATSCH$(G); r(4, 8); r(4, 8) \* 1.1

' PRINT USING " PLAATDIKTE : #### MM "; r(8, 2)

' PRINT USING " OPPERVLAKTE : ##.# M2 "; (r(4, 8) / (r(8, 2) \* sm(1) \* 10 ^ -3))

' PRINT

' PRINT USING "VOORPLAAT MAT. \ \ GEWICHT netto : #### KG bruto : #### KG"; MATSCH$(G); r(4, 9); r(4, 9) \* 1.1

' PRINT USING " PLAATDIKTE : #### MM "; r(8, 3)

' PRINT USING " OPPERVLAKTE : ##.# M2 "; (r(4, 9) / (r(8, 3) \* sm(1) \* 10 ^ -3))

' LOCATE 24, 1: PRINT "UITPRINTEN ONDERDELEN GEGEVENS [ ]";

' DO

' LOCATE 24, 33: INPUT "", j$

' LOOP WHILE NOT (j$ = "J" OR j$ = "N")

' G = r(8, 4)

' IF G = 1 THEN MASSA(1) = 1.4 \* GEWSTL + 1.2 \* GEWHUIS + 1.1 \* (r(4, 7) + r(4, 8) + r(4, 9))

' IF G = 2 THEN MASSA(1) = 1.4 \* GEWSTL + 1.2 \* GEWHUIS: MASSA(2) = 1.1 \* (r(4, 7) + r(4, 8) + r(4, 9))

' IF G = 3 THEN MASSA(1) = 1.4 \* GEWSTL + 1.2 \* GEWHUIS: MASSA(3) = 1.1 \* (r(4, 7) + r(4, 8) + r(4, 9))

' IF G = 4 THEN MASSA(1) = 1.4 \* GEWSTL + 1.2 \* GEWHUIS + 1.1 \* (r(4, 8) + r(4, 9)): MASSA(4) = 1.1 \* r(4, 7)

' IF G = 5 THEN MASSA(1) = 1.4 \* GEWSTL + 1.2 \* GEWHUIS: MASSA(4) = 1.1 \* (r(4, 7) + r(4, 8) + r(4, 9))

' FOR TEL = 1 TO 4

' MASSA(TEL) = CINT(MASSA(TEL))

' NEXT TEL

' CLS

' IF j$ = "J" THEN

' G = r(8, 4)

' LPRINT

' LPRINT

' LPRINT "Selectieprogramma Kennemerventilatoren. Overzicht voorcalculatie."

' LPRINT

' LPRINT USING "AC-NUMMER : ## "; ACNR

' LPRINT

' LPRINT USING "STOEL MAT. FE 360 GEWICHT netto : #### KG bruto : #### KG"; GEWSTL; 1.4 \* GEWSTL: MASSA(1) = 1.4 \* GEWSTL

' LPRINT USING " PLAATDIKTE : #### MM "; PLAATDIKTE

' LPRINT USING " OPPERVLAKTE INW. : ##.# M2 "; INOPPSTL / 10 ^ 6

' LPRINT USING " OPPERVLAKTE UITW.: ##.# M2 "; UITOPPSTL / 10 ^ 6

' LPRINT

' LPRINT USING "HUIS MAT. FE 360 GEWICHT netto : #### KG bruto : #### KG"; GEWHUIS; 1.2 \* GEWHUIS: MASSA(1) = MASSA(1) + 1.2 \* GEWHUIS

' LPRINT USING " PLAATDIKTE : #### MM "; WANDDIK

' LPRINT USING " OPPERVLAKTE : ##.# M2 "; OPPERHUIS / 10 ^ 6

' LPRINT

' LPRINT USING "SCHOEP MAT. \ \ GEWICHT netto : #### KG bruto : #### KG"; MATSCH$(G); r(4, 7); r(4, 7) \* 1.1

' LPRINT USING " PLAATDIKTE : #### MM "; r(8, 1)

' LPRINT USING " OPPERVLAKTE : ##.# M2 "; (r(4, 7) / (r(8, 1) \* sm(G) \* 10 ^ -3))

' LPRINT

' IF G = 4 THEN G = 1

' LPRINT USING "ACHTERPLAAT MAT. \ \ GEWICHT netto : #### KG bruto : #### KG"; MATSCH$(G); r(4, 8); r(4, 8) \* 1.1

' LPRINT USING " PLAATDIKTE : #### MM "; r(8, 2)

' LPRINT USING " OPPERVLAKTE : ##.# M2 "; (r(4, 8) / (r(8, 2) \* sm(1) \* 10 ^ -3))

' LPRINT

' LPRINT USING "VOORPLAAT MAT. \ \ GEWICHT netto : #### KG bruto : #### KG"; MATSCH$(G); r(4, 9); r(4, 9) \* 1.1

' LPRINT USING " PLAATDIKTE : #### MM "; r(8, 3)

' LPRINT USING " OPPERVLAKTE : ##.# M2 "; (r(4, 9) / (r(8, 3) \* sm(1) \* 10 ^ -3))

' LPRINT CHR$(12)

' END IF

' END SUB

'

' SUB DIRECT (TYPE$, TC(), NUM, rpm, in(), r(), AF())

' DIM X(15): DIM G(14, 4)

' CLOSE #1

' OPEN "R", #1, TYPE$, 24

' FIELD #1, 6 AS A$, 6 AS b$, 6 AS c$, 6 AS D$

' z% = 0

' 70 z% = z% + 1

' GET #1, z%

' G(z%, 1) = CVSMBF(A$)

' G(z%, 2) = CVSMBF(b$)

' G(z%, 3) = CVSMBF(c$)

' G(z%, 4) = CVSMBF(D$)

' IF G(z%, 2) < 1 THEN GOTO 80

' GOTO 70

' 80 CLOSE #1

' FOR i = 2 TO 12

' X(i) = G(i, 2) ^ 3 / G(i, 1) ^ 2

' NEXT i

' IF rpm = 0 THEN PRINT "geef vollast toerental motor"

' IF rpm = 0 THEN PRINT "vermogen is "; r(1, 4); "kw"

' IF rpm = 0 THEN INPUT rpm

' X1 = (TC(NUM, 5) / rpm) ^ 4 \* (in(7) ^ 3 / in(8) ^ 2)

' FOR N = 3 TO 10

' L = N + 1

' IF X1 <= X(N) AND X1 >= X(L) THEN GOTO 90

' NEXT N

' 90 X0 = LOG(X1)

' X1 = LOG(X(N))

' X2 = LOG(X(L))

' DX0 = X0 - X1

' DX1 = X2 - X1

' DC = G(L, 1) - G(N, 1)

'

' DC1 = DX1 / DC

' DC0 = DX0 / DC1

' r(1, 2) = G(N, 1) + DC0

' F1 = DC0 / DC

' FOR K = 2 TO 4

' z = K + 1

' F2 = G(L, K) - G(N, K)

' r(1, z) = F2 \* F1 + G(N, K)

' NEXT K

' r(1, 1) = ((in(8) ^ 2 \* r(1, 3)) / (r(1, 2) ^ 2 \* in(7)))

' r(1, 1) = r(1, 1) ^ .25

' r(1, 7) = rpm

' r(1, 2) = r(1, 2) \* (r(1, 7) / TC(NUM, 5) \* (r(1, 1) ^ 3))

' r(1, 3) = r(1, 3) \* ((r(1, 7) / TC(NUM, 5)) ^ 2) \* (r(1, 1) ^ 2) \* (in(6) / 1.2)

' r(1, 4) = r(1, 4) \* ((r(1, 7) / TC(NUM, 5)) ^ 3) \* (r(1, 1) ^ 5) \* (in(6) / 1.2) \* .7355

' END SUB

'

' SUB GELUID (TYPE$, dia, rpm, in(), r(), r$(), mt())

' DIM iso(28, 10), sheet$(30), dikte(30), foil(30)

' DIM Lp(10), Lw(10), Lpiso(10), Lwiso(10), Lwr(10)

'

' CLS

'

' 60 REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

' REM THEORETISCHE GELUIDSBEREKENING

' REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

'

' LOCATE 1, 2: PRINT USING "GELUID BEREKENING VENTILATOR \ \ ####/####/\ \"; DRUK$, mt(1), dia, TYPE$;

' IF (r(1, 7) / rpm) > .99 AND (r(1, 7) / rpm) < 1.01 THEN PRINT USING "BIJ #### RPM"; rpm ELSE PRINT USING "BIJ #### RPM"; r(1, 7)

' LOCATE 2, 2: INPUT "Geef wanddikte ventilator huis [mm] : ", wand

' LOCATE 2, 2: PRINT SPC(78);

' LOCATE 1, 65: PRINT USING "Wand ## mm"; wand

' fMA = 1

' fBA = 1 + .5 \* (82 / (r(1, 5)) - 1): IF fBA > 1.2 THEN fBA = 1.2

' Lmotor = 3.6 \* VAL(r$(1)): Las = 3 \* mt(8)

' IF in(9) = 4 AND in(10) = 1 THEN

' Lstoel = Lmotor + Las

' ELSE

' IF Las > Lmotor + 75 THEN

' Lstoel = Las

' ELSE

' Lstoel = Lmotor + 75

' END IF

' END IF

' Lvent = (Lstoel + mt(8) + 100) / 1000

' Bvent = (75 + mt(12) + mt(9) + mt(7) / 2) / 1000

' Hvent = (100 + mt(10) + mt(11)) / 1000

' pt = (r(1, 6) + r(1, 3))

'

' nq = rpm \* SQR(in(8)) / (pt / in(6)) ^ .75

' Lws = (55 + .034 \* nq) \* fBA

' CLOSE #1

' OPEN "I", #1, "dlka"

' DO WHILE NOT EOF(1)

' DO

' INPUT #1, n1, n2, dLKA

' LOOP WHILE (n1 < rpm)

' EXIT DO

' LOOP

' CLOSE #1

' Lwi = Lws + 10 \* LOG(in(8)) / LOG(10#) + 20 \* LOG(pt) / LOG(10#)

' Rv = .75 \* (7.5 + 18 / LOG(10#) \* LOG(wand \* 7.85)) \* fMA

' Sa = (Lvent + 2) / 2: Sb = (Bvent + 2) / 2: Sc = Hvent + 1

' S = 4 \* (Sa \* Sb + Sa \* Sc + Sb \* Sc)

' Ls = 10 \* LOG(S) / LOG(10#)

' Sv = 2 \* Lvent \* Hvent + 2 \* Bvent \* Hvent + Lvent \* Bvent

' Lv = 10 \* LOG(Sv) / LOG(10#)

' Lwa = Lwi - Rv + Lv

' LwAa = Lwa - dLKA

' L = Lwa - Ls

'

' FOR i = 1 TO 8

' Lwrel(i) = -5 - 5 \* (1 / LOG(10#) \* LOG(31.25 \* 2 ^ i \* 60 / rpm / mt(15)) + .4) ^ 2 - .00034 \* rpm

' Lwi(i) = Lwi + Lwrel(i)

' Lw(i) = Lwi(i) - Rv + Lv

' Lp(i) = Lw(i) - Ls

' Lpiso(i) = Lp(i) - iso(isnr, i)

' Lwiso(i) = Lw(i) - iso(isnr, i)

' NEXT i

'

' LpA = 10 \* LOG(10 ^ ((Lp(1) - 26) / 10) + 10 ^ ((Lp(2) - 16) / 10) + 10 ^ ((Lp(3) - 8) / 10) + 10 ^ ((Lp(4) - 3) / 10) + 10 ^ (Lp(5) / 10) + 10 ^ ((Lp(6) + 1) / 10) + 10 ^ ((Lp(7) + 1) / 10) + 10 ^ ((Lp(8) - 1) / 10)) / LOG(10#)

' Lwa = 10 \* LOG(10 ^ ((Lw(1) - 26) / 10) + 10 ^ ((Lw(2) - 16) / 10) + 10 ^ ((Lw(3) - 8) / 10) + 10 ^ ((Lw(4) - 3) / 10) + 10 ^ (Lw(5) / 10) + 10 ^ ((Lw(6) + 1) / 10) + 10 ^ ((Lw(7) + 1) / 10) + 10 ^ ((Lw(8) - 1) / 10)) / LOG(10#)

' LwiA = 10 \* LOG(10 ^ ((Lwi(1) - 26) / 10) + 10 ^ ((Lwi(2) - 16) / 10) + 10 ^ ((Lwi(3) - 8) / 10) + 10 ^ ((Lwi(4) - 3) / 10) + 10 ^ (Lwi(5) / 10) + 10 ^ ((Lwi(6) + 1) / 10) + 10 ^ ((Lwi(7) + 1) / 10) + 10 ^ ((Lwi(8) - 1) / 10)) / LOG(10#)

'

'

' LOCATE 3, 2: PRINT " Hz 63 125 250 500 1000 2000 4000 8000 Niveau"

' LOCATE 4, 2: PRINT STRING$(70, 196)

' LOCATE 5, 2: PRINT USING "Lwi dB ### ### ### ### ### ### ### ### ### dB(A)"; Lwi(1), Lwi(2), Lwi(3), Lwi(4), Lwi(5), Lwi(6), Lwi(7), Lwi(8), LwiA

' LOCATE 6, 2: PRINT USING "Lw dB ### ### ### ### ### ### ### ### ### dB(A)"; Lw(1), Lw(2), Lw(3), Lw(4), Lw(5), Lw(6), Lw(7), Lw(8), Lwa

' LOCATE 7, 2: PRINT USING "Lp dB ### ### ### ### ### ### ### ### ### dB(A)"; Lp(1), Lp(2), Lp(3), Lp(4), Lp(5), Lp(6), Lp(7), Lp(8), LpA

' LOCATE 8, 2: PRINT STRING$(70, 196)

'

' REM \*\*\*\*\*\*\*\*\*\*\* SELECTIE HUISISOLATIE \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

' 30 LOCATE 9, 2: PRINT SPC(70);

' LOCATE 9, 2: PRINT "Wilt u huisisolatie toepassen ??? (J/N) : "

' DO

' iso$ = INKEY$

' LOOP WHILE iso$ = ""

' IF iso$ = "N" OR iso$ = "n" THEN GOTO 50

'

' 32 CLOSE #1

' OPEN "isolatie" FOR INPUT AS #1

' FOR i = 1 TO 28

' IF i <= 14 THEN LOCATE 8 + 1, 1: PRINT SPC(78);

' INPUT #1, dikte(i), sheet$(i), foil(i), iso(i, 1), iso(i, 2), iso(i, 3), iso(i, 4), iso(i, 5), iso(i, 6), iso(i, 7), iso(i, 8)

' IF i <= 14 THEN LOCATE 8 + i, 2: PRINT USING "## = #### mm Rockwool + \ \"; i, dikte(i), sheet$(i)

' IF i > 14 THEN LOCATE -6 + i, 36: PRINT USING "## = #### mm Rockwool + #.# mm Folie + \ \"; i, dikte(i), foil(i), sheet$(i)

' NEXT i

' CLOSE #1

'

' 40 LOCATE 25, 2: PRINT SPC(70); : LOCATE 23, 2: INPUT " Welke isolatie past u toe ? "; isnr

'

' IF NOT (isnr > 0 AND isnr <= i) THEN GOTO 40

' FOR i = 8 TO 24: LOCATE i, 1: PRINT SPC(76); : NEXT i

'

' LOCATE 9, 2: PRINT "Reductie"

' LOCATE 10, 2: PRINT STRING$(70, 196)

' LOCATE 11, 2: PRINT "Lp red."

' LOCATE 12, 2: PRINT "Lw red."

' LOCATE 13, 2: PRINT STRING$(70, 196)

'

' FOR i = 1 TO 8

' LOCATE 9, i \* 6 + 5: PRINT USING "-##"; iso(isnr, i)

' Lpiso(i) = Lp(i) - iso(isnr, i): LOCATE 11, i \* 6 + 5: PRINT USING "###"; Lpiso(i)

' Lwiso(i) = Lw(i) - iso(isnr, i): LOCATE 12, i \* 6 + 5: PRINT USING "###"; Lwiso(i)

' NEXT i

' LpisoA = 10 \* LOG(10 ^ ((Lpiso(1) - 26) / 10) + 10 ^ ((Lpiso(2) - 16) / 10) + 10 ^ ((Lpiso(3) - 8) / 10) + 10 ^ ((Lpiso(4) - 3) / 10) + 10 ^ (Lpiso(5) / 10) + 10 ^ ((Lpiso(6) + 1) / 10) + 10 ^ ((Lpiso(7) + 1) / 10) + 10 ^ ((Lpiso(8) - 1) / 10)) \_

' / LOG(10#)

' LwisoA = 10 \* LOG(10 ^ ((Lwiso(1) - 26) / 10) + 10 ^ ((Lwiso(2) - 16) / 10) + 10 ^ ((Lwiso(3) - 8) / 10) + 10 ^ ((Lwiso(4) - 3) / 10) + 10 ^ (Lwiso(5) / 10) + 10 ^ ((Lwiso(6) + 1) / 10) + 10 ^ ((Lwiso(7) + 1) / 10) + 10 ^ ((Lwiso(8) - 1) / 10)) \_

' / LOG(10#)

' LOCATE 11, 59: PRINT USING "### dB(A)"; LpisoA

' LOCATE 12, 59: PRINT USING "### dB(A)"; LwisoA

'

' LOCATE 14, 2: IF foil(isnr) <> 0 THEN PRINT USING "Isolatie bestaande uit : ### mm Rockwool, ##.# mm folie en 1.5 mm \ \ "; dikte(isnr), foil(isnr), sheet$(isnr) ELSE PRINT USING "Isolatie bestaande uit : ### mm Rockwool en 1.5 mm \ \"; \_

' dikte(isnr), sheet$(isnr)

' LOCATE 16, 2: PRINT "Is de juiste isolatie toegepast ?? (J/N)"

' DO

' A$ = INKEY$

' LOOP WHILE A$ = ""

' IF A$ = "N" OR A$ = "n" THEN GOTO 32

'

' 50 REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

' REM Uitprinten geluidsgegevens

' REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

' LPRINT

' LPRINT "THEORETISCHE GELUID BEREKENING KENNEMER VENTILATOREN"

' LPRINT

' LPRINT USING "Type : \ \ ####/####/\ \"; DRUK$, mt(1), dia, TYPE$

' IF (r(1, 7) / rpm) > .99 AND (r(1, 7) / rpm) < 1.01 THEN LPRINT USING "Toerental : #### rpm"; rpm ELSE LPRINT USING "Toerental : #### rpm"; r(1, 7)

' LPRINT

'

' LPRINT

' LPRINT STRING$(70, 205)

' LPRINT

' LPRINT USING "Capaciteit werkpunt [m3/s] : ###.## "; in(8)

' LPRINT USING "Totaaldruk werkpunt [mm wk] : #### "; pt

' LPRINT USING "Afm. vent. (LxBxH) [mm] : #### x #### x #### "; Lvent \* 1000; Bvent \* 1000; Hvent \* 1000

' LPRINT USING "Spec. toerental nq [1/min] : ###.# "; nq

' LPRINT USING "Wanddikte huis [mm] : ### "; wand

' LPRINT USING "Lws [dB] : ###.# "; Lws

' LPRINT USING "delta LkA [dB] : ### "; dLKA

' LPRINT USING "Lwi [dB] : ###.# "; Lwi

' LPRINT USING "Rv [dB] : ###.# "; Rv

' LPRINT USING "Sa x Sb x Sc (LxBxH) [m] : ###.### x ##.### x ##.### "; Sa; Sb; Sc

' LPRINT USING "Ls [dB] : ###.# "; Ls

' LPRINT USING "Sv [dB] : ###.# "; Sv

' LPRINT USING "Lv / L [dB] : ###.# / ###.# "; Lv; L

' LPRINT USING "Lwa / LwAa [dB/dB(A)] : ###.# / ###.# "; Lwa; LwAa

' LPRINT USING "fBA (corr. bouwvorm / rendement) : ##.## = 1 + « \* (eff. / 82 % -1)"; fBA

' LPRINT

' LPRINT STRING$(70, 205)

' LPRINT

' LPRINT " Hz 63 125 250 500 1000 2000 4000 8000 Niveau"

' LPRINT STRING$(70, 196)

' LPRINT USING "Drel dB ### ### ### ### ### ### ### ###"; Lwrel(1), Lwrel(2), Lwrel(3), Lwrel(4), Lwrel(5), Lwrel(6), Lwrel(7), Lwrel(8)

' LPRINT USING "Lwi dB ### ### ### ### ### ### ### ### ### dB(A)"; Lwi(1), Lwi(2), Lwi(3), Lwi(4), Lwi(5), Lwi(6), Lwi(7), Lwi(8), LwiA

' LPRINT STRING$(70, 196)

' LPRINT USING "Lw dB ### ### ### ### ### ### ### ### ### dB(A)"; Lw(1), Lw(2), Lw(3), Lw(4), Lw(5), Lw(6), Lw(7), Lw(8), Lwa

' LPRINT USING "Lp dB ### ### ### ### ### ### ### ### ### dB(A)"; Lp(1), Lp(2), Lp(3), Lp(4), Lp(5), Lp(6), Lp(7), Lp(8), LpA

' LPRINT STRING$(70, 196)

' IF iso$ = "n" OR iso$ = "N" THEN GOTO 62

' LPRINT USING "Reductie -## -## -## -## -## -## -## -##"; iso(isnr, 1); iso(isnr, 2); iso(isnr, 3); iso(isnr, 4); iso(isnr, 5); iso(isnr, 6); iso(isnr, 7); iso(isnr, 8)

' LPRINT STRING$(70, 196)

' LPRINT USING "Lw red. ### ### ### ### ### ### ### ### ### dB(A)"; Lwiso(1); Lwiso(2); Lwiso(3); Lwiso(4); Lwiso(5); Lwiso(6); Lwiso(7); Lwiso(8); LwisoA

' LPRINT USING "Lp red. ### ### ### ### ### ### ### ### ### dB(A)"; Lpiso(1); Lpiso(2); Lpiso(3); Lpiso(4); Lpiso(5); Lpiso(6); Lpiso(7); Lpiso(8); LpisoA

' LPRINT STRING$(70, 196)

' LPRINT

' LPRINT "Lwi = Geluidsvermogen waaier (basis voor geluid in zuig/persmond)"

' LPRINT "Lw = Geluidsvermogen ventilatorhuis "

' LPRINT "Lp = Geluidsdruk op 1 meter afstand van het ventilatorhuis"

' IF foil(isnr) <> 0 THEN LPRINT USING "Isolatie = ### mm Rockwool, ##.# mm folie en 1.5 mm \ \ "; dikte(isnr), foil(isnr), sheet$(isnr) ELSE LPRINT USING "Isolatie bestaande uit : ### mm Rockwool en 1.5 mm \ \"; dikte(isnr), sheet$(isnr)

' LPRINT "Tolerantie = + 3 dB"

' LPRINT "A correctie volgens DIN 45633"

'

'

' 62 LPRINT

' LPRINT "NB. Het bovengenoemde geluid is excl. geluid van motor, lagers of V-snaren"

' LPRINT " Het uiteindelijke geluidniveau in de zuig- en persmond is afhankelijk"

' LPRINT " van de afmetingen en de luchtsnelheid:"

' LPRINT

' LPRINT " 1. Vet lagering bij 3000 rpm : ñ 78 dB(A)"

' LPRINT " 1500 rpm : ñ 68 dB(A)"

' LPRINT " 2. V-snaren bij 3000 rpm : ñ 77 dB(A)"

' LPRINT " 1500 rpm : ñ 67 dB(A)"

' LPRINT " 3. Motor geluid volgens opgave leverancier"

'

'

'

' 65 END SUB

'

' SUB GRAFIEK (TYPE$, dia, rpm, in(), Tmin, Smmin)

' DIM G(6, 12): DIM G1(6, 12): DIM H0(15)

' z% = 0

' t$ = TYPE$

' d2 = dia

' n2 = rpm

' L = LEN(t$)

' CLOSE #1

' OPEN "R", #1, t$, 24

' FIELD #1, 6 AS A$, 6 AS b$, 6 AS c$, 6 AS D$

' 73 z% = z% + 1

' GET #1, z%

' G(1, z%) = CVSMBF(A$)

' G(2, z%) = CVSMBF(b$)

' G(3, z%) = CVSMBF(c$)

' G(4, z%) = CVSMBF(D$)

' IF z% = 12 THEN GOTO 200

' GOTO 73

' 200 CLOSE #1

' T1$ = t$ + "1"

' OPEN "I", #1, T1$

' FOR i = 1 TO 15

' INPUT #1, H0(i)

' NEXT i

' CLOSE #1

' OPEN "R", #1, "LINE", 65

' FIELD #1, 5 AS A$, 5 AS b$, 10 AS c$, 5 AS D$, 10 AS E$, 10 AS f$, 5 AS G$, 10 AS H$, 5 AS j$

' CODE% = 0

' 188 CODE% = CODE% + 1

' GET #1, CODE%

' C1$ = c$

' d1 = CVSMBF(D$)

' E1$ = E$

' F1$ = f$

' G1 = CVI(G$)

' H1$ = H$

' F1 = CVI(j$)

' IF LEFT$(C1$, L) = LEFT$(t$, L) THEN GOTO 198

' IF d1 < 1 THEN GOTO 198

' GOTO 188

' 198 Sa = in(6)

' n1 = d1

' d1 = H0(2)

' M = d2 / H0(2)

' 201 REM BEREKENING CAPACITEIT

' FOR i = 1 TO 12

' G1(1, i) = G(1, i) \* (n2 / n1) \* M ^ 3

' NEXT i

' REM BEREKENING PST

' FOR i = 1 TO 12

' G1(2, i) = G(2, i) \* (n2 / n1) ^ 2 \* (Sa / 1.2) \* M ^ 2

' NEXT i

' REM BEREKENING VERMOGEN

' FOR i = 1 TO 12

' G1(3, i) = G(3, i) \* (n2 / n1) ^ 3 \* (Sa / 1.2) \* M ^ 5 \* .7355

' NEXT i

' FOR i = 1 TO 12

' G1(4, i) = G(4, i)

' NEXT i

' REM BEREKENING PDYN

' A = (H0(3) / 1000) \* (H0(4) / 1000)

' A1 = (H0(3) \* M / 1000) \* (H0(4) \* M / 1000)

' FOR i = 1 TO 12

' v = G(1, i) / A

' G(5, i) = v ^ 2 \* 1.2 / 20

' V1 = G1(1, i) / A1

' G1(5, i) = V1 ^ 2 \* Sa / 20

' NEXT i

' REM PTOT

' FOR i = 1 TO 12

' G(6, i) = G(2, i) + G(5, i)

' G1(6, i) = G1(2, i) + G1(5, i)

' NEXT i

' REM PRINTEN

' CLS

' LPRINT STRING$(80, 196)

' LPRINT

' LPRINT "VENTILATOR GRAFIEK "

' LPRINT

' SELECT CASE Kv

' CASE 1, 3

' f = 1

' f$ = "[m3/s]"

' CASE ELSE

' f = 3600

' f$ = "[m3/h]"

' END SELECT

' SELECT CASE Kp

' CASE 1

' p = 1

' p$ = "[mm wk]"

' CASE 2

' p = 9.81

' p$ = "[Pa]"

' CASE ELSE

' p = .0981

' p$ = "[mbarg]"

' END SELECT

'

' LPRINT USING " Q \ \ pt \ \ pd \ \ ps \ \ P [kW] Eff.[%]"; f$; p$; p$; p$;

' IF in(3) < 10 OR in(3) > 30 OR in(3) - Tmin > 10 THEN LPRINT USING "³ P ###øC [kW]"; Tmin ELSE LPRINT

' IF in(3) < 10 OR in(3) > 30 OR in(3) - Tmin > 10 THEN LPRINT SPC(63); "³" ELSE LPRINT

' FOR i = 1 TO 12

' SELECT CASE f

' CASE 1

' IF p = 1 THEN LPRINT USING " ###.## ####.# ####.# ####.# ####.# ##.## "; G1(1, i); G1(6, i) \* p; G1(5, i) \* p; G1(2, i) \* p; G1(3, i); G1(4, i);

' IF p = 9.81 THEN LPRINT USING " ###.## ###### ###### ###### ####.# ##.## "; G1(1, i); G1(6, i) \* p; G1(5, i) \* p; G1(2, i) \* p; G1(3, i); G1(4, i);

' IF p = .0981 THEN LPRINT USING " ###.## ###.## ###.## ###.## ####.# ##.## "; G1(1, i); G1(6, i) \* p; G1(5, i) \* p; G1(2, i) \* p; G1(3, i); G1(4, i);

' CASE ELSE

' IF p = 1 THEN LPRINT USING " ###### ####.# ####.# ####.# ####.# ##.## "; G1(1, i) \* 3600; G1(6, i) \* p; G1(5, i) \* p; G1(2, i) \* p; G1(3, i); G1(4, i);

' IF p = 9.81 THEN LPRINT USING " ###### ###### ###### ###### ####.# ##.## "; G1(1, i) \* 3600; G1(6, i) \* p; G1(5, i) \* p; G1(2, i) \* p; G1(3, i); G1(4, i);

' IF p = .0981 THEN LPRINT USING " ###### ###.## ###.## ###.## ####.# ##.## "; G1(1, i) \* 3600; G1(6, i) \* p; G1(5, i) \* p; G1(2, i) \* p; G1(3, i); G1(4, i);

' END SELECT

' IF in(3) < 10 OR in(3) > 30 THEN LPRINT USING "³ ####.# "; G1(3, i) \* Smmin / in(6) ELSE LPRINT

' NEXT i

'

' END SUB

'

' SUB MOTOR (r(), in(), r$())

' IF in(10) = 1 THEN GOTO 360

' IF r(1, 7) > 2300 THEN M$ = "M3000" ELSE M$ = "M1500"

' GOTO 370

' 360 IF r(1, 7) < 800 THEN M$ = "M750"

' IF r(1, 7) > 800 AND r(1, 7) < 1300 THEN M$ = "M1000"

' IF r(1, 7) > 1300 AND r(1, 7) < 2700 THEN M$ = "M1500"

' IF r(1, 7) > 2700 THEN M$ = "M3000"

' CLOSE #1

' 370 OPEN "R", #1, M$, 31

' FIELD #1, 4 AS A$, 5 AS c$, 8 AS D$, 5 AS E$, 4 AS f$, 5 AS H$

' CODE% = 0

' 371 CODE% = CODE% + 1

' GET #1, CODE%

' r(4, 1) = CVSMBF(A$)

' IF r(4, 1) > (1.15 \* r(1, 4)) THEN GOTO 372

' IF r(4, 1) < .1 THEN GOTO 372

' GOTO 371

' 372 r(4, 2) = CVSMBF(c$)

' r$(1) = D$

' r(4, 3) = CVSMBF(E$)

' r(4, 4) = CVSMBF(f$)

' r(4, 5) = CVSMBF(H$)

' END SUB

'

' SUB PRINTER (TYPE$, r(), r$(), in(), dia, rpm, Tmin, Smmin)

' LPRINT "Selectieprogramma voor Kennemer ventilatoren (Versie 95.2)"

' LPRINT

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN DRUK = 1.2 / in(6) \* in(4) ELSE DRUK = 1.2 / in(6) \* r(1, 3)

' IF DRUK < 200 THEN DRUK$ = "LD"

' IF DRUK >= 200 AND DRUK < 500 THEN DRUK$ = "MD"

' IF DRUK >= 500 THEN DRUK$ = "HD"

' IF TYPE$ = "T1A" OR TYPE$ = "T12A" THEN DRUK$ = DRUK$ + "C"

' LPRINT USING "TYPE VENTILATOR ³ \ \ ####/####/\ \"; DRUK$, mt(1), dia, TYPE$

' IF in(1) = -1 THEN LPRINT "OPSTELLING ³ ZUIGEND" ELSE LPRINT "OPSTELLING ³ PERSEND"

' IF dia = 0 THEN dia = r(1, 8)

' IF (r(1, 8) / dia) > .99 AND (r(1, 8) / dia) < 1.01 THEN LPRINT USING "DIAMETER WAAIER [mm] ³ ##### "; dia ELSE LPRINT USING "DIAMETER WAAIER [mm] ³ ##### "; r(1, 8)

' IF rpm = 0 THEN rpm = r(1, 7)

' IF (r(1, 7) / rpm) > .99 AND (r(1, 7) / rpm) < 1.01 THEN LPRINT USING "TOERENTAL [rpm] ³ ##### "; rpm ELSE LPRINT USING "TOERENTAL [rpm] ³ ##### "; r(1, 7)

'

' IF (r(1, 2) / in(8)) > .99 AND (r(1, 2) / in(8)) < 1.01 THEN capp = in(8) ELSE capp = r(1, 2)

'

' IF Kv = 3 OR Kv = 1 THEN LPRINT USING "CAPACITEIT [Bm3/s] ³ ###.## "; capp

' IF Kv = 4 OR Kv = 2 THEN LPRINT USING "CAPACITEIT [Bm3/h] ³ ####### "; capp \* 3600

' IF Kv = 1 THEN LPRINT USING "CAPACITEIT [Nm3/s] ³ ###.## "; in(5)

' IF Kv = 2 THEN LPRINT USING "CAPACITEIT [Nm3/h] ³ ####### "; in(5) \* 3600

' IF in(3) < 10 OR in(3) > 30 OR in(2) - Tmin > 10 THEN GOTO 211

' IF Kv = 3 OR Kv = 1 THEN LPRINT USING "MASSASTROOM [kg/s] ³ ###.## "; capp \* in(6)

' IF Kv = 4 OR Kv = 2 THEN LPRINT USING "MASSASTROOM [kg/h] ³ ####### "; capp \* 3600 \* in(6)

'

' LPRINT USING "TEMPERATUUR [øC] ³ #### "; in(3)

' LPRINT USING "SOORTELIJK GEWICHT [kg/Nm3] ³ ##.### "; in(2)

' LPRINT USING " [kg/Bm3] ³ ##.### "; in(6)

' LPRINT " ³"

'

' SELECT CASE Kp

' CASE 1 ' eenheid druk mm wk

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN LPRINT USING "STATISCHE DRUK [mm wk] ³ ##### "; in(4) ELSE LPRINT USING "STATISCHE DRUK [mmwk] ³ ##### "; r(1, 3)

' LPRINT USING "DYNAMISCHE DRUK [mm wk] ³ ##### "; r(1, 6)

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN LPRINT USING "TOTAAL DRUK [mm wk] ³ ##### "; in(4) + r(1, 6) ELSE LPRINT USING "TOTAAL DRUK [mmwk] ³ ##### "; r(1, 3) + r(1, 6)

' CASE 2 ' eenheid druk Pa

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN LPRINT USING "STATISCHE DRUK [Pa] ³######## "; in(4) / .1019 ELSE LPRINT USING "STATISCHE DRUK [Pa] ³######## "; r(1, 3) / .1019

' LPRINT USING "DYNAMISCHE DRUK [Pa] ³######## "; r(1, 6) / .1019

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN LPRINT USING "TOTAAL DRUK [Pa] ³######## "; (in(4) + r(1, 6)) / .1019 ELSE LPRINT USING "TOTAAL DRUK [Pa] ³######## "; (r(1, 3) + r(1, 6)) / .1019

' CASE ELSE 'eenheid druk mbar

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN LPRINT USING "STATISCHE DRUK [mbar] ³ ####.# "; in(4) / 10.19 ELSE LPRINT USING "STATISCHE DRUK [mbar] ³ ####.# "; r(1, 3) / 10.19

' LPRINT USING "DYNAMISCHE DRUK [mbar] ³ ####.# "; r(1, 6) / 10.19

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN LPRINT USING "TOTAAL DRUK [mbar] ³ ####.# "; (in(4) + r(1, 6)) / 10.19 ELSE LPRINT USING "TOTAAL DRUK [mbar] ³ ####.# "; (r(1, 3) + r(1, 6)) / 10.19

' END SELECT

' LPRINT USING "ASVERMOGEN [kW] ³ ####.# "; r(1, 4)

'

' GOTO 212

' 211 IF Kv = 3 OR Kv = 1 THEN LPRINT USING "MASSASTROOM [kg/s] ³ ###.## ³ ###.## ³ "; capp \* in(6), capp \* Smmin

' IF Kv = 4 OR Kv = 2 THEN LPRINT USING "MASSASTROOM [kg/h] ³ ####### ³ ####### ³ "; capp \* 3600 \* in(6), capp \* 3600 \* Smmin

'

' LPRINT USING "TEMPERATUUR [øC] ³ #### ³ #### ³ "; in(3), Tmin

' LPRINT USING "SOORTELIJK GEWICHT [kg/Nm3] ³ ##.### ³ ##.### ³ "; in(2), in(2)

' LPRINT USING " [kg/Bm3] ³ ##.### ³ ##.### ³ "; in(6), Smmin

' LPRINT " ³ ³ ³"

' DRK = Smmin / in(6)

' SELECT CASE Kp

' CASE 1 ' eenheid druk mm wk

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN LPRINT USING "STATISCHE DRUK [mm wk] ³ ##### ³ ##### ³ "; in(4), in(4) \* DRK ELSE LPRINT USING "STATISCHE DRUK [mmwk] ³ ##### ³ ##### ³ "; r(1, 3) \_

' , r(1, 3) \* DRK

' LPRINT USING "DYNAMISCHE DRUK [mm wk] ³ ##### ³ ##### ³ "; r(1, 6), r(1, 6) \* DRK

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN LPRINT USING "TOTAAL DRUK [mm wk] ³ ##### ³ ##### ³ "; in(4) + r(1, 6), (in(4) + r(1, 6)) \* DRK ELSE LPRINT USING \_

' TOTAAL DRUK [mmwk] ³ ##### ³ ##### ³ ; r(1, 3) + r(1, 6), (r(1, 3) + r(1, 6)) \* DRK

' CASE 2 ' eenheid druk Pa

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN LPRINT USING "STATISCHE DRUK [Pa] ³######## ³######## ³ "; in(4) / .1019, (in(4) / .1019) \* DRK ELSE LPRINT USING \_

' STATISCHE DRUK [Pa] ³######## ³######## ³ ; r(1, 3) / .1019, (r(1, 3) / .1019) \* DRK

' LPRINT USING "DYNAMISCHE DRUK [Pa] ³######## ³######## ³ "; r(1, 6) / .1019, (r(1, 6) / .1019) \* DRK

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN LPRINT USING "TOTAAL DRUK [Pa] ³######## ³######## ³ "; (in(4) + r(1, 6)) / .1019, ((in(4) + r(1, 6)) / .1019) \* DRK ELSE LPRINT USING \_

' TOTAAL DRUK [Pa] ³######## ³######## ³ ; (r(1, 3) + r(1, 6)) / .1019, ((r(1, 3) + r(1, 6)) / .1019) \* DRK

' CASE ELSE 'eenheid druk mbar

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN LPRINT USING "STATISCHE DRUK [mbar] ³ ####.# ³ ####.# ³ "; in(4) / 10.19, (in(4) / 10.19) \* DRK ELSE LPRINT USING \_

' STATISCHE DRUK [mbar] ³ ####.# ³ ####.# ³ ; r(1, 3) / 10.19, (r(1, 3) / 10.19) \* DRK

' LPRINT USING "DYNAMISCHE DRUK [mbar] ³ ####.# ³ ####.# ³ "; r(1, 6) / 10.19, r(1, 6) / 10.19 \* DRK

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN LPRINT USING "TOTAAL DRUK [mbar] ³ ####.# ³ ####.# ³ "; (in(4) + r(1, 6)) / 10.19, ((in(4) + r(1, 6)) / 10.19) \* DRK ELSE LPRINT USING \_

' TOTAAL DRUK [mbar] ³ ####.# ³ ####.# ³ ; (r(1, 3) + r(1, 6)) / 10.19, ((r(1, 3) + r(1, 6)) / 10.19) \* DRK

' END SELECT

'

' LPRINT USING "ASVERMOGEN [kW] ³ ####.# ³ ####.# ³ "; r(1, 4), r(1, 4) \* DRK

'

' 212 LPRINT USING "RENDEMENT [%] ³ ##.# "; r(1, 5)

' LPRINT " ³"

' LPRINT USING "MOTOR VERMOGEN [kW] ³ ####.# "; r(4, 1)

' LPRINT USING " VOLLAST [rpm] ³ ##### "; r(4, 3)

' LPRINT USING " HUISGROOTTE ³ \ \ "; r$(1)

' LPRINT

' END SUB

'

' SUB SCHERM (TYPE$, r(), r$(), in(), dia, rpm, Tmin, Smmin)

' CLS

' PRINT USING "TYPE VENTILATOR ³ \ \"; TYPE$

' IF in(1) = -1 THEN PRINT "OPSTELLING ³ ZUIGEND" ELSE PRINT "OPSTELLING ³ PERSEND"

' IF dia = 0 THEN dia = r(1, 8)

' IF (r(1, 8) / dia) > .99 AND (r(1, 8) / dia) < 1.01 THEN PRINT USING "DIAMETER WAAIER [mm] ³ ##### "; dia ELSE PRINT USING "DIAMETER WAAIER [mm] ³ ##### "; r(1, 8)

' IF rpm = 0 THEN rpm = r(1, 7)

' IF (r(1, 7) / rpm) > .99 AND (r(1, 7) / rpm) < 1.01 THEN PRINT USING "TOERENTAL [rpm] ³ ##### "; rpm ELSE PRINT USING "TOERENTAL [rpm] ³ ##### "; r(1, 7)

'

' IF (r(1, 2) / in(8)) > .99 AND (r(1, 2) / in(8)) < 1.01 THEN capp = in(8) ELSE capp = r(1, 2)

'

' IF Kv = 3 OR Kv = 1 THEN PRINT USING "CAPACITEIT [Bm3/s] ³ ###.## "; capp

' IF Kv = 4 OR Kv = 2 THEN PRINT USING "CAPACITEIT [Bm3/h] ³ ####### "; capp \* 3600

' IF Kv = 1 THEN PRINT USING "CAPACITEIT [Nm3/s] ³ ###.## "; in(5)

' IF Kv = 2 THEN PRINT USING "CAPACITEIT [Nm3/h] ³ ####### "; in(5) \* 3600

' IF in(3) < 10 OR in(3) > 30 OR in(3) - Tmin > 10 THEN GOTO 208

'

' IF Kv = 3 OR Kv = 1 THEN PRINT USING "MASSASTROOM [kg/s] ³ ###.## "; capp \* in(6)

' IF Kv = 4 OR Kv = 2 THEN PRINT USING "MASSASTROOM [kg/h] ³ ####### "; capp \* 3600 \* in(6)

'

' PRINT USING "TEMPERATUUR [øC] ³ #### "; in(3)

' PRINT USING "SOORTELIJK GEWICHT [kg/Nm3] ³ ##.### "; in(2)

' PRINT USING " [kg/Bm3] ³ ##.### "; in(6)

' PRINT " ³"

'

' SELECT CASE Kp

' CASE 1 ' eenheid druk mm wk

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN PRINT USING "STATISCHE DRUK [mm wk] ³ ##### "; in(4) ELSE PRINT USING "STATISCHE DRUK [mmwk] ³ ##### "; r(1, 3)

' PRINT USING "DYNAMISCHE DRUK [mm wk] ³ ##### "; r(1, 6)

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN PRINT USING "TOTAAL DRUK [mm wk] ³ ##### "; in(4) + r(1, 6) ELSE PRINT USING "TOTAAL DRUK [mmwk] ³ ##### "; r(1, 3) + r(1, 6)

' CASE 2 ' eenheid druk Pa

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN PRINT USING "STATISCHE DRUK [Pa] ³######## "; in(4) / .1019 ELSE PRINT USING "STATISCHE DRUK [Pa] ³######## "; r(1, 3) / .1019

' PRINT USING "DYNAMISCHE DRUK [Pa] ³######## "; r(1, 6) / .1019

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN PRINT USING "TOTAAL DRUK [Pa] ³######## "; (in(4) + r(1, 6)) / .1019 ELSE PRINT USING "TOTAAL DRUK [Pa] ³######## "; (r(1, 3) + r(1, 6)) / .1019

' CASE ELSE 'eenheid druk mbar

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN PRINT USING "STATISCHE DRUK [mbar] ³ ####.# "; in(4) / 10.19 ELSE PRINT USING "STATISCHE DRUK [mbar] ³ ####.# "; r(1, 3) / 10.19

' PRINT USING "DYNAMISCHE DRUK [mbar] ³ ####.# "; r(1, 6) / 10.19

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN PRINT USING "TOTAAL DRUK [mbar] ³ ####.# "; (in(4) + r(1, 6)) / 10.19 ELSE PRINT USING "TOTAAL DRUK [mbar] ³ ####.# "; (r(1, 3) + r(1, 6)) / 10.19

' END SELECT

' PRINT USING "ASVERMOGEN [kW] ³ ####.# "; r(1, 4)

' GOTO 209

' 208 IF Kv = 3 OR Kv = 1 THEN PRINT USING "MASSASTROOM [kg/s] ³ ###.## ³ ###.## ³ "; capp \* in(6), capp \* Smmin

' IF Kv = 4 OR Kv = 2 THEN PRINT USING "MASSASTROOM [kg/h] ³ ####### ³ ####### ³ "; capp \* 3600 \* in(6), capp \* 3600 \* Smmin

'

' PRINT USING "TEMPERATUUR [øC] ³ #### ³ #### ³ "; in(3), Tmin

' PRINT USING "SOORTELIJK GEWICHT [kg/Nm3] ³ ##.### ³ ##.### ³ "; in(2), in(2)

' PRINT USING " [kg/Bm3] ³ ##.### ³ ##.### ³ "; in(6), Smmin

' PRINT " ³ ³ ³"

' DRK = Smmin / in(6)

' SELECT CASE Kp

' CASE 1 ' eenheid druk mm wk

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN PRINT USING "STATISCHE DRUK [mm wk] ³ ##### ³ ##### ³ "; in(4), in(4) \* DRK ELSE PRINT USING "STATISCHE DRUK [mmwk] ³ ##### ³ ##### ³ "; r(1, 3), \_

' r(1, 3) \* DRK

' PRINT USING "DYNAMISCHE DRUK [mm wk] ³ ##### ³ ##### ³ "; r(1, 6), r(1, 6) \* DRK

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN PRINT USING "TOTAAL DRUK [mm wk] ³ ##### ³ ##### ³ "; in(4) + r(1, 6), (in(4) + r(1, 6)) \* DRK ELSE PRINT USING \_

' TOTAAL DRUK [mmwk] ³ ##### ³ ##### ³ ; r(1, 3) + r(1, 6), (r(1, 3) + r(1, 6)) \* DRK

' CASE 2 ' eenheid druk Pa

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN PRINT USING "STATISCHE DRUK [Pa] ³######## ³######## ³ "; in(4) / .1019, (in(4) / .1019) \* DRK ELSE PRINT USING \_

' STATISCHE DRUK [Pa] ³######## ³######## ³ ; r(1, 3) / .1019, (r(1, 3) / .1019) \* DRK

' PRINT USING "DYNAMISCHE DRUK [Pa] ³######## ³######## ³ "; r(1, 6) / .1019, (r(1, 6) / .1019) \* DRK

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN PRINT USING "TOTAAL DRUK [Pa] ³######## ³######## ³ "; (in(4) + r(1, 6)) / .1019, ((in(4) + r(1, 6)) / .1019) \* DRK ELSE PRINT USING \_

' TOTAAL DRUK [Pa] ³######## ³######## ³ ; (r(1, 3) + r(1, 6)) / .1019, ((r(1, 3) + r(1, 6)) / .1019) \* DRK

' CASE ELSE 'eenheid druk mbar

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN PRINT USING "STATISCHE DRUK [mbar] ³ ####.# ³ ####.# ³ "; in(4) / 10.19, (in(4) / 10.19) \* DRK ELSE PRINT USING \_

' STATISCHE DRUK [mbar] ³ ####.# ³ ####.# ³ ; r(1, 3) / 10.19, (r(1, 3) / 10.19) \* DRK

' PRINT USING "DYNAMISCHE DRUK [mbar] ³ ####.# ³ ####.# ³ "; r(1, 6) / 10.19, r(1, 6) / 10.19 \* DRK

' IF (r(1, 3) / in(4)) > .99 AND (r(1, 3) / in(4)) < 1.01 THEN PRINT USING "TOTAAL DRUK [mbar] ³ ####.# ³ ####.# ³ "; (in(4) + r(1, 6)) / 10.19, ((in(4) + r(1, 6)) / 10.19) \* DRK ELSE PRINT USING \_

' TOTAAL DRUK [mbar] ³ ####.# ³ ####.# ³ ; (r(1, 3) + r(1, 6)) / 10.19, ((r(1, 3) + r(1, 6)) / 10.19) \* DRK

' END SELECT

'

' PRINT USING "ASVERMOGEN [kW] ³ ####.# ³ ####.# ³ "; r(1, 4), r(1, 4) \* DRK

'

' 209 PRINT USING "RENDEMENT [%] ³ ##.# "; r(1, 5)

' PRINT " ³"

' PRINT USING "MOTOR VERMOGEN [kW] ³ ####.# "; r(4, 1)

' PRINT USING " VOLLAST [rpm] ³ ##### "; r(4, 3)

' keus = 1

' CALL SPANNING(TYPE$, r(), mt(), dia, rpm)

' DO

' LOOP WHILE INKEY$ = ""

' END SUB

'

' SUB SNAAR (TYPE$, TC(), NUM, dia, in(), r(), AF())

' DIM X(15): DIM G(14, 4)

' OPEN "R", #1, TYPE$, 24

' FIELD #1, 6 AS A$, 6 AS b$, 6 AS c$, 6 AS D$

' z% = 0

' 71 z% = z% + 1

' GET #1, z%

' G(z%, 1) = CVSMBF(A$)

' G(z%, 2) = CVSMBF(b$)

' G(z%, 3) = CVSMBF(c$)

' G(z%, 4) = CVSMBF(D$)

' IF G(z%, 2) < 1 THEN GOTO 81

' GOTO 71

' 81 CLOSE #1

' FOR i = 2 TO 12

' X(i) = G(i, 2) / G(i, 1) ^ 2

' NEXT i

' X1 = (dia / TC(NUM, 6)) ^ 4 \* (in(7) / in(8) ^ 2)

' FOR N = 3 TO 10

' L = N + 1

' IF X1 <= X(N) AND X1 >= X(L) THEN GOTO 91

' NEXT N

' 91 X0 = LOG(X1)

' X1 = LOG(X(N))

' X2 = LOG(X(L))

' DX0 = X0 - X1

' DX1 = X2 - X1

' DC = G(L, 1) - G(N, 1)

' DC1 = DX1 / DC

' DC0 = DX0 / DC1

' r(1, 2) = G(N, 1) + DC0

' F1 = DC0 / DC

' FOR K = 2 TO 4

' z = K + 1

' F2 = G(L, K) - G(N, K)

' r(1, z) = F2 \* F1 + G(N, K)

' NEXT K

' r(1, 1) = ((in(8) ^ 2 \* r(1, 3)) / (r(1, 2) ^ 2 \* in(7)))

' r(1, 1) = r(1, 1) ^ .25

' r(1, 7) = (in(8) \* TC(NUM, 5)) / (r(1, 2) \* r(1, 1) ^ 3)

' r(1, 2) = r(1, 2) \* (r(1, 7) / TC(NUM, 5)) \* (r(1, 1) ^ 3)

' r(1, 3) = r(1, 3) \* ((r(1, 7) / TC(NUM, 5)) ^ 2) \* (r(1, 1) ^ 2) \* (in(6) / 1.2)

' r(1, 4) = r(1, 4) \* ((r(1, 7) / TC(NUM, 5)) ^ 3) \* (r(1, 1) ^ 5) \* (in(6) / 1.2) \* .7355

' END SUB

'

' SUB SNAARVAR (TYPE$, TC(), NUM, in(), r(), AF())

'

' DIM G(14, 4)

' OPEN "R", #1, TYPE$, 24

' FIELD #1, 6 AS A$, 6 AS b$, 6 AS c$, 6 AS D$

' z% = 0

' 72 z% = z% + 1

' GET #1, z%

' G(z%, 1) = CVSMBF(A$)

' G(z%, 2) = CVSMBF(b$)

' G(z%, 3) = CVSMBF(c$)

' G(z%, 4) = CVSMBF(D$)

' IF G(z%, 2) < 1 THEN GOTO 82

' GOTO 72

' 82 CLOSE #1

' FOR K = 1 TO 4

' L = K + 1

' r(1, L) = G(7, K)

' NEXT K

' Q1 = (in(8) ^ 2 \* r(1, 3))

' Q2 = (r(1, 2) ^ 2 \* in(7))

' r(1, 1) = ((in(8) ^ 2 \* r(1, 3)) / (r(1, 2) ^ 2 \* in(7)))

' r(1, 1) = r(1, 1) ^ .25

' r(1, 7) = (in(8) \* TC(NUM, 5)) / (r(1, 2) \* r(1, 1) ^ 3)

' r(1, 2) = r(1, 2) \* (r(1, 7) / TC(NUM, 5)) \* (r(1, 1) ^ 3)

' r(1, 3) = r(1, 3) \* ((r(1, 7) / TC(NUM, 5)) ^ 2) \* (r(1, 1) ^ 2) \* (in(6) / 1.2)

' r(1, 4) = r(1, 4) \* ((r(1, 7) / TC(NUM, 5)) ^ 3) \* (r(1, 1) ^ 5) \* (in(6) / 1.2) \* .7355

' END SUB

'

' SUB SPANNING (TYPE$, r(), mt(), dia, rpm)

' DIM dinfl(35)

' CLOSE #1

' OPEN "I", #1, "MAATGEG1"

' DO WHILE NOT EOF(1)

' DO

' INPUT #1, t$, mt(1), mt(2), mt(3), mt(4), mt(5), mt(6), mt(7), mt(8), mt(9), mt(10), mt(11), mt(12), mt(13), mt(14)

' LOOP WHILE t$ <> TYPE$

' EXIT DO

' LOOP

' CLOSE #1

' t$ = ""

' OPEN "I", #1, "MAATGEG2"

' DO WHILE NOT EOF(1)

' DO

' INPUT #1, t$, mt(15), mt(16), mt(17), mt(18), mt(19)

' LOOP WHILE t$ <> TYPE$

' EXIT DO

' LOOP

' CLOSE #1

' OPEN "I", #1, "flenzen"

' DO WHILE NOT EOF(1)

' FOR t = 1 TO 30

' INPUT #1, dinfl(t)

' NEXT t

' LOOP

' CLOSE #1

' mg = dia / mt(4)

' FOR t = 1 TO 12

' mt(t) = mg \* mt(t)

' NEXT t

' FOR t = 1 TO 30

' IF dinfl(t) > mt(1) THEN GOTO 204

' NEXT t

' 204 zuigm = mt(1)

' IF mt(1) - dinfl(t - 1) > (dinfl(t) - dinfl(t - 1)) \* .25 THEN mt(1) = dinfl(t) ELSE mt(1) = dinfl(t - 1)

' IF mt(1) = 0 THEN mt(1) = zuigm

' IF NOT keus = 1 THEN CLS

' IF keus = 1 THEN sm = 7820 ELSE INPUT "SOORTELIJKE MASSA VAN HET MATERIAAL (kg/m3) : ", sm

' REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* vervolg programma \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

' pi = 3.141593

' kf = .87

' o = rpm / 60

' r1 = mt(3) / 2000

' r2 = dia / 2000

' br1 = mt(13) \* pi / 180

' br2 = mt(14) \* pi / 180

' sol = mt(6) / 1000

' sil = mt(5) / 1000

' S = .001

' FOR i = 2 TO 25

' s1 = S \* i

' Qu(i) = sol ^ 2 \* sm \* r2 \* (2 \* pi \* o) ^ 2 \* COS(br2) / (2 \* s1)

' Qu(i) = Qu(i) / 1000000

' Qi(i) = sil ^ 2 \* sm \* r1 \* (2 \* pi \* o) ^ 2 \* COS(br1) / (2 \* s1)

' Qi(i) = Qi(i) / 1000000

' NEXT i

' IF NOT keus = 1 THEN PRINT " Spanning schoep :"

' PRINT

' PRINT " Schoepdikte (mm) 2 3 4 5 6 8 10 12 15 18 20"

' PRINT USING " Inwendig (N/mmý) #### #### #### #### #### #### #### #### #### #### ####"; Qi(2); Qi(3); Qi(4); Qi(5); Qi(6); Qi(8); Qi(10); Qi(12); Qi(15); Qi(18); Qi(20)

' PRINT USING " Uitwendig (N/mmý) #### #### #### #### #### #### #### #### #### #### ####"; Qu(2); Qu(3); Qu(4); Qu(5); Qu(6); Qu(8); Qu(10); Qu(12); Qu(15); Qu(18); Qu(20)

' IF keus = 1 THEN GOTO 205

' PRINT

' INPUT " Geef schoepdikte :", S

' s1 = S / 1000

' r = (r2 ^ 2 - r1 ^ 2) / (2 \* (r2 \* COS(br2) - r1 \* COS(br1)))

' v = 2 \* ATN((r2 \* COS(br2) - r1 \* COS(br1)) / (r2 \* SIN(br2) + r1 \* SIN(br1)))

' L = r \* v

' m1 = mt(15) \* sm \* L \* s1 \* sil

' m2 = mt(15) \* sm \* L \* s1 \* (sil - sol) / 2

' Mschoep = m1 - m2

' Sa = .001

' FOR i = 2 TO 25

' ach = Sa \* i

' ma = r2 ^ 2 \* pi \* ach \* sm

' sma = (Mschoep + ma) \* sm / ma

' Qa(i) = kf \* sma \* (2 \* r2 \* pi \* o) ^ 2

' Qa(i) = Qa(i) / 1000000

' NEXT i

' Qv = kf \* sm \* (2 \* r2 \* pi \* o) ^ 2

' Qv = Qv / 1000000

' PRINT

' PRINT

' PRINT USING " Voorplaat (N/mmý) #### #### #### #### #### #### #### #### #### #### ####"; Qv; Qv; Qv; Qv; Qv; Qv; Qv; Qv; Qv; Qv; Qv

' INPUT " Geef dikte voorplaat :", Sv

' PRINT

' PRINT " Plaatdikte (mm) 3 4 5 6 8 10 12 15 18 20 25"

' PRINT USING " Achterplaat (N/mmý) #### #### #### #### #### #### #### #### #### #### ####"; Qa(3); Qa(4); Qa(5); Qa(6); Qa(8); Qa(10); Qa(12); Qa(15); Qa(18); Qa(20); Qa(25)

' INPUT " Geef dikte achterplaat :", Sa

' ach = Sa / 1000

' voo = Sv / 1000

' IF sil <> sol THEN b3 = ATN((sil - sol) / (r2 - r1)) \* pi / 180 ELSE b3 = 0

' mv = (r2 ^ 2 - r1 ^ 2) \* pi \* voo \* sm / COS(b3)

' ma = r2 ^ 2 \* pi \* ach \* sm

' mwaaier = mv + ma + Mschoep

' j = mg ^ 4 \* (Sa \* mt(16) + Sv \* mt(17) + S \* mt(18) + mt(19)) / 4 \* 1.05 \* sm / 7820

' LPRINT " Waaierberekening"

' LPRINT

' LPRINT " Gegevens"

' LPRINT

' LPRINT USING " Type ventilator : \ \ ####/####/\ \"; DRUK$, mt(1), dia, TYPE$

' LPRINT USING " Buitendiameter D2 : ####.# mm "; dia

' LPRINT USING " Toerental : ###### rpm"; rpm

' LPRINT USING " Soortelijke massa : ####.# kg/m3"; sm

' LPRINT USING " Binnendiameter D1 : ####.# mm "; mt(3)

' LPRINT USING " Intredehoek B1 : ####.# gr "; mt(13)

' LPRINT USING " Uittredehoek B2 : ####.# gr "; mt(14)

' LPRINT USING " Aantal schoepen : ####.# stuks "; mt(15)

' LPRINT USING " Schoepbreedte inw. : ####.# mm "; mt(5)

' LPRINT USING " Schoepbreedte uitw. : ####.# mm "; mt(6)

' LPRINT

' LPRINT " Resultaten."

' LPRINT

' LPRINT USING " Dikte achterplaat : ####.# mm "; Sa

' LPRINT USING " Schoepdikte : ####.# mm "; S

' LPRINT USING " Dikte voorplaat : ####.# mm "; Sv

' LPRINT USING " Massa achterplaat : ####.# kg"; ma

' LPRINT USING " Massa schoep : ####.# kg"; Mschoep

' LPRINT USING " Massa voorplaat : ####.# kg"; mv

' LPRINT USING " Massa waaier : ####.# kg"; mwaaier

' LPRINT USING " Lengte schoep :#####.# mm"; L \* 1000

' LPRINT USING " Spanning achterplaat :#####.# N/mmý "; Qa(Sa)

' LPRINT USING " Spanning schoep inwendig :#####.# N/mmý "; Qi(S)

' LPRINT USING " Spanning schoep uitwendig :#####.# N/mmý "; Qu(S)

' LPRINT USING " Spanning voorplaat :#####.# N/mmý "; Qv

' IF j <> 0 THEN LPRINT USING " Massatraagheid J :#####.# kgmý"; j

' LPRINT USING " Zuigmond dia. vlgs. T-model :##### mm "; zuigm

' IF mt(1) <> zuigm THEN LPRINT USING " vlgs. DIN :##### mm "; mt(1)

' LPRINT USING " Persmond afmetingen : #### mm x #### mm"; mt(7); mt(8)

' LPRINT

' LPRINT STRING$(79, 196)

' LPRINT "SPANNINGEN "

' LPRINT " Plaat dikte (mm) 2 3 4 5 6 8 10 12 15 18 20"

' LPRINT

' LPRINT USING " Schoep inw. (N/mmý) #### #### #### #### #### #### #### #### #### #### ####"; Qi(2); Qi(3); Qi(4); Qi(5); Qi(6); Qi(8); Qi(10); Qi(12); Qi(15); Qi(18); Qi(20)

' LPRINT USING " Schoep uitw.(N/mmý) #### #### #### #### #### #### #### #### #### #### ####"; Qu(2); Qu(3); Qu(4); Qu(5); Qu(6); Qu(8); Qu(10); Qu(12); Qu(15); Qu(18); Qu(20)

' LPRINT USING " Voorplaat (N/mmý) #### #### #### #### #### #### #### #### #### #### ####"; Qv; Qv; Qv; Qv; Qv; Qv; Qv; Qv; Qv; Qv; Qv

' LPRINT

' LPRINT " Plaat dikte (mm) 3 4 5 6 8 10 12 15 18 20 25"

' LPRINT

' LPRINT USING " Achterplaat (N/mmý) #### #### #### #### #### #### #### #### #### #### ####"; Qa(3); Qa(4); Qa(5); Qa(6); Qa(8); Qa(10); Qa(12); Qa(15); Qa(18); Qa(20); Qa(25)

' LPRINT

' LPRINT STRING$(79, 196)

' LPRINT "MAATGEGEVENS VENTILATORHUIS (excl. plaatdikte huis)"

' LPRINT

' LPRINT USING " a1 = ##### mm d = ##### mm "; mt(10), mt(9)

' LPRINT USING " b = ##### mm e = ##### mm "; mt(12), mt(9) + mt(7) / 2

' LPRINT USING " c = ##### mm D keel = ##### mm "; mt(11), mt(2)

' LPRINT

' LPRINT "HARTHOOGTE VENTILATOR (excl. huisisolatie en/of fundatieframe)"

' LPRINT

' LPRINT USING "Positie ventilatorhuis : G. 360ø = ##### mm G. 90ø = ##### mm "; mt(11) + 50, mt(12) + 50

' LPRINT USING " G. 180ø = ##### mm G.270ø = ##### mm "; mt(10) + 50, mt(9) + mt(7) / 2 + 100

' LPRINT STRING$(79, 196)

' LPRINT "AFMETINGEN KENNEMER ZUIGKAST"

' LPRINT

' f = pi / 4 \* mt(2) ^ 2

' LPRINT USING " Lengte onderzijde : ####### mm Lengte bovenzijde : ####### mm "; f / (mt(1) + 200), f / (mt(1) + 200) + .24008 \* 1.8 \* mt(1)

' LPRINT USING " Hoogte (incl «D) : ####### mm Breedte : ####### mm "; 1.8 \* mt(1), mt(1) + 200

' LPRINT CHR$(12)

' 205 keus = 0

' 250 END SUB