Form 5500

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Annual Return/Report of Employee Benefit Plan

This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code).

▶ **Complete all entries in accordance with the instructions to the Form 5500.**

OMB Nos. 1210-0110
1210-0089

2017

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017

A This return/report is for:
- [ ] a multiemployer plan
- [ ] a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
- [X] a single-employer plan
- [ ] a DFE (specify) ___

B This return/report is:
- [ ] the first return/report
- [ ] the final return/report
- [ ] an amended return/report
- [ ] a short plan year return/report (less than 12 months)

C If the plan is a collectively-bargained plan, check here. . . . . ▶ [ ]

D Check box if filing under:
- [X] Form 5558
- [ ] automatic extension
- [ ] the DFVC program
- [ ] special extension (enter description)

Part II Basic Plan Information—enter all requested information

1a Name of plan
INGERSOLL-RAND COMPANY EMPLOYEE SAVINGS PLAN (ESP)

1b Three-digit plan number (PN) ▶ 078

1c Effective date of plan 01/01/2003

2a Plan sponsor's name (employer, if for a single-employer plan)
Mailing address (include room, apt., suite no. and street, or P.O. Box)
City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions)

INGERSOLL-RAND COMPANY

800 E BEATY STREET
DAVIDSON, NC 28036

2b Employer Identification Number (EIN)
13-5156640

2c Plan Sponsor's telephone number
704-655-4000

2d Business code (see instructions)
333200

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	09/29/2018	PAUL LONGSTREET
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	09/29/2018	CHRISTOPHER J. KUEHN
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address ☐ Same as Plan Sponsor

BENEFITS ADMINISTRATION COMMITTEE O

800 E BEATY STREET
DAVIDSON, NC 28036

3b Administrator's EIN: 22-2116054

3c Administrator's telephone number: 704-655-4000

4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report:
a Sponsor's name
c Plan Name

4b EIN

4d PN

5 Total number of participants at the beginning of the plan year	**5**	18615
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines **6a(1), 6a(2), 6b, 6c,** and **6d**).		
a(1) Total number of active participants at the beginning of the plan year	**6a(1)**	17377
a(2) Total number of active participants at the end of the plan year	**6a(2)**	18180
b Retired or separated participants receiving benefits	**6b**	133
c Other retired or separated participants entitled to future benefits	**6c**	496
d Subtotal. Add lines **6a(2)**, **6b**, and **6c**	**6d**	18809
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	**6e**	97
f Total. Add lines **6d** and **6e**.	**6f**	18906
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g**	18148
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	3
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	**7**	

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:

2E 2F 2G 2J 2K 3H

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

9a Plan funding arrangement (check all that apply)

(1)	☐	Insurance
(2)	☐	Code section 412(e)(3) insurance contracts
(3)	☒	Trust
(4)	☐	General assets of the sponsor

9b Plan benefit arrangement (check all that apply)

(1)	☐	Insurance
(2)	☐	Code section 412(e)(3) insurance contracts
(3)	☒	Trust
(4)	☐	General assets of the sponsor

10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

(1)	☒	**R** (Retirement Plan Information)
(2)	☐	**MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
(3)	☐	**SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

b General Schedules

(1)	☒	**H** (Financial Information)
(2)	☐	**I** (Financial Information – Small Plan)
(3)	☐	**A** (Insurance Information)
(4)	☐	**C** (Service Provider Information)
(5)	☒	**D** (DFE/Participating Plan Information)
(6)	☐	**G** (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ..... ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ..... ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2017 Form M-1 annual report. If the plan was not required to file the 2017 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code_____

SCHEDULE D (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

DFE/Participating Plan Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2017

This Form is Open to Public Inspection.

For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017

A Name of plan
INGERSOLL-RAND COMPANY EMPLOYEE SAVINGS PLAN (ESP)

B Three-digit plan number (PN) ▶ 078

C Plan or DFE sponsor's name as shown on line 2a of Form 5500
INGERSOLL-RAND COMPANY

D Employer Identification Number (EIN)
13-5156640

Part I **Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs)**
(Complete as many entries as needed to report all interests in DFEs)

a Name of MTIA, CCT, PSA, or 103-12 IE: IR EMPLOYEE SAVINGS PLAN MASTER TRU

b Name of sponsor of entity listed in (a): INGERSOLL RAND COMPANY

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
47-6602897-002	M	4740152448

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

SCHEDULE H (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Financial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2017

This Form is Open to Public Inspection

For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017

A Name of plan
INGERSOLL-RAND COMPANY EMPLOYEE SAVINGS PLAN (ESP)

B Three-digit plan number (PN) ▶ 078

C Plan sponsor's name as shown on line 2a of Form 5500
INGERSOLL-RAND COMPANY

D Employer Identification Number (EIN)
13-5156640

Part I Asset and Liability Statement

1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	7210214	6827792
(2) Participant contributions	1b(2)	5317101	4462002
(3) Other	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)	44022936	47197735
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	4017109659	4740152448
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)		
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)		
(15) Other	1c(15)		

			(a) Beginning of Year	(b) End of Year
1d	Employer-related investments:			
	(1) Employer securities	1d(1)		
	(2) Employer real property	1d(2)		
e	Buildings and other property used in plan operation	1e		
f	Total assets (add all amounts in lines 1a through 1e)	1f	4073659910	4798639977
	Liabilities			
g	Benefit claims payable	1g		
h	Operating payables	1h		
i	Acquisition indebtedness	1i		
j	Other liabilities	1j		
k	Total liabilities (add all amounts in lines 1g through1j)	1k	0	0
	Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	4073659910	4798639977

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

	Income		(a) Amount	(b) Total
a	**Contributions:**			
	(1) Received or receivable in cash from: **(A)** Employers	2a(1)(A)	109967034	
	(B) Participants	2a(1)(B)	131065272	
	(C) Others (including rollovers)	2a(1)(C)	21982882	
	(2) Noncash contributions	2a(2)		
	(3) Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)**	2a(3)		263015188
b	**Earnings on investments:**			
	(1) Interest:			
	(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
	(B) U.S. Government securities	2b(1)(B)		
	(C) Corporate debt instruments	2b(1)(C)		
	(D) Loans (other than to participants)	2b(1)(D)		
	(E) Participant loans	2b(1)(E)	2106323	
	(F) Other	2b(1)(F)		
	(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		2106323
	(2) Dividends: **(A)** Preferred stock	2b(2)(A)		
	(B) Common stock	2b(2)(B)		
	(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)		
	(D) Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)**	2b(2)(D)		0
	(3) Rents	2b(3)		
	(4) Net gain (loss) on sale of assets: **(A)** Aggregate proceeds	2b(4)(A)		
	(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
	(C) Subtract line **2b(4)(B)** from line **2b(4)(A)** and enter result	2b(4)(C)		0
	(5) Unrealized appreciation (depreciation) of assets: **(A)** Real estate	2b(5)(A)		
	(B) Other	2b(5)(B)		
	(C) Total unrealized appreciation of assets. Add lines **2b(5)(A)** and **(B)**	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		770768304
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		
c Other income	2c		
d Total income. Add all **income** amounts in column (b) and enter total	2d		1035889815
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	310909748	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines **2e(1)** through **(3)**	2e(4)		310909748
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: **(1)** Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)		
(5) Total administrative expenses. Add lines **2i(1)** through **(4)**	2i(5)		0
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		310909748
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		724980067
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) [X] Unqualified **(2)** [ ] Qualified **(3)** [ ] Disclaimer **(4)** [ ] Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? [ ] Yes [X] No

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: CHERRY BEKAERT LLP **(2)** EIN: 56-0574444

d The opinion of an independent qualified public accountant is **not attached** because:

(1) [ ] This form is filed for a CCT, PSA, or MTIA. **(2)** [ ] It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

		Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)	4a		X	
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)	4b		X	

			Yes	No	Amount
c	Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	
d	Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)	4d		X	
e	Was this plan covered by a fidelity bond?	4e	X		40000000
f	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g	Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?	4g		X	
h	Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?	4h		X	
i	Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	4i	X		
j	Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)	4j		X	
k	Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l	Has the plan failed to provide any benefit when due under the plan?	4l		X	
m	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m		X	
n	If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.	4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	**5b(2)** EIN(s)	**5b(3)** PN(s)

5c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ..... ☐ Yes ☐ No ☐ Not determined
If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year_____. (See instructions.)

SCHEDULE R (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Retirement Plan Information

This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2017

This Form is Open to Public Inspection.

For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017

A Name of plan
INGERSOLL-RAND COMPANY EMPLOYEE SAVINGS PLAN (ESP)

B Three-digit plan number (PN) ▶ 078

C Plan sponsor's name as shown on line 2a of Form 5500
INGERSOLL-RAND COMPANY

D Employer Identification Number (EIN)
13-5156640

Part I Distributions

All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions **1**

2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits):

EIN(s): 04-2647786

Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.

3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year **3**

Part II Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)

4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

If the plan is a defined benefit plan, go to line 8.

5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. **Date:** Month _____ Day _____ Year _____

If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.

6 **a** Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived) **6a**

b Enter the amount contributed by the employer to the plan for this plan year **6b**

c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount) **6c**

If you completed line 6c, skip lines 8 and 9.

7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

Part III Amendments

9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box. ..... ☐ **Increase** ☐ **Decrease** ☐ **Both** ☐ **No**

Part IV ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.

10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan? ..... ☐ **Yes** ☐ **No**

11 **a** Does the ESOP hold any preferred stock? ..... ☐ **Yes** ☐ **No**

b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) ..... ☐ **Yes** ☐ **No**

12 Does the ESOP hold any stock that is not readily tradable on an established securities market? ..... ☐ **Yes** ☐ **No**

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14 Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a The current year	**14a**	
b The plan year immediately preceding the current plan year	**14b**	
c The second preceding plan year	**14c**	

15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year	**15a**	
b The corresponding number for the second preceding plan year	**15b**	

16 Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year	**16a**	
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	**16b**	

17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

19 If the total number of participants is 1,000 or more, complete lines (a) through (c)

a Enter the percentage of plan assets held as:
Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

b Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify):

Cherry Bekaert LLP
CPAs & Advisors

Independent Auditor's Report

The Participants and Administrator
Ingersoll-Rand Company Employee Savings Plan
Davidson, North Carolina

We have audited the accompanying financial statements of Ingersoll-Rand Company Employee Savings Plan (the "Plan"), which comprise the statements of net assets available for benefits as of December 31, 2017 and 2016, and the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Plan's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2017 and 2016 and the changes in net assets available for benefits for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Report on Supplemental Information

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The supplemental schedule, Schedule of Assets (Held at End of Year) as of December 31, 2017 is presented for the purpose of additional analysis and is not a required part of the financial statements but is supplemental information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. Such information is the responsibility of the Plan's management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

Cherry Bekaert LLP

Charlotte, North Carolina
June 20, 2018

Ingersoll-Rand Company Employee Savings Plan

Financial Statements and Supplemental Schedule

December 31, 2017 and 2016

Ingersoll-Rand Company Employee Savings Plan
Index
December 31, 2017 and 2016

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Note: Other schedules required by Section 2520.103-10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Securities Act of 1974 have been omitted because they are not applicable.

Cherry Bekaert LLP
CPAs & Advisors

Independent Auditor's Report

The Participants and Administrator
Ingersoll-Rand Company Employee Savings Plan
Davidson, North Carolina

We have audited the accompanying financial statements of Ingersoll-Rand Company Employee Savings Plan (the "Plan"), which comprise the statements of net assets available for benefits as of December 31, 2017 and 2016, and the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Plan's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2017 and 2016 and the changes in net assets available for benefits for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Report on Supplemental Information

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The supplemental schedule, Schedule of Assets (Held at End of Year) as of December 31, 2017 is presented for the purpose of additional analysis and is not a required part of the financial statements but is supplemental information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. Such information is the responsibility of the Plan's management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

Cherry Bekaert LLP

Charlotte, North Carolina
June 20, 2018

Ingersoll-Rand Company Employee Savings Plan
Statements of Net Assets Available for Benefits
December 31, 2017 and 2016

	2017	2016
Assets		
Investments:		
Plan's interest in Ingersoll-Rand Employee Savings Plan Master Trust (Note 4), at fair value	$ 4,740,152,448	$ 4,017,109,659
Receivables:		
Employer contributions receivable	6,827,792	7,210,214
Employee contributions receivable	4,462,002	5,317,101
Notes receivable from participants	47,197,735	44,022,936
Total Receivables	58,487,529	56,550,251
Net assets available for benefits	$ 4,798,639,977	$ 4,073,659,910

The accompanying notes are an integral part of these financial statements.

Ingersoll-Rand Company Employee Savings Plan
Statements of Changes in Net Assets Available for Benefits
For the years ended December 31, 2017 and 2016

	2017	2016
Additions to net assets attributed to:		
Plan's interest in investment income of the Ingersoll-Rand Employee Savings Plan Master Trust (Note 4)	$ 771,729,619	$ 431,093,347
Interest income on notes receivable from participants	2,106,323	1,692,633
Contributions:		
Participants	131,065,272	121,523,843
Employer	109,967,034	101,532,328
Employee rollover	21,982,882	15,064,703
Total contributions	263,015,188	238,120,874
Total additions	1,036,851,130	670,906,854
Deductions from net assets attributed to:		
Participant withdrawals and distributions	310,909,748	316,784,215
Administrative expenses	961,315	1,155,313
Total deductions	311,871,063	317,939,528
Net increase in net assets prior to transfers	724,980,067	352,967,326
Transfers from other Plans (Note 1)	—	3,482,958
Net increase	724,980,067	356,450,284
Net assets available for benefits		
Beginning of year	4,073,659,910	3,717,209,626
End of year	$ 4,798,639,977	$ 4,073,659,910

The accompanying notes are an integral part of these financial statements.

1 Description of Plan

The following brief description of the Ingersoll-Rand Company Employee Savings Plan (the "Plan") provides only general information. More complete descriptions are found in the governing Plan documents and the summary plan descriptions.

History

The Plan is sponsored by Ingersoll-Rand Company, a U.S. subsidiary of Ingersoll-Rand plc ("IR-plc") (IR-plc, Ingersoll-Rand Company and its participating affiliates are collectively referred to as the "Company"). The Company established the Plan effective January 1, 2003 and the Plan was last amended and restated effective January 1, 2015.

On December 29, 2016, the Plan was amended to provide for the merger of the Fellon-McCord & Associates, LLC Employee Savings Plan ("Fellon-McCord Plan") into the Plan. All of the equity interests in Fellon-McCord & Associates, LLC ("Fellon-McCord") were acquired by Trane U.S. Inc., a wholly owned subsidiary of the Company on March 21, 2014; however, the Fellon-McCord Plan remained open to legacy Fellon-McCord employees until the merger into the Plan. Effective January 1, 2017, all affected Fellon-McCord participants were eligible to participate in the Plan.

General

The Plan is a defined contribution plan with a 401(k) feature generally covering eligible employees of the Company, as defined in the Plan. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended ("ERISA").

Fidelity Management Trust Company ("Fidelity") is the trustee and recordkeeper of the Plan and the Plan's assets are part of the Ingersoll-Rand Employee Savings Plan Master Trust ("Master Trust").

The Ingersoll-Rand Company Benefits Administration Committee (the "Committee") administers the Plan and is responsible for carrying out the provisions thereof on behalf of the Company. The IR-plc Benefits Design Committee approves recommended design changes to the Plan. The Plan requires that the Ingersoll-Rand Stock Fund be an investment option under the Plan. The other investment options available under the Plan from time to time are selected by the IR-plc Benefits Investment Committee. The IR-plc Benefits Investment Committee monitors the investment options offered in the Plan other than those offered through the self-directed brokerage link. Participants direct investments among the Plan's investment options. The Plan intends to meet the requirements and regulations of ERISA Section 404(c).

Contributions

For those employees who are eligible to participate in the Plan, there is automatic enrollment whereby a new employee is automatically enrolled in the Plan with a 2% pre-tax contribution on eligible compensation and such 2% contribution invested in a default investment fund defined by the Plan. The current default investment is the applicable target retirement date fund corresponding to the employee's target retirement date based off his or her date of birth. The employee has 30 days to opt out of auto-enrollment or to change his or her contribution percentage and investment election. Payroll deductions, consequently, do not begin until such period has expired. Each year, participants may contribute up to 50% (in whole percentages) of their eligible compensation, as defined in the Plan and subject to applicable Internal Revenue Code ("IRC") limits. Participants may use before or after-tax dollars, or a combination of both for elective contributions. Participants who have attained age 50 before the end of the Plan year are eligible to make catch-up contributions. Participants may change their contribution amounts in accordance with the administrative procedures established by the Committee. Participants are also allowed to rollover amounts from certain other tax-qualified eligible retirement plans to the Plan.

Participants may change their contribution amounts at any time by contacting Fidelity. Participants direct the investment of their contributions into various investment options offered by the Plan. The Plan's assets are held in the Master Trust, together with assets from other participating defined contribution plans sponsored by the Company or its affiliates and intended to qualify under IRC Section 401(a).

The Company contributes via matching and non-matching contributions to the Plan. Company matching contributions are 100% of participants' contributions up to 6% of eligible compensation. All matching contributions are made in cash and invested in the

same manner as the participant contributions. Participants who were hired or rehired on or after July 1, 2012 (other than Club Car, LLC employees) and employees who chose to receive a non-matching contribution in lieu of continuing accruing service in their respective defined benefit plans receive a non-matching company contribution of 2% of eligible compensation in lieu of participating in a defined benefit plan. Non-matching company contributions are made in cash and invested in the same manner as the participant contributions. If a participant does not have an investment election on file, company contributions are invested in the Plan's default investment fund which is the target date retirement fund corresponding to the participant's anticipated retirement date based on his or her date of birth.

Participant Accounts

Each participant's account is credited with the participant's contribution and allocations of (a) the Company's contributions and (b) Plan earnings (losses) net of investment management fees. Each participant's account is charged for participant withdrawals and disbursements and applicable administrative expenses. Allocations are based on participant earnings, contributions or account balances, as defined. The benefit which a participant is entitled to receive is the benefit that can be provided from the participant's vested account.

Vesting

Participants are entitled to the benefits that can be provided from their vested accounts. Participants are vested immediately in their elective contributions plus actual earnings thereon. The Company's matching contribution portion of participants' accounts is also immediately vested. Company non-matching contributions are vested after 3 years of service or upon attainment of age 65 while employed, death or disability (as defined by the Plan) while employed.

Notes Receivable from Participants

Subject to certain restrictions, participants may take loans from their account in an amount of a minimum of $1,000 up to a maximum equal to the lesser of (a) $50,000 reduced by their highest outstanding loan balance during the preceding twelve month period or (b) 50% of their eligible account balance. The loans are secured by the balance in the participant's account and bear a fixed interest rate of prime plus 1.0% (rounded to the nearest 0.25%) at the time of the loan. At December 31, 2017, outstanding loans bore interest rates ranging from 3.25% to 10.0%. Principal and interest are paid ratably through payroll deductions. Loan terms range from 1-5 years (principal residence loans may be up to 15 years). Loan terms for participants merged into the Plan remain at their original loan terms.

Forfeited Accounts

Forfeited contributions are used to reduce future employer contributions. At December 31, 2017 and 2016, forfeited non-vested balances were $1,068,151 and $56,140, respectively. In 2017 and 2016, employer contributions were reduced by $550,948 and $786,498, respectively from forfeited non-vested accounts.

Participant Withdrawals and Distributions

On termination of employment, Plan distributions may be in the form of a lump sum or in installments in such other manner that the Plan may permit (minimum distribution amount is $500). In the case of an employee's termination because of death, the entire account balance is paid to the valid designated beneficiary under the Plan or, if none is designated, pursuant to the terms of the Plan. The participants may, under certain conditions, take in-service withdrawals from the Plan while employed, subject to limitations as to purpose and source of the funds.

2 Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared in conformity with accounting principles generally accepted in the United States of America ("GAAP").

Use of Estimates

The preparation of financial statements in conformity with GAAP requires the Committee to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosure of contingent assets and liabilities at

the dates of the financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates.

Valuation of Investments

Plan investments are part of the Master Trust, which provides unified investment management. Fidelity invests Plan assets in various trust investment options at the direction of Plan participants and as required by the Plan. Separate participant accounts are maintained by investment option. These accounts record contributions, withdrawals, transfers, earnings and changes in market value.

Investments in the Master Trust are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Benefits Investment Committee determines the Plan's valuation policies utilizing information provided by investment advisors and custodians. See Notes 3 and 4 for discussion of fair value measurements of the investments.

Realized gains or losses on security transactions are recorded on the trade date. Realized gains or losses are the difference between the proceeds received and the security's unit cost. Dividend income is recorded on the record date and interest income is recorded when earned.

Certain investment management fees and expenses charged to the Plan for the investment in the Master Trust are deducted from income earned on a daily basis and are not separately reflected. Consequently, certain investment management fees and operating expenses are reflected as a reduction of investment returns for such investments in the form of an expense ratio.

The Statements of Changes in Net Assets Available for Benefits include unrealized appreciation or depreciation in accordance with the policy of stating investments at fair value. Net appreciation or depreciation of investments reflects both realized gains and losses and the change in unrealized appreciation and depreciation of investments.

Valuation of Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Related fees are recorded as administrative expenses and are expensed when incurred. No allowance for credit losses has been recorded as of December 31, 2017 and 2016. Delinquent participant loans are reclassified as distributions based upon the terms of the Plan document.

Expenses of the Plan

Certain expenses associated with the administration of the Plan and the Master Trust are paid for by the Company and are excluded from these financial statements. General administrative fees are deducted quarterly from Plan accounts and are included in these financial statements. Expenses of the funds related to the investment and reinvestment of assets are included in the cost of the related investments. Participant directed transaction expenses such as loan fees, withdrawal fees and fees related to investments in the brokerage accounts are paid by the participant and are included in these financial statements.

Participant Withdrawals and Distributions

Distributions are recorded in the Plan's financial statements when paid. There were no approved and unpaid amounts as of December 31, 2017 and 2016.

Transfer of Assets from Other Plans

Employees may transfer their savings from other plans qualified under the IRC.

New Accounting Pronouncements

In February 2017, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") No. 2017-06, *Plan Accounting: Defined Benefit Pension Plans (Topic 960), Defined Contribution Pension Plans (Topic 962), Health and Welfare Benefit Plans (Topic 965): Employee Benefit Plan Master Trust Reporting.* This guidance requires the disclosure of the Plan's dollar amount of their interest in each general type of investment held by the master trust. In addition, the guidance requires disclosure of the master trust's other asset and liability balances and the Plan's interest in each of those other assets and liability

balances. This guidance requires retrospective application and is effective for annual reporting periods beginning on or after December 15, 2018. Early adoption is permitted; however, the Plan has elected not to early adopt the ASU. The Company does not expect the adoption of this accounting guidance to have a significant impact on the Plan's financial statements.

3 Fair Value Measurements

Fair value is defined as the exchange price that would be received to sell an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. Fair value measurements are based on a framework that utilizes the inputs market participants use to determine the fair value of an asset or liability and establishes a fair value hierarchy to prioritize those inputs. The fair value hierarchy is comprised of three levels that are described below:

Level 1 Inputs to the valuation methodology are based on quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2 Observable inputs other than Level 1. Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in markets that are not active;
- Other inputs that are observable or can be corroborated by observable market data for substantially the full term of the asset or liability

Level 3 Inputs to the valuation methodology are unobservable inputs based on little or no market activity and that are significant to the fair value of the assets and liabilities.

The fair value hierarchy requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. Observable inputs are obtained from independent sources and can be validated by a third party, whereas unobservable inputs reflect assumptions regarding what a third party would use in pricing an asset or liability based on the best information available under the circumstances. A financial instrument's categorization within the fair value hierarchy is based upon the lowest level of input that is significant to the fair value measurement.

Investment options are not common across all Plans participating in the Trust. During 2017, the Plan reclassified the stable value funds previously held in Level 2 to not subject to leveling due to a change in management's assessments and clarification of the inputs. The assets in Note 4 have been reclassified as of December 31, 2016 to conform to the current year presentation. There have been no other changes in the methodologies used as of December 31, 2017 and 2016. There have been no significant transfers between Level 1 and Level 2 categories. Following is a description of the valuation methodologies used for assets measured at fair value.

Ingersoll-Rand Stock Fund: The Ingersoll-Rand Stock Fund represents investment in IR-plc ordinary shares, along with a minor amount of short-term investments, to provide liquidity. There are no unfunded commitments, redemption frequency restrictions, or other redemption restrictions. The shares of the fund are valued at the daily net asset value ("NAV") of shares held by the Master Trust at year end. NAV per share or the equivalent is used for fair value purposes as a practical expedient. NAVs are calculated by the investment manager or sponsor of the fund. The fund primarily invests in ordinary shares of IR-plc, which is traded on the NYSE and is valued at its quoted market price at the daily close of the NYSE. A small portion of the fund is invested in short-term money market instruments.

Schlumberger (formerly Cameron) Stock Fund: The Schlumberger Stock Fund represented investment in shares of Schlumberger Limited. On April 1, 2016, Schlumberger Limited purchased all outstanding shares of Cameron International Corporation. The Schlumberger Stock Fund is a closed investment option, available only to participants in the Ingersoll-Rand Individual Account Retirement Plan for Bargaining Unit Employees at the Buffalo, New York Plant. The fund invested in shares of Schlumberger Limited, which is traded on the NYSE and is valued at its quoted market price at the daily close of the NYSE. The Schlumberger

Stock Fund was eliminated effective August 24, 2016 with all remaining participant balances in the fund liquidated and reinvested in the Plan's target date retirement fund corresponding to the participant's date of birth. Such assets are classified as Level 1.

Mutual funds: The shares of registered investment companies are valued at quoted market prices in an exchange or active market, which represent the daily NAV of shares held by the Master Trust at year end. Investments in registered investment companies generally may be redeemed daily and are classified as Level 1.

Common collective trusts - index funds: These assets represent investments in common collective trusts that hold equity or fixed income securities. These funds have no unfunded commitments, redemption frequency restrictions, or other redemption restrictions. These assets are not available in an exchange or active market; however, the fair value is determined based on the daily NAV of the underlying assets as traded in an exchange or active market. NAV per share or the equivalent is used for fair value purposes as a practical expedient. NAVs are calculated by the investment manager or sponsor of the fund.

Common collective trusts - target date retirement funds: These assets represent investments in an asset mix of equity, fixed income and short term investments using an asset allocation strategy appropriate for the fund's particular time frame. The asset mix is determined by factors such as the investor's age and target retirement year. These funds have no unfunded commitments, redemption frequency restrictions, or other redemption restrictions. These assets are not available in an exchange or active market; however, the fair value is determined based on the daily NAV of the underlying assets as traded in an exchange or active market. NAV per share or the equivalent is used for fair value purposes as a practical expedient. NAVs are calculated by the investment manager or sponsor of the fund.

Separate accounts - fixed income bond funds: These assets are privately managed investments created for a single group of plans in a single master trust maintained by the employer. The fund consists of fixed income securities similar to its benchmark index, the Barclay U.S. Aggregate Bond Index. There are no unfunded commitments, redemption frequency restrictions, or other redemption restrictions. The fair value is determined based on the daily NAV of the underlying assets as traded in an exchange or active market. NAV per share or the equivalent is used for fair value purposes as a practical expedient. NAVs are calculated by the investment manager or sponsor of the fund.

Separate accounts - stable value funds: Investments are privately managed investments created for a single group of plans in a single master trust maintained by the employer. The account primarily consists of investment contracts issued by financial institutions and other eligible stable value investments. The fair value is determined based on the daily NAV of the underlying assets as traded in an exchange or active market. NAV per share or the equivalent is used for fair value purposes as a practical expedient. NAVs are calculated by the investment manager or sponsor of the fund. There are no unfunded commitments or redemption frequency restrictions. Transfers to other investment funds could be limited under certain conditions.

Self-directed brokerage accounts: Investments in the self-directed brokerage accounts are at current value based on published market quotations from individual investments composing the brokerage accounts. Such assets are classified as Level 1.

The preceding methods may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

4 Investment in the Master Trust

The Plan's investments are held in the Master Trust which was established for the investment of assets of the Plan and several other retirement plans sponsored by the Company. The assets of the Master Trust are held by Fidelity, trustee for the Plan. Each participating retirement plan has an identifiable interest in the Master Trust and investment options for participants may vary by plan. Fidelity maintains separate accounting of all contributions, benefit payments and expenses and allocates income earned and received by the Master Trust on the basis of the adjusted value of each plan at each measurement date. As of December 31, 2017 and 2016, the Plan had a 94.9% and 94.6% participation, respectively, in the Master Trust.

Summarized Master Trust information follows at December 31:

	2017	2016
Investments, at fair value		
Mutual funds	$ 468,554,273	$ 375,178,274
Self-directed brokerage accounts	348,321,774	302,715,812
Common collective trusts	2,888,084,095	2,363,704,938
Separate accounts	333,894,504	344,515,553
Ingersoll-Rand Stock Fund	957,631,804	862,147,714
Investments, at fair value	$ 4,996,486,450	$ 4,248,262,291

The following summarizes the net realized and unrealized appreciation of investments and interest and dividend income for the Master Trust for the years ended December 31:

	2017	2016
Investment income:		
Net appreciation in fair value of investments		
Mutual funds	$ 81,455,628	$ 31,034,661
Self-directed brokerage accounts	45,949,180	15,702,537
Common collective trusts	464,993,866	127,968,265
Separate accounts	11,315,193	7,548,141
Ingersoll-Rand Stock Fund	148,040,970	216,157,182
Schlumberger (formerly Cameron) Stock Fund	—	225,066
	751,754,837	398,635,852
Interest and dividend income	30,772,014	28,451,874
Total investment income	$ 782,526,851	$ 427,087,726

The following summarizes the classification of the Master Trust investments by classification and method of valuation as of December 31, 2017:

	Level 1	Level 2	Level 3	Not subject to leveling (a)	Total
Master Trust					
Investments at fair value:					
Separate accounts:					
Stable value funds	$ —	$ —	$ —	$ 169,720,687	$ 169,720,687
Fixed income bond funds	—	—	—	164,173,817	164,173,817
Mutual funds	468,554,273	—	—	—	468,554,273
Self-directed brokerage accounts	348,321,774	—	—	—	348,321,774
Common collective trusts:					
Index funds	—	—	—	1,161,200,920	1,161,200,920
Target date retirement funds	—	—	—	1,726,883,175	1,726,883,175
Ingersoll-Rand Stock Fund	—	—	—	957,631,804	957,631,804
Total Investments, at fair value	$ 816,876,047	$ —	$ —	$ 4,179,610,403	$ 4,996,486,450

(a) In accordance with GAAP, certain investments that are measured at fair value using the NAV per share (or its equivalent) as a practical expedient have not been categorized in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented on the summarized Master Trust Investments, at fair value earlier in this Note.

The following summarizes the classification of the Master Trust investments by classification and method of valuation as of December 31, 2016:

	Level 1	Level 2	Level 3	Not subject to leveling (a)	Total
Master Trust					
Investments at fair value:					
Separate accounts:					
Stable value funds	$ —	$ —	$ —	$ 179,564,496	$ 179,564,496
Fixed income bond funds	—	—	—	164,951,057	164,951,057
Mutual funds	375,178,274	—	—	—	375,178,274
Self-directed brokerage accounts	302,715,812	—	—	—	302,715,812
Common collective trusts:					
Index funds	—	—	—	949,865,814	949,865,814
Target date retirement funds	—	—	—	1,413,839,124	1,413,839,124
Ingersoll-Rand Stock Fund	—	—	—	862,147,714	862,147,714
Total Investments, at fair value	$ 677,894,086	$ —	$ —	$ 3,570,368,205	$ 4,248,262,291

(a) In accordance with GAAP, certain investments that are measured at fair value using the NAV per share (or its equivalent) as a practical expedient have not been categorized in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented on the summarized Master Trust Investments, at fair value earlier in this Note.

5 Tax Status

The U.S. Internal Revenue Service ("IRS") has determined and informed the Company by a favorable determination letter dated April 25, 2017 that the Plan and related trust are qualified in accordance with applicable sections of the IRC to be exempt from U.S. federal income tax. Plan management, the Committee and the Plan's counsel believe that the Plan is being operated in

material compliance with the applicable requirements of the IRC and therefore no provision for U.S. federal income tax is required.

GAAP requires Plan management to evaluate tax positions taken by the Plan and recognize tax liability (or assets) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan administrator has analyzed the tax positions taken by the Plan and has concluded that as of December 31, 2017 and 2016, there are no uncertain positions taken or expected to be taken that would require recognition of a liability or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

6 Party-In-Interest Transactions

Certain Plan investments held in the Master Trust are managed by Fidelity Management Trust Company, the Plan's trustee and recordkeeper. These transactions qualify as permitted party-in-interest transactions.

Certain Master Trust investments are units of the Ingersoll-Rand Stock Fund which primarily invests in ordinary shares of IR-plc. These transactions qualify as permitted party-in-interest transactions.

7 Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to modify or discontinue its contributions at any time and to terminate the Plan subject to the provisions of the Plan, ERISA and the IRC. In the event of Plan termination, all affected participants would become 100% vested in any unvested Company contributions in accordance with applicable law.

8 Risks and Uncertainties

Through the Master Trust, the Plan provides for investment options in any combination of equity and fixed income investments in the U.S. and abroad through various investment options. Investment asset classes are exposed to various risks, such as market, interest rate, inflation, foreign currency, economic, political and credit risks. Due to the level of risk associated with the Plan's investments, it is reasonably possible that changes in risks in the near term would materially affect participants' account balances and the amounts reported in the Statements of Net Assets Available for Benefits and the Statements of Changes in Net Assets Available for Benefits.

9 Subsequent Events

The Company has evaluated subsequent events through June 20, 2018, the date of the financial statements were available to be issued.

Schedule I

Ingersoll-Rand Company Employee Savings Plan
Schedule H, Part IV, Line 4i – Schedule of Assets (Held at End of Year)
December 31, 2017

Plan Sponsor: Ingersoll-Rand Company
Employer Identification: 13-5156640
Plan Number: 078

(a)	Identity of issue, borrower, lessor, or similar party (b)	Description of investment including maturity date, rate of interest, collateral, par or maturity value (c)	Cost (d)	Current Value (e)
*	Plan's interest in Master Trust, excluding participant loans	Master Trust, 94.9% participation	**	$ 4,740,152,448
	Notes receivable from participants ***	Due 01/01/18 - 11/18/39 3.25% - 10.00%	—	47,197,735
	TOTAL ASSETS (Held at End of Year)			$ 4,787,350,183

* Includes assets which represent permitted party-in-interest transactions to the Plan.

** Cost information is not required for participant directed investments; therefore, this information is omitted.

*** The accompanying financial statements classify participant loans as notes receivable from participants.

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