

FORM 4

[] Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

UNITED STATES SECURITIES AND EXCHANGE
COMMISSION
Washington, D.C. 20549

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
LAMACH MICHAEL W	Ingersoll-Rand plc [IR]	<input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) President and CEO
(Last) (First) (Middle)	3. Date of Earliest Transaction (MM/DD/YYYY)	
C/O INGERSOLL-RAND COMPANY, 800-E BEATY STREET	9/28/2012	
(Street)	4. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line)
DAVIDSON, NC 28036		<input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
(City) (State) (Zip)		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Ordinary Shares	9/28/2012		A	161.68 (1)	123646.72 (2)	D	
Ordinary Shares (3)					2020.68	I	By Plan Trustee
Ordinary Shares (GRAT)					13650 (2)	I	By grantor retained annuity trust

Table II - Derivative Securities Beneficially Owned (e.g. , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title					Amount or Number of Shares
Phantom Stock Units	\$0	9/28/2012		A		57.99 (1)		(4)	(4)	Ordinary Shares	57.99	\$44.82	16989.62 (5)	I	By Plan Trustee

Explanation of Responses:

- (1) Reflects acquisition of dividend equivalents paid on Company stock held through Company plans. Dividend equivalents are paid at the same rate and at the same time as dividends are paid to Company shareholders.
- (2) On September 14, 2012, the grantor annuity trust distributed 6,350 shares to the reporting person. The reporting person is trustee of the trust.
- (3) Latest available information provided by the trustee of the Ingersoll-Rand Employee Savings Plan.
- (4) These Phantom Stock Units are to be settled in cash equal to the fair market value of ordinary shares multiplied by the number of phantom stock units held upon the reporting person's termination of employment with the issuer.
- (5) Amount represents an approximate number of shares based on the total market value of the reporting person's Company stock fund units,

as reported by the trustee of the Company supplemental compensation plans.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LAMACH MICHAEL W C/O INGERSOLL-RAND COMPANY 800-E BEATY STREET DAVIDSON, NC 28036	X		President and CEO	

Signatures

/s/ S. Wade Sheek - Attorney-in-Fact

10/2/2012

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.