

ROBUSCH®



ROTARY LOBE BLOWERS

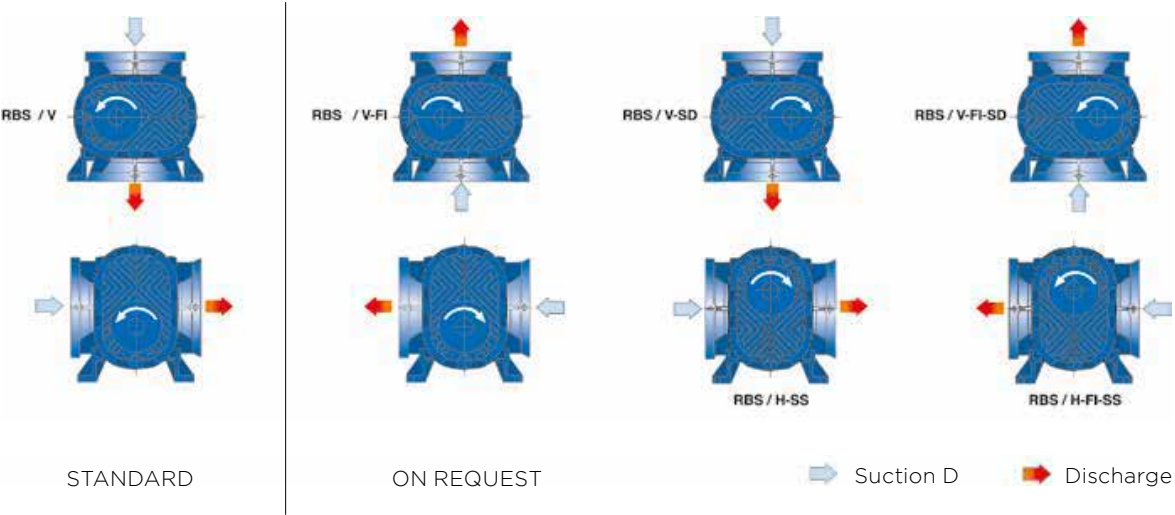
TECHNICAL DATA



Evolving
Technologies

Italiano	RBS - Versioni		
STANDARD A RICHIESTA Aspirazione D Scarico	RBS - Materiali (versione standard)	Componenti Normative Grandezze soffiatore Rotori Alberi Corpo Fianchi Ingranaggi	Ulteriori configurazioni disponibili
Deutsch	RBS - Ausführungen		
STANDARD AUF ANFRAGE Ansaugung Austritt	RBS - Materialien (Standardausführung)	Einzelteile Normen Grösse des Gebläse Rotoren Wellen Seiten Zahnräder	Weiteren Materialkonfigurationen sind verfügbar
Français	RBS - Versions		
STANDARD SUR DEMANDE Aspiration Refoulement	RBS - Matériels (version standard)	Pieces Normes Taille du surpresseur Rotors Arbres Corps Flasques Engrenages	D'autres configurations de matériaux sont disponibles
Español	RBS - Versiones		
ESTÁNDAR BAJO PEDIDO Aspiración D Descarga	RBS - Matériels (version standard)	Detalles Norma Tamaños del soplante Rotores Ejes Cuerpo Tapas Engranajes	Están disponibles otras configuraciones de materiales

RBS - Versions



RBS - Materials (basic execution)

DETAILS	STANDARDS	BLOWER SIZE	
		15-106	115-225
Rotors	UNI-EN • DIN • ASTM	UNI-EN 1563 GJS 400-15 • DIN 1696 0.7040 • A 536-84 GR 60-40-18	
Shafts	UNI-EN • DIN • ASTM	UNI-EN 1563 GJS 400-15 • DIN 1696 0.7040 • A 536-84 GR 60-40-18	UNI-EN 10083/1 C40 • DIN 17200 1.1186 • A 576-86 GR 10-40
Casing	UNI-EN • DIN • ASTM	UNI-EN 1561 G250 • DIN 1691 0.6020 • A 48 GR 30	
Covers	UNI-EN • DIN • ASTM	UNI-EN 1561 G250 • DIN 1691 0.6020 • A 48 GR 30	
Gears	UNI-EN • DIN • ASTM	UNI-EN 10084 18NiCrMo 5 • DIN 17212 1.6523 • A 534 CI 4720	

Other material configurations available

Italiano	Prestazioni
Deutsch	Kenndaten
Français	Performances
Español	Prestaciones

ITALIANO

Poles: Poli

Pressure operation: Funzionamento in pressione

Vacuum operation: Funzionamento in vuoto

Nsof: Potenza assorbita dal soffiatore

Nmot: Potenza del motore consigliato

Lp(A) sc: Livello di pressione sonora secondo ISO 3746 in campo libero a 1 m senza cabina di insonorizzazione e con tubazioni acusticamente isolate

Lp(A) cc: Livello di pressione sonora secondo ISO 3746 in campo libero a 1 m con cabina di insonorizzazione e tubazioni acusticamente isolate

Prestazioni riferite ad aria atmosferica: Pressione 1013 mbar ass - Temperatura 20°C - Umidità 50% - Massa volumica 1,2 kg/m³

Per gas differenti dall'aria atmosferica o per condizioni diverse da queste contattare il vostro rappresentante ROBUSCHI

Tolleranza sulle prestazioni: secondo specifica ROBUSCHI TE1.S.0015

Tolleranza sul livello di pressione sonora +/-2 dB(A)

DEUTSCH

Poles: Polzahl Motor

Pressure operation: Druckbetrieb

Vacuum operation: Vakuumbetrieb

Nsof: Aufgenommene Leistung des Gebläses

Nmot: Empfohlene Motorleistung

Lp(A) sc: Schalldruckpegel gemäß ISO 3746 im Freifeld in 1 m ohne Schalldämmhaube und mit akustisch isolierten Leitungen

Lp(A) cc: Schalldruckpegel gemäß ISO 3746 im Freifeld in 1 m mit Schalldämmhaube und mit akustisch isolierten Leitungen

Leistungen bezogen auf Raumluft: Druck 1013 mbar abs. - Temperatur 20°C - Feuchte 50% - Dichte 1,2 kg/m³

Für andere Medien als Raumluft oder bei abweichenden Bedingungen kontaktieren Sie bitte das Vertriebsnetz von ROBUSCHI

Leistungstoleranz: gemäß Spezifikation ROBUSCHI TE1.S.0015

Schalldruckpegeltoleranz +/-2 dB(A)

FRANÇAIS

Poles : Poles

Pressure operation : Fonctionnement en pression

Vacuum operation : Fonctionnement en vide

Nsof : Puissance absorbée par le surpresseur

Nmot : Puissance moteur préconisé

Lp(A) sc : Niveau de pression sonore selon la norme ISO 3746 sur champ libre à 1 m sans capot d'insonorisation et avec des tuyauteries à isolation acoustique

Lp(A) cc : Niveau de pression sonore selon la norme ISO 3746 sur champ libre à 1 m avec capot d'insonorisation et avec des tuyauteries à isolation acoustique

Performances relatives à l'air atmosphérique : pression 1 013 mbar abs. - Température 20°C - Humidité 50% - Masse volumique 1,2 kg/m³

Pour des gaz différents de l'air atmosphérique ou pour des conditions différentes, contacter le réseau de vente Robuschi

Tolérance par rapport aux prestations : selon la spécification Robuschi TE1.S.0015

Tolérance par rapport au niveau de pression sonore +/-2 dB(A)

ESPAÑOL

Poles: Polos

Pressure operation: Funcionamiento en presión

Vacuum operation: Funcionamiento en vacío

Nsof: Potencia absorbida por el soplante

Nmot: Potencia del motor recomendado

Lp(A) sc: Nivel de presión sonora según ISO 3746 en campo abierto a 1 m sin cabina de insonorización y con tuberías acusticamente aisladas

Lp(A) cc: Nivel de presión sonora según ISO 3746 en campo abierto a 1 m con cabina de insonorización y con tuberías acusticamente aisladas

Prestaciones referidas al aire atmosférico: presión 1013 mbar abs. - Temperatura 20°C - Humedad 50% - Masa volumétrica 1,2 kg/m³

Para gases diferentes del aire atmosférico o para condiciones diferentes de éstas, contacte la red de venta Robuschi

Tolerancia en las prestaciones: según la especificación Robuschi TE1.S.0015

Tolerancia sobre el nivel de presión sonora +/-2 dB(A)



Performances

RBS 15

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2					
	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	5000
300	Q1	m³/min	0.9	1.2	1.6	2.0	2.4	3.1	3.5	3.9	4.1	4.6
	DT	°C	46	40	36	34	32	31	30	29	29	29
	Nsof	kW	1.0	1.2	1.5	1.7	2.0	2.4	2.7	2.9	3.1	3.4
	Nmot	kW	1.5	1.5	2.2	2.2	3	3	4	4	4	4
	Lp(A) sc		73	75	77	79	80	82	84	85	85	86
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
400	Q1	m³/min	0.7	1.1	1.5	1.9	2.3	3.0	3.4	3.8	4.0	4.4
	DT	°C	71	60	52	48	45	43	41	40	40	39
	Nsof	kW	1.3	1.5	1.9	2.2	2.5	3.0	3.4	3.7	3.9	4.2
	Nmot	kW	2.2	2.2	3	3	4	4	5.5	5.5	5.5	5.5
	Lp(A) sc		74	76	78	80	81	83	84	85	86	87
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
500	Q1	m³/min	0.6	1.0	1.4	1.8	2.2	2.9	3.3	3.7	3.9	4.3
	DT	°C	103	82	70	63	59	55	53	52	51	50
	Nsof	kW	1.5	1.8	2.3	2.7	3.1	3.7	4.1	4.5	4.7	5.1
	Nmot	kW	2.2	2.2	3	4	4	5.5	5.5	5.5	5.5	7.5
	Lp(A) sc		74	76	78	80	82	84	85	86	86	87
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
600	Q1	m³/min		0.9	1.3	1.7	2.1	2.8	3.2	3.6	3.8	4.3
	DT	°C		109	90	80	74	68	66	64	63	62
	Nsof	kW		2.2	2.6	3.1	3.6	4.3	4.8	5.3	5.5	6.0
	Nmot	kW		3	4	4	5.5	5.5	5.5	7.5	7.5	7.5
	Lp(A) sc			77	79	81	82	84	85	86	87	88
	Lp(A) cc			<70	<70	<70	<70	<70	<70	<70	<70	<70
700	Q1	m³/min				1.6	2.1	2.7	3.1	3.5	3.7	4.2
	DT	°C				98	90	82	79	76	75	73
	Nsof	kW				3.6	4.1	5.0	5.5	6.1	6.3	6.9
	Nmot	kW				5.5	5.5	7.5	7.5	7.5	7.5	11
	Lp(A) sc					81	83	85	86	87	87	88
	Lp(A) cc					<70	<70	<70	<70	<70	<70	<70
800	Q1	m³/min					2.0	2.6	3.0	3.5	3.7	4.1
	DT	°C					106	97	92	89	88	86
	Nsof	kW					4.7	5.6	6.2	6.8	7.1	7.8
	Nmot	kW					5.5	7.5	7.5	11	11	11
	Lp(A) sc						83	85	86	87	88	89
	Lp(A) cc						<70	<70	<70	<70	<70	<70
900	Q1	m³/min							3.0	3.4	3.6	4.0
	DT	°C							106	102	101	98
	Nsof	kW							6.9	7.6	8.0	8.7
	Nmot	kW							11	11	11	11
	Lp(A) sc								87	88	88	89
	Lp(A) cc								<70	<70	<70	<70
1000	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 15

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2					
	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	5000
200	Q1	m³/min	0.9	1.2	1.6	2.0	2.4	3.1	3.5	3.9	4.1	4.6
	DT	°C	36	32	29	27	26	25	24	24	24	24
	Nsof	kW	0.7	0.9	1.1	1.3	1.5	1.8	2.0	2.2	2.3	2.5
	Nmot	kW	1	1.5	1.5	2.2	2.2	2.2	3	3	3	3
	Lp(A) sc		73	75	77	79	80	82	83	84	85	86
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
250	Q1	m³/min	0.8	1.1	1.6	2.0	2.4	3.0	3.5	3.9	4.1	4.5
	DT	°C	54	46	41	38	36	34	34	33	33	32
	Nsof	kW	0.9	1.0	1.3	1.5	1.7	2.1	2.3	2.6	2.7	2.9
	Nmot	kW	1.5	1.5	2.2	2.2	2.2	3	3	4	4	4
	Lp(A) sc		73	75	77	79	81	83	84	85	85	86
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
300	Q1	m³/min	0.7	1.0	1.5	1.9	2.3	2.9	3.4	3.8	4.0	4.4
	DT	°C	79	65	57	52	49	46	44	43	43	42
	Nsof	kW	1.0	1.2	1.5	1.7	2.0	2.4	2.7	2.9	3.1	3.4
	Nmot	kW	1.5	1.5	2.2	2.2	3	3	4	4	4	4
	Lp(A) sc		74	76	78	80	81	83	84	85	86	87
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
350	Q1	m³/min		0.9	1.3	1.8	2.2	2.8	3.3	3.7	3.9	4.3
	DT	°C		91	76	69	64	60	58	56	55	54
	Nsof	kW		1.4	1.7	2.0	2.3	2.7	3.0	3.3	3.5	3.8
	Nmot	kW		2.2	2.2	3	3	4	4	4	5.5	5.5
	Lp(A) sc			76	78	80	82	84	85	86	86	87
	Lp(A) cc			<70	<70	<70	<70	<70	<70	<70	<70	<70
400	Q1	m³/min		1.2	1.7	2.1	2.7	3.1	3.6	3.8	4.1	4.2
	DT	°C		103	91	83	77	74	71	70	69	69
	Nsof	kW		1.9	2.2	2.5	3.0	3.4	3.7	3.9	4.2	4.2
	Nmot	kW		3	3	4	4	5.5	5.5	5.5	5.5	5.5
	Lp(A) sc			79	81	82	84	86	87	87	87	88
	Lp(A) cc			<70	<70	<70	<70	<70	<70	<70	<70	<70
450	Q1	m³/min				2.0	2.6	3.0	3.5	3.7	4.1	4.1
	DT	°C				108	98	94	90	89	89	87
	Nsof	kW				2.8	3.4	3.7	4.1	4.3	4.3	4.7
	Nmot	kW				4	4	5.5	5.5	5.5	5.5	5.5
	Lp(A) sc					83	85	86	87	87	88	89
	Lp(A) cc					<70	<70	<70	<70	<70	<70	<70
500	Q1	m³/min										4.0
	DT	°C										109
	Nsof	kW										5.1
	Nmot	kW										7.5
	Lp(A) sc											89
	Lp(A) cc											<70
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 25

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2					
	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	5000
300	Q1	m³/min	1.1	1.5	2.0	2.6	3.1	3.9	4.5	5.0	5.3	5.8
	DT	°C	46	40	36	34	32	31	30	29	29	29
	Nsof	kW	1.4	1.7	2.0	2.4	2.8	3.3	3.7	4.1	4.3	4.6
	Nmot	kW	2.2	2.2	3	3	4	4	5.5	5.5	5.5	5.5
	Lp(A) sc		76	78	80	82	83	85	87	88	88	89
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
400	Q1	m³/min	0.9	1.4	1.9	2.4	3.0	3.8	4.3	4.9	5.1	5.7
	DT	°C	71	59	52	48	45	42	41	40	40	39
	Nsof	kW	1.7	2.1	2.5	3.0	3.5	4.1	4.6	5.1	5.3	5.8
	Nmot	kW	2.2	3	3	4	5.5	5.5	5.5	7.5	7.5	7.5
	Lp(A) sc		77	79	81	83	84	86	87	88	89	90
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
500	Q1	m³/min	0.6	1.0	1.4	1.8	2.2	2.9	3.3	3.7	3.9	4.3
	DT	°C		1.2	1.8	2.3	2.8	3.7	4.2	4.7	5.0	5.5
	Nsof	kW		82	70	63	59	55	53	52	51	50
	Nmot	kW		2.5	3.0	3.6	4.1	5.0	5.5	6.1	6.3	6.9
	Lp(A) sc			79	81	83	85	87	88	89	89	90
	Lp(A) cc			<70	<70	<70	<70	<70	<70	<70	<70	<70
600	Q1	m³/min		1.6	2.2	2.7	3.5	4.1	4.6	4.9	5.4	
	DT	°C		89	80	74	68	66	64	63	62	
	Nsof	kW		3.5	4.2	4.8	5.8	6.4	7.0	7.4	8.0	
	Nmot	kW		5.5	5.5	5.5	7.5	7.5	11	11	11	
	Lp(A) sc			82	84	85	87	88	89	90	91	
	Lp(A) cc			<70	<70	<70	<70	<70	<70	<70	<70	
700	Q1	m³/min				2.6	3.4	4.0	4.5	4.8	5.3	
	DT	°C				89	82	79	76	75	73	
	Nsof	kW				5.5	6.6	7.3	8.0	8.4	9.1	
	Nmot	kW				7.5	7.5	11	11	11	11	
	Lp(A) sc					86	88	89	90	90	91	
	Lp(A) cc					<70	<70	<70	<70	<70	<70	
800	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
900	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
1000	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 25

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2					
	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	5000
200	Q1	m³/min	1.2	1.6	2.1	2.7	3.2	4.0	4.5	5.1	5.4	5.9
	DT	°C	36	32	29	27	26	25	24	24	24	24
	Nsof	kW	1.1	1.3	1.5	1.8	2.1	2.5	2.8	3.1	3.2	3.5
	Nmot	kW	1.5	1.5	2.2	2.2	3	3	4	4	4	5.5
	Lp(A) sc		76	78	80	82	83	85	86	87	88	89
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
250	Q1	m³/min	1.0	1.4	2.0	2.5	3.1	3.9	4.4	5.0	5.2	5.8
	DT	°C	53	46	41	38	36	34	34	33	33	32
	Nsof	kW	1.2	1.5	1.8	2.1	2.4	2.9	3.3	3.6	3.7	4.1
	Nmot	kW	1.5	2.2	2.2	3	3	4	4	5.5	5.5	5.5
	Lp(A) sc		76	78	80	82	84	86	87	88	88	89
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
300	Q1	m³/min	0.9	1.3	1.9	2.4	2.9	3.7	4.3	4.8	5.1	5.6
	DT	°C	78	65	56	52	49	46	44	43	43	42
	Nsof	kW	1.4	1.7	2.0	2.4	2.8	3.3	3.7	4.1	4.3	4.6
	Nmot	kW	2.2	2.2	3	3	4	4	5.5	5.5	5.5	5.5
	Lp(A) sc		77	79	81	83	84	86	87	88	89	90
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
350	Q1	m³/min		1.7	2.3	2.8	3.6	4.2	4.7	5.0	5.5	
	DT	°C		76	69	64	59	57	56	55	54	
	Nsof	kW		2.3	2.7	3.1	3.7	4.2	4.6	4.8	5.2	
	Nmot	kW		3	4	4	5.5	5.5	5.5	5.5	7.5	
	Lp(A) sc			81	83	85	87	88	89	89	90	
	Lp(A) cc			<70	<70	<70	<70	<70	<70	<70	<70	
400	Q1	m³/min				2.7	3.5	4.0	4.6	4.8	5.4	
	DT	°C				83	76	74	71	70	69	
	Nsof	kW				3.5	4.1	4.6	5.1	5.3	5.8	
	Nmot	kW				5.5	5.5	5.5	7.5	7.5	7.5	
	Lp(A) sc					85	87	89	90	90	91	
	Lp(A) cc					<70	<70	<70	<70	<70	<70	
450	Q1	m³/min									4.7	5.2
	DT	°C									89	87
	Nsof	kW									5.8	6.3
	Nmot	kW									7.5	7.5
	Lp(A) sc										91	92
	Lp(A) cc										<70	<70
500	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 35

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4			2						
		rpm	1500	1800	2200	2600	3000	3600	4000	4400	4600	5000
300	Q1		1.9	2.5	3.3	4.1	4.9	6.1	6.9	7.7	8.1	8.9
	DT	°C	39	36	33	31	30	29	29	28	28	28
	Nsof	kW	1.6	1.9	2.4	2.9	3.4	4.3	5.0	5.7	6.1	6.9
	Nmot	kW	2.2	3	3	4	5.5	5.5	7.5	7.5	7.5	11
	Lp(A) sc		<70	70	74	76	79	82	84	85	86	87
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
400	Q1	m³/min	1.7	2.3	3.1	3.9	4.7	5.9	6.7	7.5	7.9	8.7
	DT	°C	57	51	46	44	42	40	39	39	38	38
	Nsof	kW	2.1	2.5	3.1	3.7	4.4	5.5	6.3	7.1	7.6	8.5
	Nmot	kW	3	3	4	5.5	5.5	7.5	7.5	11	11	11
	Lp(A) sc		<70	72	75	78	80	83	85	87	88	89
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
500	Q1	m³/min	1.6	2.2	3.0	3.8	4.6	5.8	6.6	7.4	7.8	8.6
	DT	°C	78	68	61	57	54	51	50	49	49	48
	Nsof	kW	2.6	3.1	3.8	4.6	5.4	6.7	7.6	8.6	9.1	10.2
	Nmot	kW	4	4	5.5	5.5	7.5	7.5	11	11	11	15
	Lp(A) sc		70	73	76	79	82	85	87	88	89	90
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
600	Q1	m³/min	1.4	2.0	2.8	3.6	4.4	5.6	6.4	7.2	7.6	8.4
	DT	°C	103	87	77	71	67	63	62	60	60	59
	Nsof	kW	3.1	3.7	4.6	5.5	6.4	7.9	9.0	10.1	10.7	11.9
	Nmot	kW	4	5.5	5.5	7.5	7.5	11	11	15	15	15
	Lp(A) sc		71	74	78	81	83	86	88	90	90	92
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
700	Q1	m³/min		1.9	2.7	3.5	4.3	5.5	6.3	7.1	7.5	8.3
	DT	°C		108	93	85	80	75	73	71	71	69
	Nsof	kW		4.3	5.3	6.3	7.4	9.1	10.3	11.5	12.2	13.5
	Nmot	kW		5.5	7.5	7.5	11	11	15	15	15	18.5
	Lp(A) sc			76	79	82	84	87	89	91	92	93
	Lp(A) cc			<70	<70	<70	<70	<70	<70	<70	<70	71
800	Q1	m³/min			2.6	3.4	4.2	5.4	6.2	7.0	7.4	8.2
	DT	°C			111	101	94	88	85	83	82	81
	Nsof	kW			6.0	7.2	8.4	10.3	11.6	13.0	13.7	15.2
	Nmot	kW			7.5	11	11	15	15	15	18.5	18.5
	Lp(A) sc				80	83	85	89	90	92	93	94
	Lp(A) cc				<70	<70	<70	<70	<70	<70	71	72
900	Q1	m³/min				3.3	4.1	5.0	6.1	6.9	7.3	8.1
	DT	°C				117	109	101	98	95	94	92
	Nsof	kW				8.1	9.4	11.5	13.0	14.5	15.3	16.9
	Nmot	kW				11	11	15	15	18.5	18.5	22
	Lp(A) sc					84	87	90	91	93	94	95
	Lp(A) cc					<70	<70	<70	<70	71	72	73
1000	Q1	m³/min					4.0	5.2	6.0	6.8	7.2	8.0
	DT	°C					124	114	110	107	106	103
	Nsof	kW					10.4	12.7	14.3	15.9	16.8	18.5
	Nmot	kW					15	15	18.5	18.5	22	22
	Lp(A) sc						88	91	93	94	95	96
	Lp(A) cc						<70	<70	71	72	73	74



Performances

RBS 35

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2						
			1500	1800	2200	2600	3000	3600	4000	4400	4600	5000	
200	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	5000	
	Q1	m³/min	2.0	2.6	3.4	4.2	5.0	6.2	7.0	7.8	8.2	9.0	
	DT	°C	31	29	27	25	25	24	24	23	23	23	
	Nsof	kW	1.1	1.3	1.6	2.0	2.4	3.1	3.6	4.2	4.5	5.2	
	Nmot	kW	1.5	2.2	2.2	3	3	4	5.5	5.5	5.5	7.5	
	Lp(A) sc		<70	<70	73	76	78	81	83	84	85	87	
250	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70	
	Q1	m³/min	1.8	2.1	3.2	4.0	4.8	6.0	6.8	7.6	8.0	8.8	
	DT	°C	45	40	37	35	34	33	32	32	31	31	
	Nsof	kW	1.3	1.6	2.0	2.4	2.9	3.7	4.3	4.9	5.3	6.0	
	Nmot	kW	2.2	2.2	3	3	4	5.5	5.5	7.5	7.5	7.5	
	Lp(A) sc		<70	71	74	77	79	82	84	86	86	88	
300	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70	
	Q1	m³/min	1.7	2.3	3.1	3.9	4.7	5.9	6.7	7.5	7.9	8.7	
	DT	°C	62	55	50	47	45	43	42	41	41	41	
	Nsof	kW	1.6	1.9	2.4	2.9	3.4	4.3	5.0	5.7	6.1	6.9	
	Nmot	kW	2.2	3	3	4	5.5	5.5	7.5	7.5	7.5	11	
	Lp(A) sc		<70	72	75	78	81	84	86	87	88	89	
350	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70	
	Q1	m³/min	1.5	2.1	2.9	3.7	4.5	5.7	6.5	7.3	7.7	8.5	
	DT	°C	86	74	66	62	58	55	54	53	53	52	
	Nsof	kW	1.8	2.2	2.7	3.3	3.9	4.9	5.6	6.4	6.8	7.7	
	Nmot	kW	2.2	3	4	4	5.5	5.5	7.5	7.5	11	11	
	Lp(A) sc		70	74	77	80	82	85	87	89	89	91	
400	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	<70	
	Q1	m³/min	1.4	2.0	2.8	3.6	4.4	5.6	6.4	7.2	7.6	8.4	
	DT	°C	119	100	87	80	75	71	69	67	66	65	
	Nsof	kW	2.1	2.5	3.1	3.7	4.4	5.5	6.3	7.1	7.6	8.5	
	Nmot	kW	3	3	4	5.5	5.5	7.5	7.5	11	11	11	
	Lp(A) sc		72	75	79	81	84	87	89	90	91	92	
450	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	70	
	Q1	m³/min			2.6	3.4	4.2	5.4	6.2	7.0	7.4	8.2	
	DT	°C			113	102	96	89	86	84	83	82	
	Nsof	kW			3.5	4.2	4.9	6.1	7.0	7.9	8.4	9.4	
	Nmot	kW			5.5	5.5	5.5	7.5	11	11	11	11	
	Lp(A) sc				80	83	86	89	90	92	93	94	
500	Lp(A) cc				<70	<70	<70	<70	<70	70	71	72	
	Q1	m³/min					4.0	5.2	6.0	6.8	7.2	8.0	
	DT	°C					122	113	109	105	104	102	
	Nsof	kW					5.4	6.7	7.6	8.6	9.1	10.2	
	Nmot	kW					7.5	7.5	11	11	11	15	
	Lp(A) sc						88	91	92	94	95	96	
550	Lp(A) cc						<70	<70	70	72	73	74	
	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												



Performances

RBS 45

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2					
	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	5000
300	Q1	m³/min	2.9	3.7	4.8	5.9	7.1	8.7	9.9	11.0	11.5	12.7
	DT	°C	37	34	32	30	30	29	28	28	28	27
	Nsof	kW	2.6	3.2	3.9	4.6	5.3	6.3	7.0	7.7	8.1	8.8
	Nmot	kW	4	4	5.5	5.5	7.5	7.5	11	11	11	11
	Lp(A) sc		74	77	81	84	86	89	91	92	93	95
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	70	71	73
400	Q1	m³/min	2.6	3.5	4.6	5.7	6.8	8.5	9.6	10.8	11.3	12.4
	DT	°C	53	48	44	42	41	39	38	38	38	37
	Nsof	kW	3.3	4.0	4.9	5.8	6.7	8.0	8.9	9.8	10.2	11.1
	Nmot	kW	4	5.5	5.5	7.5	7.5	11	11	11	15	15
	Lp(A) sc		76	79	82	85	88	91	92	94	95	96
	Lp(A) cc		<70	<70	<70	<70	<70	<70	70	72	73	74
500	Q1	m³/min	2.5	3.3	4.4	5.5	6.7	8.3	9.5	10.6	11.1	12.3
	DT	°C	71	63	58	54	52	50	49	48	48	47
	Nsof	kW	4.0	4.8	5.9	7.0	8.1	9.7	10.7	11.8	12.3	13.4
	Nmot	kW	5.5	5.5	7.5	11	11	11	15	15	15	15
	Lp(A) sc		77	80	84	87	89	92	94	96	96	98
	Lp(A) cc		<70	<70	<70	<70	<70	70	72	74	74	76
600	Q1	m³/min	2.3	3.1	4.3	5.4	6.5	8.2	9.3	10.4	11.0	12.1
	DT	°C	91	80	72	67	64	61	60	59	58	57
	Nsof	kW	4.7	5.7	6.9	8.2	9.5	11.3	12.6	13.9	14.5	15.8
	Nmot	kW	5.5	7.5	11	11	11	15	15	18.5	18.5	18.5
	Lp(A) sc		79	82	85	88	90	94	95	97	98	99
	Lp(A) cc		<70	<70	<70	<70	<70	72	73	75	76	77
700	Q1	m³/min		3.0	4.1	5.2	6.3	8.0	9.1	10.3	10.8	11.9
	DT	°C		98	87	81	77	73	71	69	69	68
	Nsof	kW		6.5	8.0	9.4	10.9	13.0	14.5	15.9	16.6	18.1
	Nmot	kW		7.5	11	11	15	15	18.5	18.5	22	22
	Lp(A) sc			83	87	89	92	95	97	98	99	100
	Lp(A) cc			<70	<70	<70	<70	73	75	76	77	78
800	Q1	m³/min			4.0	5.1	6.2	7.9	9.0	10.1	10.7	11.8
	DT	°C			103	95	90	85	82	80	80	78
	Nsof	kW			9.0	10.6	12.3	14.7	16.3	18.0	18.8	20.4
	Nmot	kW			11	15	15	18.5	18.5	22	22	30
	Lp(A) sc				88	91	93	96	98	99	100	102
	Lp(A) cc				<70	<70	71	74	76	77	78	80
900	Q1	m³/min				4.9	6.1	7.7	8.9	10.0	10.5	11.7
	DT	°C				110	103	97	94	92	91	89
	Nsof	kW				11.8	13.7	16.4	18.2	20.0	20.9	22.8
	Nmot	kW				15	18.5	18.5	22	30	30	30
	Lp(A) sc					92	94	97	99	101	101	103
	Lp(A) cc					<70	72	75	77	79	79	81
1000	Q1	m³/min						7.6	8.7	9.9	10.4	11.5
	DT	°C						109	106	103	102	100
	Nsof	kW						18.1	20.1	22.1	23.1	25.1
	Nmot	kW						22	30	30	30	30
	Lp(A) sc							98	100	102	102	104
	Lp(A) cc							76	78	80	80	82



Performances

RBS 45

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2					
	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	5000
200	Q1	m³/min	3.0	3.8	4.9	6.1	7.2	8.9	10.0	11.1	11.7	12.8
	DT	°C	29	27	26	25	24	23	23	23	23	23
	Nsof	kW	1.9	2.3	2.8	3.3	3.9	4.6	5.1	5.6	5.9	6.4
	Nmot	kW	3	3	4	4	5.5	5.5	7.5	7.5	7.5	7.5
	Lp(A) sc		73	76	80	83	85	88	90	92	92	94
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	70	72
250	Q1	m³/min	2.8	3.6	4.7	5.9	7.0	8.7	9.8	10.9	11.5	12.6
	DT	°C	41	38	36	34	33	32	31	31	31	31
	Nsof	kW	2.3	2.7	3.3	3.9	4.6	5.5	6.1	6.7	7.0	7.6
	Nmot	kW	3	4	4	5.5	5.5	7.5	7.5	7.5	11	11
	Lp(A) sc		75	78	81	84	87	90	91	93	94	95
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	71	72	73
300	Q1	m³/min	2.6	3.4	4.6	5.7	6.8	8.5	9.6	10.7	11.3	12.4
	DT	°C	57	52	48	45	44	42	41	41	40	40
	Nsof	kW	2.6	3.2	3.9	4.6	5.3	6.3	7.0	7.7	8.1	8.8
	Nmot	kW	4	4	5.5	5.5	7.5	7.5	11	11	11	11
	Lp(A) sc		76	79	83	86	88	91	93	94	95	97
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	72	73	75
350	Q1	m³/min	2.4	3.2	4.4	5.5	6.6	8.3	9.4	10.5	11.1	12.2
	DT	°C	77	69	62	59	56	54	53	52	51	51
	Nsof	kW	3.0	3.6	4.4	5.2	6.0	7.1	7.9	8.7	9.1	9.9
	Nmot	kW	4	5.5	5.5	7.5	7.5	11	11	11	11	15
	Lp(A) sc		78	81	84	87	90	93	94	96	97	98
	Lp(A) cc		<70	<70	<70	<70	<70	71	72	74	75	76
400	Q1	m³/min	2.2	3.0	4.2	5.3	6.4	8.1	9.2	10.3	10.9	12.0
	DT	°C	104	91	81	75	72	68	67	65	65	64
	Nsof	kW	3.3	4.0	4.9	5.8	6.7	8.0	8.9	9.8	10.2	11.1
	Nmot	kW	4	5.5	5.5	7.5	7.5	11	11	11	15	15
	Lp(A) sc		80	83	86	89	91	94	96	98	98	100
	Lp(A) cc		<70	<70	<70	<70	<70	72	74	76	76	78
450	Q1	m³/min			3.9	5.1	6.2	7.9	9.0	10.1	10.7	11.8
	DT	°C			104	96	91	86	83	82	81	79
	Nsof	kW			5.4	6.4	7.4	8.8	9.8	10.8	11.3	12.3
	Nmot	kW			7.5	7.5	11	11	11	15	15	15
	Lp(A) sc				88	91	93	96	98	100	100	102
	Lp(A) cc				<70	<70	71	74	76	78	78	80
500	Q1	m³/min						7.6	8.8	9.9	10.4	11.6
	DT	°C						108	104	102	101	99
	Nsof	kW						9.7	10.7	11.8	12.3	13.4
	Nmot	kW						11	15	15	15	15
	Lp(A) sc							98	100	102	102	104
	Lp(A) cc							76	78	80	80	82
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 46

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4			2						
	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	5000
300	Q1	m³/min	4.6	5.8	7.5	9.1	10.8	13.2	14.9	16.6	17.4	19.0
	DT	°C	34	32	30	29	29	28	27	27	27	27
	Nsof	kW	3.5	4.3	5.5	6.7	7.9	9.9	11.3	12.8	13.5	15.1
	Nmot	kW	5.5	5.5	7.5	7.5	11	15	15	15	18.5	18.5
	Lp(A) sc		77	80	84	86	89	92	94	95	96	97
	Lp(A) cc		<70	<70	<70	<70	<70	<70	72	73	74	75
400	Q1	m³/min	4.3	5.6	7.2	8.9	10.5	13.0	14.7	16.3	17.1	18.8
	DT	°C	47	44	42	40	39	38	37	37	37	36
	Nsof	kW	4.6	5.6	7.0	8.4	10.0	12.4	14.1	15.8	16.7	18.5
	Nmot	kW	5.5	7.5	11	11	15	15	18.5	18.5	22	22
	Lp(A) sc		79	82	85	88	90	93	95	97	98	99
	Lp(A) cc		<70	<70	<70	<70	<70	71	73	75	76	77
500	Q1	m³/min	4.1	5.3	7.0	6.6	10.3	12.8	14.4	16.1	16.9	18.6
	DT	°C	62	57	54	51	50	48	47	47	46	46
	Nsof	kW	5.6	6.8	8.5	10.2	12.0	14.9	16.8	18.8	19.9	22.0
	Nmot	kW	7.5	11	11	15	15	18.5	22	22	30	30
	Lp(A) sc		80	83	86	89	92	95	97	98	99	100
	Lp(A) cc		<70	<70	<70	<70	<70	73	75	76	77	78
600	Q1	m³/min	3.9	5.1	6.8	8.4	10.1	12.6	14.2	15.9	16.7	18.4
	DT	°C	79	72	66	63	61	59	58	57	56	56
	Nsof	kW	6.6	8.0	10.0	12.0	14.1	17.3	19.6	21.9	23.0	25.4
	Nmot	kW	7.5	11	15	15	18.5	22	22	30	30	30
	Lp(A) sc		81	84	88	91	93	96	98	100	100	102
	Lp(A) cc		<70	<70	<70	<70	71	74	76	78	78	80
700	Q1	m³/min		5.0	6.6	8.3	9.9	12.4	14.0	15.7	16.5	18.2
	DT	°C		87	79	75	72	69	68	67	66	66
	Nsof	kW		9.3	11.5	13.8	16.2	19.8	22.3	24.9	26.2	28.8
	Nmot	kW		11	15	18.5	18.5	30	30	30	30	37
	Lp(A) sc			86	89	92	94	97	99	101	102	103
	Lp(A) cc			<70	<70	<70	72	75	77	79	80	81
800	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
900	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
1000	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 46

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4			2						
	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	5000
200	Q1	m³/min	4.7	6.0	7.6	9.3	10.9	13.4	15.0	16.7	17.5	19.2
	DT	°C	27	26	25	24	23	23	23	22	22	22
	Nsof	kW	2.5	3.1	3.9	4.9	5.8	7.4	8.5	9.7	10.4	11.6
	Nmot	kW	3	4	5.5	5.5	7.5	11	11	11	15	15
	Lp(A) sc		76	79	83	86	88	91	93	94	95	97
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	72	73	75
250	Q1	m³/min	4.5	5.7	7.4	9.0	10.7	13.2	14.8	16.5	17.3	18.9
	DT	°C	38	36	34	33	32	31	31	30	30	30
	Nsof	kW	3.0	3.7	4.7	5.8	6.9	8.7	9.9	11.3	11.9	13.4
	Nmot	kW	4	5.5	5.5	7.5	11	11	15	15	15	15
	Lp(A) sc		78	81	84	87	89	92	94	96	96	98
	Lp(A) cc		<70	<70	<70	<70	<70	70	72	74	74	76
300	Q1	m³/min	4.3	5.5	7.2	8.8	10.5	12.9	14.6	16.2	17.1	18.7
	DT	°C	51	48	45	43	42	40	40	39	39	39
	Nsof	kW	3.5	4.3	5.5	6.7	7.9	9.9	11.3	12.8	13.5	15.1
	Nmot	kW	5.5	5.5	7.5	7.5	11	15	15	15	18.5	18.5
	Lp(A) sc		79	82	85	88	91	94	96	97	98	99
	Lp(A) cc		<70	<70	<70	<70	<70	72	74	75	76	77
350	Q1	m³/min	4.0	5.3	6.9	8.6	10.2	12.7	14.4	16.0	16.8	18.5
	DT	°C	68	62	58	55	54	52	51	50	50	49
	Nsof	kW	4.0	5.0	6.2	7.5	8.9	11.1	12.7	14.3	15.1	16.8
	Nmot	kW	5.5	7.5	7.5	11	11	15	15	18.5	18.5	22
	Lp(A) sc		80	84	87	90	92	95	97	99	99	101
	Lp(A) cc		<70	<70	<70	<70	70	73	75	77	77	79
400	Q1	m³/min	3.8	5.0	6.7	8.3	10.0	12.5	14.1	15.8	16.6	18.2
	DT	°C	89	81	74	70	68	65	64	63	63	62
	Nsof	kW	4.6	5.6	7.0	8.4	10.0	12.4	14.1	15.8	16.7	18.5
	Nmot	kW	5.5	7.5	11	11	15	15	18.5	18.5	22	22
	Lp(A) sc		82	85	89	91	94	97	99	100	101	102
	Lp(A) cc		<70	<70	<70	<70	72	75	77	78	79	80
450	Q1	m³/min				8.1	9.7	12.2	13.2	15.5	16.3	18.0
	DT	°C				89	85	81	80	78	78	77
	Nsof	kW				9.3	11.0	13.6	15.4	17.3	18.3	20.2
	Nmot	kW				11	15	18.5	18.5	22	22	30
	Lp(A) sc					93	96	99	100	102	103	104
	Lp(A) cc					71	74	77	78	80	81	82
500	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 55

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2					
			1500	1800	2200	2600	3000	3600	4000	4400	4600	4800
300	rpm		4.7	5.9	7.5	9.2	10.8	13.2	14.9	16.5	17.3	18.1
	Q1	m³/min										
	DT	°C	32	31	30	29	28	27	27	27	27	27
	Nsof	kW	3.2	3.9	4.9	6.0	7.2	9.2	10.7	12.4	13.3	14.2
	Nmot	kW	4	5.5	5.5	7.5	11	11	15	15	15	18.5
	Lp(A) sc		72	75	79	83	85	89	91	93	94	95
400	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	71	72	73
	Q1	m³/min	4.5	5.7	7.3	8.9	10.8	13.0	14.7	16.3	17.1	17.9
	DT	°C	45	43	41	39	38	37	37	36	36	36
	Nsof	kW	4.2	5.1	6.4	7.8	9.2	11.7	13.4	15.4	16.4	17.5
	Nmot	kW	5.5	7.5	7.5	11	11	15	15	18.5	18.5	22
	Lp(A) sc		73	77	81	84	87	91	93	94	95	96
500	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	72	73	74
	Q1	m³/min	4.3	5.5	7.1	8.8	10.4	12.8	14.5	16.1	16.9	17.7
	DT	°C	59	55	52	50	49	47	47	46	46	46
	Nsof	kW	5.2	6.4	7.9	9.5	11.3	14.1	16.2	18.4	19.5	20.7
	Nmot	kW	7.5	7.5	11	11	15	18.5	18.5	22	22	30
	Lp(A) sc		75	78	82	86	88	92	94	96	97	98
600	Lp(A) cc		<70	<70	<70	<70	<70	<70	72	74	75	76
	Q1	m³/min	4.1	5.3	6.9	8.6	10.2	12.7	14.3	15.9	16.7	17.5
	DT	°C	74	69	64	61	59	58	57	56	56	55
	Nsof	kW	6.3	7.6	9.4	11.3	13.3	16.6	18.9	21.4	22.7	24.0
	Nmot	kW	7.5	11	11	15	15	18.5	22	30	30	30
	Lp(A) sc		76	80	84	87	90	93	95	97	98	99
700	Lp(A) cc		<70	<70	<70	<70	<70	71	73	75	76	77
	Q1	m³/min	3.9	5.1	6.8	8.4	10.0	12.5	14.1	15.8	16.6	17.4
	DT	°C	90	83	77	73	71	68	67	66	66	65
	Nsof	kW	7.3	8.8	10.9	13.1	15.4	19.0	21.6	24.4	25.8	27.3
	Nmot	kW	11	11	15	15	18.5	22	30	30	30	37
	Lp(A) sc		77	81	85	88	91	95	97	98	99	100
800	Lp(A) cc		<70	<70	<70	<70	<70	73	75	76	77	78
	Q1	m³/min	3.8	5.0	6.6	8.3	9.9	12.3	14.0	15.6	16.4	17.2
	DT	°C	107	97	90	85	82	79	77	76	76	75
	Nsof	kW	8.3	10.0	12.4	14.8	17.4	21.5	24.3	27.3	28.9	30.5
	Nmot	kW	11	15	15	18.5	22	30	30	37	37	37
	Lp(A) sc		79	82	86	89	92	96	98	100	101	101
900	Lp(A) cc		<70	<70	<70	<70	70	74	76	78	79	79
	Q1	m³/min	3.6	4.9	6.5	8.1	9.7	12.2	13.8	15.5	16.3	17.1
	DT	°C	125	113	103	97	93	90	88	86	86	85
	Nsof	kW	9.3	11.2	13.9	16.6	19.4	23.9	27.0	30.3	32.0	33.8
	Nmot	kW	11	15	18.5	18.5	22	30	37	37	37	45
	Lp(A) sc		80	83	87	90	93	97	99	101	102	102
1000	Lp(A) cc		<70	<70	<70	<70	71	75	77	79	80	80
	Q1	m³/min	4.7	6.3	8.0	9.6	12.1	13.7	15.3	16.1	17.0	
	DT	°C	129	117	110	105	101	98	97	96	95	
	Nsof	kW	12.5	15.4	18.4	21.5	26.3	29.8	33.3	35.2	37.1	
	Nmot	kW	15	18.5	22	30	30	37	37	45	45	
	Lp(A) sc		84	88	92	94	98	100	102	103	104	
	Lp(A) cc		<70	<70	<70	<70	72	76	78	80	81	82



Performances

RBS 55

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2					
			1500	1800	2200	2600	3000	3600	4000	4400	4600	4800
200	rpm		4.8	6.0	7.6	9.3	10.9	13.3	15.0	16.6	17.4	18.2
	Q1	m³/min										
	DT	°C	26	25	24	24	23	23	22	22	22	22
	Nsof	kW	2.2	2.7	3.4	4.2	5.2	6.8	8.0	9.4	10.1	10.9
	Nmot	kW	3	4	5.5	5.5	7.5	11	11	11	15	15
	Lp(A) sc		71	75	79	82	85	88	90	92	93	94
250	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	70	71	72
	Q1	m³/min	4.6	5.8	7.4	9.1	10.7	13.1	14.8	16.4	17.2	18.0
	DT	°C	36	35	33	32	31	31	30	30	30	30
	Nsof	kW	2.7	3.3	4.2	5.1	6.2	8.0	9.3	10.9	11.7	12.6
	Nmot	kW	4	4	5.5	7.5	7.5	11	11	15	15	15
	Lp(A) sc		72	76	80	83	86	89	92	93	94	95
300	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	71	72	73
	Q1	m³/min	4.4	5.6	7.2	8.9	10.5	12.9	14.6	16.2	17.0	17.8
	DT	°C	49	46	44	42	41	40	39	39	39	39
	Nsof	kW	3.2	3.9	4.9	6.0	7.2	9.2	10.7	12.4	13.3	14.2
	Nmot	kW	4	5.5	5.5	7.5	11	11	15	15	15	18.5
	Lp(A) sc		74	77	81	85	87	91	93	95	96	97
350	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	73	74	75
	Q1	m³/min	4.2	5.4	7.0	8.7	10.3	12.7	14.4	16.0	16.8	17.6
	DT	°C	64	60	56	54	52	51	50	50	49	49
	Nsof	kW	3.7	4.5	5.6	6.9	8.2	10.4	12.1	13.9	14.8	15.8
	Nmot	kW	5.5	5.5	7.5	11	11	15	15	18.5	18.5	18.5
	Lp(A) sc		75	79	83	86	89	92	94	96	97	98
400	Lp(A) cc		<70	<70	<70	<70	<70	70	72	74	75	76
	Q1	m³/min	4.0	5.2	6.8	8.4	10.1	12.5	14.1	15.8	16.6	17.4
	DT	°C	84	77	72	68	66	64	63	62	62	61
	Nsof	kW	4.2	5.1	6.4	7.8	9.2	11.6	13.4	15.3	16.4	17.4
	Nmot	kW	5.5	7.5	7.5	11	11	15	15	18.5	18.5	22
	Lp(A) sc		77	81	84	88	90	94	96	98	99	100
450	Lp(A) cc		<70	<70	<70	<70	<70	72	74	76	77	78
	Q1	m³/min	3.7	5.0	6.6	8.2	9.8	12.3	13.9	15.5	16.4	17.2
	DT	°C	109	99	91	86	83	80	78	77	77	76
	Nsof	kW	4.7	5.7	7.1	8.6	10.2	12.9	14.8	16.8	17.9	19.1
	Nmot	kW	5.5	7.5	11	11	15	15	18.5	22	22	22
	Lp(A) sc		79	82	86	89	92	96	98	100	101	101
500	Lp(A) cc		<70	<70	<70	<70	70	74	76	78	79	79
	Q1	m³/min	4.7	6.3	8.0	9.6	12.0	13.7	15.3	16.1	16.9	
	DT	°C		127	115	108	104	99	97	96	95	94
	Nsof	kW		6.3	7.9	9.5	11.3	14.1	16.1	18.3	19.5	20.7
	Nmot	kW		7.5	11	11	15	18.5	18.5	22	22	30
	Lp(A) sc			84	88	91	94	98	100	102	103	103
550	Lp(A) cc			<70	<70	<70	72	76	78	80	81	81
	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 65

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2						
	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	4800	
300	Q1	m³/min	6.4	8.0	10.2	12.3	14.5	17.7	19.9	22.1	23.1	24.2	
	DT	°C	31	30	29	28	28	27	27	27	27	27	
	Nsof	kW	4.2	5.2	6.5	7.9	9.5	12.1	14.0	16.1	17.3	18.5	
	Nmot	kW	5.5	7.5	7.5	11	11	15	18.5	18.5	22	22	
	Lp(A) sc		75	78	82	86	88	92	94	96	97	98	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	72	74	75	76	
400	Q1	m³/min	6.1	7.7	9.9	12.1	14.2	17.5	19.6	21.8	22.9	23.9	
	DT	°C	44	41	40	38	38	37	36	36	36	36	
	Nsof	kW	5.6	6.8	8.5	10.2	12.2	15.3	17.6	20.1	21.4	22.8	
	Nmot	kW	7.5	11	11	15	15	18.5	22	30	30	30	
	Lp(A) sc		76	80	84	87	90	94	96	97	98	99	
	Lp(A) cc		<70	<70	<70	<70	<70	72	74	75	76	77	
500	Q1	m³/min	5.9	7.5	9.7	11.8	14.0	17.2	19.4	21.6	22.6	23.7	
	DT	°C	57	53	51	49	48	47	46	46	45	45	
	Nsof	kW	6.9	8.4	10.4	12.6	14.9	18.5	21.2	24.1	25.6	27.1	
	Nmot	kW	11	11	15	15	18.5	22	30	30	30	37	
	Lp(A) sc		78	81	85	89	91	95	97	99	100	101	
	Lp(A) cc		<70	<70	<70	<70	<70	73	75	77	78	79	
600	Q1	m³/min	5.7	7.3	9.5	11.6	13.8	17.0	19.2	21.3	22.4	23.5	
	DT	°C	71	66	62	60	58	57	56	55	55	55	
	Nsof	kW	8.3	10.0	12.4	14.9	17.6	21.8	24.8	28.0	29.7	31.4	
	Nmot	kW	11	15	15	18.5	22	30	30	37	37	37	
	Lp(A) sc		79	83	87	90	93	96	98	100	101	102	
	Lp(A) cc		<70	<70	<70	<70	71	74	76	78	79	80	
700	Q1	m³/min	5.5	7.1	9.3	11.4	13.6	16.8	19.0	21.2	22.2	23.3	
	DT	°C	85	79	74	71	69	67	66	65	65	64	
	Nsof	kW	9.6	11.6	14.4	17.3	20.3	25.0	28.4	32.0	33.8	35.8	
	Nmot	kW	11	15	18.5	22	30	30	37	37	45	45	
	Lp(A) sc		80	84	88	91	94	98	100	101	102	103	
	Lp(A) cc		<70	<70	<70	<70	72	76	78	79	80	81	
800	Q1	m³/min	5.3	6.9	9.1	11.3	13.4	16.7	18.8	21.0	22.1	23.1	
	DT	°C	101	93	86	83	80	77	76	75	74	74	
	Nsof	kW	11.0	13.3	16.4	19.6	23.0	28.3	32.0	35.9	38.0	40.1	
	Nmot	kW	15	15	18.5	22	30	37	37	45	45	45	
	Lp(A) sc		82	85	89	92	95	99	101	103	104	104	
	Lp(A) cc		<70	<70	<70	70	73	77	79	81	82	82	
900	Q1	m³/min		6.8	8.9	11.1	13.2	16.5	18.6	20.8	21.9	23.0	
	DT	°C		107	99	94	91	88	86	85	84	84	
	Nsof	kW		14.9	18.4	21.9	25.7	31.5	35.6	39.9	42.1	44.4	
	Nmot	kW		18.5	22	30	30	37	45	45	55	55	
	Lp(A) sc			86	90	93	96	100	102	104	105	105	
	Lp(A) cc			<70	<70	71	74	78	80	82	83	83	
1000	Q1	m³/min				10.9	13.1	16.3	18.5	20.6	21.7	22.8	
	DT	°C				106	102	98	97	95	95	94	
	Nsof	kW				24.3	28.4	34.7	39.2	43.9	46.3	48.7	
	Nmot	kW				30	37	45	45	55	55	55	
	Lp(A) sc					95	97	101	103	105	106	107	
	Lp(A) cc					73	75	79	81	83	84	85	



Performances

RBS 65

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4			2						
	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	4800
200	Q1	m³/min	6.5	8.2	10.3	12.5	14.6	17.9	20.0	22.2	23.3	24.4
	DT	°C	25	25	24	23	23	22	22	22	22	22
	Nsof	kW	2.9	3.5	4.5	5.6	6.8	8.8	10.4	12.2	13.1	14.2
	Nmot	kW	4	5.5	5.5	7.5	11	11	15	15	15	18.5
	Lp(A) sc		74	78	82	85	88	91	93	95	96	97
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	73	74	75
250	Q1	m³/min	6.3	7.9	10.1	12.2	14.4	17.6	19.8	22.0	23.0	24.1
	DT	°C	35	34	32	31	31	30	30	30	30	29
	Nsof	kW	3.5	4.3	5.5	6.7	8.1	10.4	12.2	14.2	15.2	16.3
	Nmot	kW	5.5	5.5	7.5	7.5	11	15	15	18.5	18.5	18.5
	Lp(A) sc		75	79	83	86	89	92	95	96	97	98
	Lp(A) cc		<70	<70	<70	<70	<70	70	73	74	75	76
300	Q1	m³/min	6.1	7.7	9.8	12.0	14.2	17.4	19.6	21.7	22.8	23.9
	DT	°C	47	45	43	41	40	39	39	39	38	38
	Nsof	kW	4.2	5.2	6.5	7.9	9.5	12.1	14.0	16.1	17.3	18.5
	Nmot	kW	5.5	7.5	7.5	11	11	15	18.5	18.5	22	22
	Lp(A) sc		77	80	84	88	90	94	96	98	99	100
	Lp(A) cc		<70	<70	<70	<70	<70	72	74	76	77	78
350	Q1	m³/min	5.8	7.4	9.6	11.8	13.9	17.2	19.3	21.5	22.6	23.6
	DT	°C	62	58	55	53	51	50	49	49	49	48
	Nsof	kW	4.9	6.0	7.5	9.1	10.8	13.7	15.8	18.1	19.4	20.6
	Nmot	kW	5.5	7.5	11	11	15	18.5	18.5	22	22	30
	Lp(A) sc		78	82	86	89	92	95	97	99	100	101
	Lp(A) cc		<70	<70	<70	<70	<70	73	75	77	78	79
400	Q1	m³/min	5.6	7.2	9.3	11.5	13.7	16.9	19.1	21.2	22.3	23.4
	DT	°C	80	74	69	67	65	63	62	61	61	61
	Nsof	kW	5.6	6.8	8.5	10.2	12.2	15.3	17.6	20.1	21.4	22.8
	Nmot	kW	7.5	11	11	15	15	18.5	22	30	30	30
	Lp(A) sc		80	84	87	91	93	97	99	101	102	103
	Lp(A) cc		<70	<70	<70	<70	71	75	77	79	80	81
450	Q1	m³/min	5.3	6.9	9.1	11.2	13.4	16.6	18.8	21.0	22.0	23.1
	DT	°C	102	94	88	84	81	78	77	76	75	75
	Nsof	kW	6.2	7.6	9.4	11.4	13.5	16.9	19.4	22.1	23.5	25.0
	Nmot	kW	7.5	11	11	15	18.5	22	22	30	30	30
	Lp(A) sc		82	85	89	92	95	99	101	103	104	104
	Lp(A) cc		<70	<70	<70	70	73	77	79	81	82	82
500	Q1	m³/min				10.9	13.1	16.3	18.5	20.7	21.7	22.8
	DT	°C				105	101	97	95	94	93	93
	Nsof	kW				12.6	14.9	18.5	21.2	24.1	25.6	27.1
	Nmot	kW				15	18.5	22	30	30	30	37
	Lp(A) sc					94	97	101	103	105	106	106
	Lp(A) cc					72	75	79	81	83	84	84
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 66

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2						
	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	4800	
300	Q1	m³/min	8.6	10.9	14.0	17.1	20.2	24.8	27.9	31.0	32.5	34.0	
	DT	°C	33	32	30	29	28	28	27	27	27	27	
	Nsof	kW	6.0	7.3	9.1	11.1	13.2	16.7	19.3	22.1	23.6	25.1	
	Nmot	kW	7.5	11	11	15	15	22	22	30	30	30	
	Lp(A) sc		78	81	85	89	91	95	97	99	100	101	
	Lp(A) cc		<70	<70	<70	<70	<70	73	75	77	78	79	
400	Q1	m³/min	8.1	10.5	13.5	16.6	19.7	24.3	27.4	30.5	32.0	33.6	
	DT	°C	47	44	41	40	39	38	37	37	37	36	
	Nsof	kW	7.9	9.6	11.9	14.4	17.0	21.3	24.4	27.7	29.5	31.3	
	Nmot	kW	11	11	15	18.5	22	30	30	37	37	37	
	Lp(A) sc		79	83	87	90	93	97	99	100	101	102	
	Lp(A) cc		<70	<70	<70	<70	71	75	77	78	79	80	
500	Q1	m³/min	7.7	10.0	13.1	16.2	19.3	23.9	27.0	30.1	31.6	33.2	
	DT	°C	62	57	53	51	50	48	47	47	46	46	
	Nsof	kW	9.8	11.9	14.8	17.8	20.9	25.9	29.5	33.4	35.4	37.5	
	Nmot	kW	11	15	18.5	22	30	30	37	45	45	45	
	Lp(A) sc		81	84	88	92	94	98	100	102	103	104	
	Lp(A) cc		<70	<70	<70	<70	72	76	78	80	81	82	
600	Q1	m³/min	7.4	9.7	12.8	15.9	18.9	23.6	26.6	29.7	31.3	32.8	
	DT	°C	78	71	66	63	61	58	57	57	56	56	
	Nsof	kW	11.8	14.2	17.6	21.1	24.8	30.6	34.7	39.0	41.3	43.6	
	Nmot	kW	15	18.5	22	30	30	37	45	45	55	55	
	Lp(A) sc		82	86	90	93	96	99	101	103	104	105	
	Lp(A) cc		<70	<70	<70	71	74	77	79	81	82	83	
700	Q1	m³/min	9.3	12.4	15.5	18.6	23.2	26.3	29.4	30.9	32.5		
	DT	°C	86	79	75	72	69	68	67	66	66		
	Nsof	kW		16.5	20.4	24.4	28.6	35.2	39.8	44.7	47.2	49.8	
	Nmot	kW		18.5	30	30	37	45	45	55	55	75	
	Lp(A) sc			87	91	94	97	101	103	104	105	106	
	Lp(A) cc			<70	<70	72	75	79	81	82	83	84	
800	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												
900	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												
1000	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												



Performances

RBS 66

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2						
	rpm		1500	1800	2200	2600	3000	3600	4000	4400	4600	4800	
200	Q1	m³/min	8.9	11.2	14.3	17.3	20.4	25.1	28.1	31.2	32.8	34.3	
	DT	°C	27	26	24	24	23	23	23	22	22	22	
	Nsof	kW	4.1	5.0	6.3	7.7	9.3	12.1	14.1	16.4	17.7	19.0	
	Nmot	kW	5.5	7.5	7.5	11	11	15	18.5	18.5	22	22	
	Lp(A) sc		77	81	85	88	91	94	96	98	99	100	
	Lp(A) cc		<70	<70	<70	<70	<70	72	74	76	77	78	
250	Q1	m³/min	8.4	10.8	13.8	16.9	20.0	24.6	27.7	30.8	32.3	33.9	
	DT	°C	38	35	34	32	32	31	31	30	30	30	
	Nsof	kW	5.0	6.1	7.7	9.4	11.3	14.4	16.7	19.2	20.6	22.1	
	Nmot	kW	7.5	7.5	11	11	15	18.5	22	22	30	30	
	Lp(A) sc		78	82	86	89	92	95	98	99	100	101	
	Lp(A) cc		<70	<70	<70	<70	<70	73	76	77	78	79	
300	Q1	m³/min	8.0	10.3	13.4	16.5	19.6	24.2	27.3	30.4	31.9	33.5	
	DT	°C	51	47	45	43	42	40	40	39	39	39	
	Nsof	kW	6.0	7.3	9.1	11.1	13.2	16.7	19.3	22.1	23.6	25.1	
	Nmot	kW	7.5	11	11	15	15	22	22	30	30	30	
	Lp(A) sc		80	83	87	91	93	97	99	101	102	103	
	Lp(A) cc		<70	<70	<70	<70	71	75	77	79	80	81	
350	Q1	m³/min	7.6	9.9	13.0	16.1	19.2	23.8	26.9	30.0	31.5	33.0	
	DT	°C	67	62	58	55	53	52	51	50	50	49	
	Nsof	kW	6.9	8.4	10.5	12.7	15.1	19.0	21.8	24.9	26.5	28.2	
	Nmot	kW	11	11	15	15	18.5	22	30	30	30	37	
	Lp(A) sc		81	85	89	92	95	98	100	102	103	104	
	Lp(A) cc		<70	<70	<70	70	73	76	78	80	81	82	
400	Q1	m³/min	7.2	9.5	12.6	15.6	18.7	23.4	26.4	29.5	31.1	32.6	
	DT	°C	88	80	74	70	67	65	64	63	62	62	
	Nsof	kW	7.9	9.6	11.9	14.4	17.0	21.3	24.4	27.7	29.5	31.3	
	Nmot	kW	11	11	15	18.5	22	30	30	37	37	37	
	Lp(A) sc		83	87	90	94	96	100	102	104	105	106	
	Lp(A) cc		<70	<70	<70	72	74	78	80	82	83	84	
450	Q1	m³/min				15.2	18.3	22.9	26.0	29.1	30.6	32.1	
	DT	°C				88	85	81	79	78	78	77	
	Nsof	kW				16.1	19.0	23.6	27.0	30.6	32.4	34.4	
	Nmot	kW				18.5	22	30	37	37	37	45	
	Lp(A) sc					95	98	102	104	106	107	107	
	Lp(A) cc					73	76	80	82	84	85	85	
500	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												
550	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												



Performances

RBS 75

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles	4			2							
		rpm	1500	1800	2200	2600	2800	3000	3200	3400	3600	3800
300	Q1	m³/min	9.8	12.3	15.5	18.8	20.4	22.0	23.6	25.3	26.9	28.5
	DT	°C	31	30	29	28	28	27	27	27	27	27
	Nsof	kW	6.4	7.9	10.0	12.3	13.6	14.9	16.3	17.7	19.3	20.9
	Nmot	kW	7.5	11	15	15	18.5	18.5	18.5	22	22	30
	Lp(A) sc		76	79	83	87	88	89	91	92	93	94
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	71	72
	Lp(A) cc		<70	<70	<70	<70	<70	<70	70	71	73	74
400	Q1	m³/min	9.5	11.9	15.2	18.4	20.0	21.7	23.3	24.9	26.5	28.2
	DT	°C	42	41	39	38	38	37	37	37	36	36
	Nsof	kW	8.5	10.3	13.0	15.8	17.4	18.9	20.6	22.3	24.2	26.1
	Nmot	kW	11	15	15	18.5	22	22	30	30	30	30
	Lp(A) sc		77	81	85	88	90	91	92	93	95	96
	Lp(A) cc		<70	<70	<70	<70	<70	<70	70	71	73	74
	Lp(A) cc		<70	<70	<70	<70	<70	70	72	73	74	75
500	Q1	m³/min	9.2	11.6	14.8	18.1	19.7	21.3	23.0	24.6	26.2	27.8
	DT	°C	55	52	50	48	48	47	47	46	46	46
	Nsof	kW	10.5	12.8	16.0	19.4	21.1	23.0	24.9	26.9	29.0	31.2
	Nmot	kW	15	15	18.5	22	30	30	30	30	37	37
	Lp(A) sc		79	82	86	90	91	92	94	95	96	97
	Lp(A) cc		<70	<70	<70	<70	<70	70	72	73	74	75
	Lp(A) cc		<70	<70	<70	<70	<70	70	72	73	74	75
600	Q1	m³/min	8.9	11.3	14.6	17.8	19.4	21.1	22.7	24.3	25.9	27.6
	DT	°C	68	64	61	59	58	57	57	56	56	56
	Nsof	kW	12.5	15.2	18.9	22.9	24.9	27.1	29.3	31.5	33.9	36.3
	Nmot	kW	15	18.5	22	30	30	37	37	37	45	45
	Lp(A) sc		80	84	88	91	92	94	95	96	97	98
	Lp(A) cc		<70	<70	<70	<70	70	72	73	74	75	76
	Lp(A) cc		<70	<70	<70	<70	70	72	73	74	75	76
700	Q1	m³/min	8.6	11.0	14.3	17.5	19.2	20.8	22.4	24.0	25.7	27.3
	DT	°C	82	77	72	70	69	68	67	66	66	65
	Nsof	kW	14.5	17.6	21.9	26.4	28.7	31.1	33.6	36.1	38.8	41.5
	Nmot	kW	18.5	22	30	30	37	37	45	45	45	55
	Lp(A) sc		81	85	89	92	94	95	96	97	99	100
	Lp(A) cc		<70	<70	<70	70	72	73	74	75	77	78
	Lp(A) cc		<70	<70	<70	70	72	73	74	75	77	78
800	Q1	m³/min	8.4	10.8	14.0	17.3	18.9	20.5	22.2	23.8	25.4	27.0
	DT	°C	96	89	84	81	79	78	77	77	76	75
	Nsof	kW	16.6	20.1	24.9	29.9	32.5	35.2	37.9	40.7	43.6	46.6
	Nmot	kW	18.5	30	30	37	37	45	45	55	55	55
	Lp(A) sc		83	86	90	93	95	96	97	99	100	101
	Lp(A) cc		<70	<70	<70	71	73	74	75	77	78	79
	Lp(A) cc		<70	<70	<70	71	73	74	75	77	78	79
900	Q1	m³/min	8.1	10.6	13.8	17.1	18.7	20.3	21.9	23.6	25.2	26.8
	DT	°C	111	103	96	92	90	89	88	87	86	86
	Nsof	kW	18.6	22.5	27.9	33.4	36.3	39.2	42.3	45.3	48.5	51.8
	Nmot	kW	22	30	37	45	45	45	55	55	55	75
	Lp(A) sc		84	87	91	94	96	97	99	100	101	102
	Lp(A) cc		<70	<70	<70	72	74	75	77	78	79	80
	Lp(A) cc		<70	<70	<70	72	74	75	77	78	79	80
1000	Q1	m³/min	7.9	10.3	13.6	16.8	18.5	20.1	21.7	23.3	25.0	26.6
	DT	°C	127	117	109	104	102	100	99	98	97	96
	Nsof	kW	20.6	24.9	30.8	36.9	40.1	43.3	46.6	49.9	53.4	56.9
	Nmot	kW	30	30	37	45	45	55	55	75	75	75
	Lp(A) sc		85	88	92	96	97	98	100	101	102	103
	Lp(A) cc		<70	<70	70	74	75	76	78	79	80	81
	Lp(A) cc		<70	<70	70	74	75	76	78	79	80	81



Performances

RBS 75

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4			2							
		rpm	1500	1800	2200	2600	2800	3000	3200	3400	3600	3800	
200	Q1	m³/min	10.0	12.5	15.7	19.0	20.6	22.2	23.9	25.5	27.1	28.7	
	DT	°C	25	24	23	23	23	23	22	22	22	22	
	Nsof	kW	4.4	5.5	7.0	8.8	9.8	10.8	11.9	13.1	14.4	15.8	
	Nmot	kW	5.5	7.5	11	11	11	15	15	15	18.5	18.5	
	Lp(A) sc		75	79	83	86	87	89	90	91	92	93	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	70	71	
250	Q1	m³/min	9.7	12.2	15.4	18.7	20.3	21.9	23.5	25.1	26.8	28.4	
	DT	°C	34	33	32	31	31	31	30	30	30	30	
	Nsof	kW	5.4	6.7	8.5	10.6	11.7	12.9	14.1	15.4	16.8	18.3	
	Nmot	kW	7.5	7.5	11	15	15	15	18.5	18.5	22	22	
	Lp(A) sc		76	80	84	87	89	90	91	92	93	95	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	70	71	73	
300	Q1	m³/min	9.4	11.8	15.1	18.3	20.0	21.6	23.2	24.8	26.4	28.1	
	DT	°C	46	44	42	41	40	40	39	39	39	39	
	Nsof	kW	6.4	7.9	10.0	12.3	13.6	14.9	16.3	17.7	19.3	20.9	
	Nmot	kW	7.5	11	15	15	18.5	18.5	18.5	22	22	30	
	Lp(A) sc		78	81	85	89	90	91	93	94	95	96	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	72	73	74	
350	Q1	m³/min	9.1	11.5	14.7	18.0	19.6	21.2	22.9	24.5	26.1	27.7	
	DT	°C	59	56	54	52	51	51	50	50	49	49	
	Nsof	kW	7.4	9.1	11.5	14.1	15.5	16.9	18.4	20.0	21.7	23.5	
	Nmot	kW	11	11	15	18.5	18.5	22	22	30	30	30	
	Lp(A) sc		79	83	87	90	92	93	94	95	96	97	
	Lp(A) cc		<70	<70	<70	<70	<70	71	72	73	74	75	
400	Q1	m³/min	8.7	11.1	14.4	17.6	19.3	20.9	22.5	24.1	25.8	27.4	
	DT	°C	76	72	68	65	64	64	63	62	62	62	
	Nsof	kW	8.5	10.3	13.0	15.8	17.4	18.9	20.6	22.3	24.2	26.1	
	Nmot	kW	11	15	15	18.5	22	22	30	30	30	30	
	Lp(A) sc		81	85	88	92	93	94	96	97	98	99	
	Lp(A) cc		<70	<70	<70	<70	71	72	74	75	76	77	
450	Q1	m³/min	8.3	10.8	14.0	17.3	18.9	20.5	22.1	23.8	25.4	27.0	
	DT	°C	98	91	85	82	81	79	79	78	77	76	
	Nsof	kW	9.5	11.5	14.5	17.6	19.2	21.0	22.8	24.6	26.6	28.6	
	Nmot	kW	11	15	18.5	22	22	30	30	30	30	37	
	Lp(A) sc		83	86	90	93	95	96	98	99	100	101	
	Lp(A) cc		<70	<70	<70	71	73	74	76	77	78	79	
500	Q1	m³/min	7.9	10.4	13.6	16.9	18.5	20.1	21.7	23.4	25.0	26.6	
	DT	°C	125	115	107	102	100	99	98	96	95	95	
	Nsof	kW	10.5	12.8	16.0	19.4	21.1	23.0	24.9	26.9	29.0	31.2	
	Nmot	kW	15	15	18.5	22	30	30	30	30	37	37	
	Lp(A) sc		85	88	92	95	97	98	99	101	102	103	
	Lp(A) cc		<70	<70	70	73	75	76	77	79	80	81	
550	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												



Performances

RBS 85

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4			2						
		rpm	1500	1800	2200	2600	2800	3000	3200	3400	3600	3800
300	Q1	m³/min	14.4	18.0	22.8	27.6	30.0	32.4	34.8	37.2	39.6	42.0
	DT	°C	31	30	29	28	28	28	27	27	27	27
	Nsof	kW	9.5	11.7	14.8	18.2	20.1	22.1	24.1	26.3	28.6	31.0
	Nmot	kW	11	15	18.5	22	30	30	30	30	37	37
	Lp(A) sc		79	82	86	90	91	92	94	95	96	97
	Lp(A) cc		<70	<70	<70	<70	<70	70	72	73	74	75
400	Q1	m³/min	13.8	17.4	22.2	27.0	29.4	31.8	34.2	36.6	39.0	41.4
	DT	°C	43	41	39	38	38	37	37	37	37	36
	Nsof	kW	12.5	15.3	19.2	23.4	25.7	28.1	30.5	33.1	35.8	38.6
	Nmot	kW	15	18.5	22	30	30	37	37	37	45	45
	Lp(A) sc		80	84	88	91	93	94	95	96	98	99
	Lp(A) cc		<70	<70	<70	<70	71	72	73	74	76	77
500	Q1	m³/min	13.4	17.0	21.8	26.6	29.0	31.4	33.8	36.2	38.6	41.0
	DT	°C	56	53	50	49	48	47	47	47	46	46
	Nsof	kW	15.5	18.9	23.6	28.6	31.3	34.1	36.9	39.9	43.0	46.2
	Nmot	kW	18.5	22	30	37	37	45	45	45	55	55
	Lp(A) sc		82	85	89	93	94	95	97	98	99	100
	Lp(A) cc		<70	<70	<70	71	72	73	75	76	77	78
600	Q1	m³/min	12.9	16.5	21.3	26.1	28.5	30.9	33.3	35.7	38.1	40.5
	DT	°C	69	65	61	59	58	58	57	57	56	56
	Nsof	kW	18.5	22.5	28.0	33.8	36.9	40.1	43.3	46.7	50.2	53.8
	Nmot	kW	22	30	37	45	45	45	55	55	75	75
	Lp(A) sc		83	87	91	94	95	97	98	99	100	101
	Lp(A) cc		<70	<70	<70	72	73	75	76	77	78	79
700	Q1	m³/min	12.5	16.1	20.9	25.7	28.1	30.5	32.9	35.3	37.7	40.1
	DT	°C	83	78	73	70	69	68	68	67	66	66
	Nsof	kW	21.5	26.1	32.4	39.0	42.5	46.1	49.7	53.5	57.4	61.4
	Nmot	kW	30	30	37	45	55	55	75	75	75	75
	Lp(A) sc		84	88	92	95	97	98	99	100	102	103
	Lp(A) cc		<70	<70	<70	73	75	76	77	78	80	81
800	Q1	m³/min	12.1	15.7	20.5	25.3	27.7	30.1	32.5	34.9	37.3	39.7
	DT	°C	98	91	85	81	80	79	78	77	77	76
	Nsof	kW	24.5	29.7	36.8	44.2	48.1	52.1	56.1	60.3	64.6	69.0
	Nmot	kW	30	37	45	55	55	75	75	75	75	90
	Lp(A) sc		86	89	93	96	98	99	100	102	103	104
	Lp(A) cc		<70	<70	71	74	76	77	78	80	81	82
900	Q1	m³/min		15.4	20.2	25.0	27.4	29.8	32.2	34.6	37.0	39.4
	DT	°C		105	97	93	91	90	89	88	87	86
	Nsof	kW		33.3	41.2	49.4	53.7	58.1	62.5	67.1	71.8	76.6
	Nmot	kW		45	55	55	75	75	75	75	90	90
	Lp(A) sc			90	94	97	99	100	102	103	104	105
	Lp(A) cc			<70	72	75	77	78	80	81	82	83
1000	Q1	m³/min			19.8	24.6	27.0	29.4	31.8	34.2	36.6	39.0
	DT	°C			110	105	103	101	100	98	97	97
	Nsof	kW			45.6	54.6	59.3	64.1	68.9	73.9	79.0	84.2
	Nmot	kW			55	75	75	75	90	90	90	110
	Lp(A) sc				95	99	100	101	103	104	105	106
	Lp(A) cc				73	77	78	79	81	82	83	84



Performances

RBS 85

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4			2						
		rpm	1500	1800	2200	2600	2800	3000	3200	3400	3600	3800
200	Q1	m³/min	14.7	18.3	23.1	27.9	30.3	32.7	35.1	37.5	39.9	42.3
	DT	°C	25	24	24	23	23	23	23	22	22	22
	Nsof	kW	6.5	8.1	10.4	13.0	14.5	16.1	17.7	19.5	21.4	23.4
	Nmot	kW	7.5	11	15	15	18.5	18.5	22	22	30	30
	Lp(A) sc		78	82	86	89	90	92	93	94	95	96
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	72	73	74
250	Q1	m³/min	14.2	17.8	22.6	27.4	29.8	32.2	34.6	37.0	39.4	41.8
	DT	°C	35	33	32	31	31	31	30	30	30	30
	Nsof	kW	8.0	9.9	12.6	15.6	17.3	19.1	20.9	22.9	25.0	27.2
	Nmot	kW	11	11	15	18.5	22	22	30	30	30	37
	Lp(A) sc		79	83	87	90	92	93	94	95	96	98
	Lp(A) cc		<70	<70	<70	<70	<70	71	72	73	74	76
300	Q1	m³/min	13.7	17.3	22.1	26.9	29.3	31.7	34.1	36.5	38.9	41.3
	DT	°C	46	44	42	41	40	40	40	39	39	39
	Nsof	kW	9.5	11.7	14.8	18.2	20.1	22.1	24.1	26.3	28.6	31.0
	Nmot	kW	11	15	18.5	22	30	30	30	30	37	37
	Lp(A) sc		81	84	88	92	93	94	96	97	98	99
	Lp(A) cc		<70	<70	<70	<70	71	72	74	75	76	77
350	Q1	m³/min	13.2	16.8	21.6	26.4	28.8	31.2	33.6	36.0	38.4	40.8
	DT	°C	60	57	54	52	52	51	51	50	50	49
	Nsof	kW	11.0	13.5	17.0	20.8	22.9	25.1	27.3	29.7	32.2	34.8
	Nmot	kW	15	15	22	30	30	30	37	37	37	45
	Lp(A) sc		82	86	90	93	95	96	97	98	99	100
	Lp(A) cc		<70	<70	<70	71	73	74	75	76	77	78
400	Q1	m³/min	12.7	16.3	21.1	25.9	28.3	30.7	33.1	35.5	37.9	40.3
	DT	°C	78	73	68	66	65	64	63	63	62	62
	Nsof	kW	12.5	15.3	19.2	23.4	25.7	28.1	30.5	33.1	35.8	38.6
	Nmot	kW	15	18.5	22	30	30	37	37	37	45	45
	Lp(A) sc		84	88	91	95	96	97	99	100	101	102
	Lp(A) cc		<70	<70	<70	73	74	75	77	78	79	80
450	Q1	m³/min	12.1	15.7	20.5	25.3	27.7	30.1	32.5	34.9	37.3	39.7
	DT	°C	100	92	86	83	81	80	79	78	78	77
	Nsof	kW	14.0	17.1	21.4	26.0	28.5	31.1	33.7	36.5	39.4	42.4
	Nmot	kW	18.5	22	30	30	37	37	45	45	45	55
	Lp(A) sc		86	89	93	96	98	99	101	102	103	104
	Lp(A) cc		<70	<70	71	74	76	77	79	80	81	82
500	Q1	m³/min			19.9	24.7	27.1	29.5	31.9	34.3	36.7	39.1
	DT	°C			108	103	101	100	98	97	96	95
	Nsof	kW			23.6	28.6	31.3	34.1	36.9	39.9	43.0	46.2
	Nmot	kW			30	37	37	45	45	45	55	55
	Lp(A) sc				95	98	100	101	102	104	105	106
	Lp(A) cc				73	76	78	79	80	82	83	84
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 86

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2					
	rpm		1500	1800	2200	2600	2800	3000	3200	3400	3600	3800
300	Q1	m³/min	18.7	23.4	29.6	35.9	39.0	42.1	45.2	48.4	51.5	54.6
	DT	°C	31	30	29	28	28	28	27	27	27	27
	Nsof	kW	12.3	15.1	19.1	23.4	25.8	28.3	30.9	33.6	36.5	39.5
	Nmot	kW	15	18.5	22	30	30	37	37	45	45	45
	Lp(A) sc		82	85	89	93	94	95	97	98	99	100
	Lp(A) cc		<70	<70	<70	71	72	73	75	76	77	78
400	Q1	m³/min	18.0	22.7	28.9	35.2	38.3	41.4	44.5	47.6	50.8	53.9
	DT	°C	43	41	39	38	38	37	37	37	37	36
	Nsof	kW	16.2	19.8	24.8	30.2	33.1	36.1	39.2	42.4	45.8	49.4
	Nmot	kW	18.5	22	30	37	37	45	45	55	55	55
	Lp(A) sc		83	87	91	94	96	97	98	99	101	102
	Lp(A) cc		<70	<70	<70	72	74	75	76	77	79	80
500	Q1	m³/min	17.4	22.0	28.3	34.5	37.6	40.8	43.9	47.0	50.1	53.2
	DT	°C	56	53	50	49	48	47	47	47	46	46
	Nsof	kW	20.1	24.4	30.5	37.0	40.4	43.9	47.5	51.3	55.2	59.3
	Nmot	kW	30	30	37	45	45	55	55	75	75	75
	Lp(A) sc		85	88	92	96	97	98	100	101	102	103
	Lp(A) cc		<70	<70	70	74	75	76	78	79	80	81
600	Q1	m³/min	16.8	21.5	27.7	33.9	37.1	40.2	43.3	46.4	49.5	52.7
	DT	°C	69	65	61	59	58	58	57	57	56	56
	Nsof	kW	24.0	29.1	36.2	43.7	47.6	51.7	55.8	60.1	64.6	69.2
	Nmot	kW	30	37	45	55	55	75	75	75	75	90
	Lp(A) sc		86	90	94	97	98	100	101	102	103	104
	Lp(A) cc		<70	<70	72	75	76	78	79	80	81	82
700	Q1	m³/min	16.3	20.9	27.2	33.4	36.5	39.7	42.8	45.9	49.0	52.1
	DT	°C	83	78	73	70	69	68	68	67	66	66
	Nsof	kW	27.9	33.8	42.0	50.5	54.9	59.5	64.1	69.0	73.9	79.0
	Nmot	kW	37	45	55	75	75	75	75	90	90	90
	Lp(A) sc		87	91	95	98	100	101	102	103	105	106
	Lp(A) cc		<70	<70	73	76	78	79	80	81	83	84
800	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
900	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
1000	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 86

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4				2					
	rpm		1500	1800	2200	2600	2800	3000	3200	3400	3600	3800
200	Q1	m³/min	19.1	23.8	30.1	36.3	39.4	42.5	45.7	48.8	51.9	55.0
	DT	°C	25	24	24	23	23	23	23	22	22	22
	Nsof	kW	8.4	10.4	13.4	16.7	18.5	20.5	22.5	24.8	27.1	29.6
	Nmot	kW	11	15	15	22	22	30	30	30	37	37
	Lp(A) sc		81	85	89	92	93	95	96	97	98	99
	Lp(A) cc		<70	<70	<70	<70	71	73	74	75	76	77
250	Q1	m³/min	18.5	23.2	29.4	35.6	38.8	41.9	45.0	48.1	51.2	54.4
	DT	°C	35	33	32	31	31	31	30	30	30	30
	Nsof	kW	10.4	12.7	16.2	20.1	22.2	24.4	26.7	29.2	31.8	34.6
	Nmot	kW	15	15	18.5	30	30	30	30	37	37	45
	Lp(A) sc		82	86	90	93	95	96	97	98	99	101
	Lp(A) cc		<70	<70	<70	71	73	74	75	76	77	79
300	Q1	m³/min	17.8	22.5	28.7	35.0	38.1	41.2	44.3	47.5	50.6	53.7
	DT	°C	46	44	42	41	40	40	40	39	39	39
	Nsof	kW	12.3	15.1	19.1	23.4	25.8	28.3	30.9	33.6	36.5	39.5
	Nmot	kW	15	18.5	22	30	30	37	37	45	45	45
	Lp(A) sc		84	87	91	95	96	97	99	100	101	102
	Lp(A) cc		<70	<70	<70	73	74	75	77	78	79	80
350	Q1	m³/min	17.2	21.8	28.1	34.3	37.4	40.6	43.7	46.8	49.9	53.0
	DT	°C	60	57	54	52	52	51	51	50	50	49
	Nsof	kW	14.3	17.4	21.9	26.8	29.4	32.2	35.0	38.0	41.2	44.5
	Nmot	kW	18.5	22	30	30	37	37	45	45	55	55
	Lp(A) sc		85	89	93	96	98	99	100	101	102	103
	Lp(A) cc		<70	<70	71	74	76	77	78	79	80	81
400	Q1	m³/min	16.5	21.1	27.4	33.6	36.7	39.9	43.0	46.1	49.2	52.3
	DT	°C	78	73	68	66	65	64	63	63	62	62
	Nsof	kW	16.2	19.8	24.8	30.2	33.1	36.1	39.2	42.4	45.8	49.4
	Nmot	kW	18.5	22	30	37	37	45	45	55	55	55
	Lp(A) sc		87	91	94	98	99	100	102	103	104	105
	Lp(A) cc		<70	<70	72	76	77	78	80	81	82	83
450	Q1	m³/min			26.6	32.9	36.0	39.1	42.2	45.4	48.5	51.6
	DT	°C			86	83	81	80	79	78	78	77
	Nsof	kW			27.7	33.6	36.7	40.0	43.3	46.9	50.5	54.3
	Nmot	kW			37	45	45	45	55	55	75	75
	Lp(A) sc				96	99	101	102	104	105	106	107
	Lp(A) cc				74	77	79	80	82	83	84	85
500	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4						2			
	rpm		1200	1300	1400	1500	1800	2200	2400	2600	2800	3000
300	Q1	m³/min	16.3	17.9	19.6	21.3	26.3	33.0	36.3	39.6	43.0	46.3
	DT	°C	31	30	30	29	28	28	27	27	27	27
	Nsof	kW	10.6	11.6	12.6	13.6	17.0	21.9	24.6	27.5	30.6	34.0
	Nmot	kW	15	15	15	18.5	22	30	30	37	37	45
	Lp(A) sc		76	77	79	80	83	87	89	91	92	93
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	70	71
400	Q1	m³/min	15.7	17.4	19.0	20.7	25.7	32.4	35.7	39.1	42.4	45.7
	DT	°C	42	41	41	40	39	38	37	37	36	36
	Nsof	kW	13.9	15.2	16.5	17.8	22.0	28.0	31.3	34.7	38.4	42.3
	Nmot	kW	18.5	18.5	18.5	22	30	37	37	45	45	55
	Lp(A) sc		77	79	80	81	85	89	91	92	94	95
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	70	72	73
500	Q1	m³/min	15.2	16.8	18.5	20.2	25.2	31.9	35.2	38.5	41.9	45.2
	DT	°C	55	53	52	51	49	48	47	47	46	46
	Nsof	kW	17.3	18.8	20.4	22.0	27.0	34.1	38.0	42.0	46.2	50.7
	Nmot	kW	22	22	30	30	37	45	45	55	55	75
	Lp(A) sc		78	80	81	83	86	90	92	94	95	96
	Lp(A) cc		<70	<70	<70	<70	<70	<70	70	72	73	74
600	Q1	m³/min	14.7	16.4	18.0	19.7	24.7	31.4	34.7	38.1	41.4	44.8
	DT	°C	68	66	64	63	60	58	57	57	56	55
	Nsof	kW	20.6	22.4	24.3	26.2	32.0	40.3	44.6	49.2	54.0	59.0
	Nmot	kW	30	30	30	30	37	45	55	55	75	75
	Lp(A) sc		80	81	83	84	88	92	93	95	96	98
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	73	74	76
700	Q1	m³/min	14.3	15.9	17.6	19.3	24.3	31.0	34.3	37.7	41.0	44.3
	DT	°C	81	79	77	75	72	69	68	67	66	65
	Nsof	kW	24.0	26.1	28.2	30.3	37.0	46.4	51.3	56.5	61.8	67.4
	Nmot	kW	30	30	37	37	45	55	75	75	75	75
	Lp(A) sc		81	83	84	85	89	93	95	96	98	99
	Lp(A) cc		<70	<70	<70	<70	<70	71	73	74	76	77
800	Q1	m³/min	13.9	15.5	17.2	18.9	23.9	30.6	33.9	37.3	40.6	43.9
	DT	°C	95	92	90	88	83	79	78	77	76	75
	Nsof	kW	27.3	29.7	32.1	34.5	42.0	52.5	58.0	63.7	69.6	75.7
	Nmot	kW	37	37	37	45	55	75	75	75	90	90
	Lp(A) sc		82	84	85	87	90	94	96	97	99	100
	Lp(A) cc		<70	<70	<70	<70	<70	72	74	75	77	78
900	Q1	m³/min	13.5	15.2	16.8	18.5	23.5	30.2	33.5	36.9	40.2	43.6
	DT	°C	110	106	103	101	95	90	89	88	86	86
	Nsof	kW	30.6	33.3	36.0	38.7	47.0	58.6	64.7	70.9	77.4	84.1
	Nmot	kW	37	45	45	45	55	75	75	90	90	110
	Lp(A) sc		83	85	86	88	91	95	97	98	100	101
	Lp(A) cc		<70	<70	<70	<70	<70	73	75	76	78	79
1000	Q1	m³/min	13.1	14.8	16.5	18.2	23.2	29.8	33.2	36.5	39.9	43.2
	DT	°C	126	121	117	114	107	102	100	98	97	96
	Nsof	kW	34.0	36.9	39.9	42.9	52.0	64.7	71.4	78.2	85.2	92.4
	Nmot	kW	45	45	45	55	75	75	90	90	110	110
	Lp(A) sc		84	86	87	89	92	96	98	100	101	102
	Lp(A) cc		<70	<70	<70	<70	<70	70	74	76	78	80



Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases
other than atmospheric air or
at non-standard conditions
contact your Authorized
ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4						2				
	rpm		1200	1300	1400	1500	1800	2200	2400	2600	2800	3000	
200	Q1	m³/min	16.6	18.3	19.9	21.6	26.6	33.3	36.6	40.0	43.3	46.7	
	DT	°C	25	24	24	24	23	23	23	22	22	22	
	Nsof	kW	7.3	8.0	8.7	9.5	11.9	15.8	17.9	20.3	22.8	25.6	
	Nmot	kW	11	11	11	11	15	18.5	22	30	30	30	
	Lp(A) sc		75	76	78	79	83	87	88	90	91	93	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	71	
250	Q1	m³/min	16.1	17.7	19.4	21.1	26.1	32.8	36.1	39.4	42.8	46.1	
	DT	°C	34	34	33	33	32	31	30	30	30	30	
	Nsof	kW	8.9	9.8	10.6	11.6	14.4	18.8	21.3	23.9	26.7	29.8	
	Nmot	kW	11	11	15	15	18.5	22	30	30	30	37	
	Lp(A) sc		76	78	79	80	84	88	90	91	93	94	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	71	72	
300	Q1	m³/min	15.5	17.2	18.9	20.5	25.6	32.2	35.6	38.9	42.3	45.6	
	DT	°C	45	44	44	43	41	40	40	39	39	39	
	Nsof	kW	10.6	11.6	12.6	13.6	17.0	21.9	24.6	27.5	30.6	34.0	
	Nmot	kW	15	15	15	18.5	22	30	30	37	37	45	
	Lp(A) sc		77	79	80	82	85	89	91	93	94	95	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	71	72	73	
350	Q1	m³/min	15.0	16.7	18.3	20.0	25.0	31.7	35.0	38.4	41.7	45.1	
	DT	°C	59	58	56	55	53	51	51	50	50	49	
	Nsof	kW	12.3	13.4	14.5	15.7	19.5	24.9	27.9	31.1	34.5	38.1	
	Nmot	kW	15	15	18.5	18.5	22	30	37	37	45	45	
	Lp(A) sc		79	81	82	83	87	91	92	94	96	97	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	70	72	74	75	
400	Q1	m³/min	14.4	16.1	17.8	19.4	24.5	31.1	34.5	37.8	41.2	44.5	
	DT	°C	76	74	72	70	67	64	64	63	62	62	
	Nsof	kW	13.9	15.2	16.5	17.8	22.0	28.0	31.3	34.7	38.4	42.3	
	Nmot	kW	18.5	18.5	18.5	22	30	37	37	45	45	55	
	Lp(A) sc		81	82	84	85	89	92	94	96	97	98	
	Lp(A) cc		<70	<70	<70	<70	<70	70	72	74	75	76	
450	Q1	m³/min	13.8	15.5	17.2	18.8	23.9	30.5	33.9	37.2	40.6	43.9	
	DT	°C	97	94	91	89	84	81	79	78	77	76	
	Nsof	kW	15.6	17.0	18.4	19.9	24.5	31.1	34.6	38.4	42.3	46.5	
	Nmot	kW	18.5	22	22	30	30	37	45	45	55	55	
	Lp(A) sc		82	84	85	87	90	94	96	97	99	100	
	Lp(A) cc		<70	<70	<70	<70	<70	72	74	75	77	78	
500	Q1	m³/min	13.2	14.9	16.5	18.2	23.2	29.9	33.2	36.6	39.9	43.3	
	DT	°C	124	119	115	112	106	100	98	97	96	95	
	Nsof	kW	17.3	18.8	20.4	22.0	27.0	34.1	38.0	42.0	46.2	50.7	
	Nmot	kW	22	22	30	30	37	45	45	55	55	75	
	Lp(A) sc		84	86	87	89	92	96	98	99	101	102	
	Lp(A) cc		<70	<70	<70	<70	70	74	76	77	79	80	
550	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												



Performances

RBS 105

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4						2			
	rpm		1200	1300	1400	1500	1800	2200	2400	2600	2800	3000
300	Q1	m³/min	21.2	23.4	25.6	27.7	34.3	3.0	47.3	51.6	56.0	60.3
	DT	°C	30	30	29	29	28	28	27	27	27	27
	Nsof	kW	13.6	14.9	16.2	17.5	21.6	27.6	30.9	34.4	38.1	42.0
	Nmot	kW	18.5	18.5	18.5	22	30	37	37	45	45	55
	Lp(A) sc		79	80	82	83	86	90	92	94	95	96
	Lp(A) cc		<70	<70	<70	<70	<70	<70	70	72	73	74
400	Q1	m³/min	20.5	22.6	24.8	27.0	33.5	42.2	46.5	50.9	55.2	59.6
	DT	°C	42	41	41	40	39	37	37	37	36	36
	Nsof	kW	18.0	19.6	21.2	22.9	28.1	35.6	39.6	43.8	48.2	52.9
	Nmot	kW	22	22	30	30	37	45	45	55	55	75
	Lp(A) sc		80	82	83	84	88	92	94	95	97	98
	Lp(A) cc		<70	<70	<70	<70	<70	<70	72	73	75	76
500	Q1	m³/min	19.8	22.0	24.2	26.3	32.8	41.5	45.9	50.2	54.6	58.9
	DT	°C	54	53	52	51	49	48	47	46	46	46
	Nsof	kW	22.3	24.3	26.3	28.3	34.6	43.6	48.3	53.2	58.4	63.8
	Nmot	kW	30	30	30	37	45	55	55	75	75	75
	Lp(A) sc		81	83	84	86	89	93	95	97	98	99
	Lp(A) cc		<70	<70	<70	<70	<70	71	73	75	76	77
600	Q1	m³/min	19.2	21.4	23.6	25.7	32.2	40.9	45.3	49.6	54.0	58.3
	DT	°C	67	66	64	63	60	58	57	56	56	55
	Nsof	kW	26.7	29.0	31.4	33.8	41.2	51.5	57.0	62.6	68.5	74.6
	Nmot	kW	30	37	37	45	55	75	75	75	90	90
	Lp(A) sc		83	84	86	87	91	95	96	98	99	101
	Lp(A) cc		<70	<70	<70	<70	<70	73	74	76	77	79
700	Q1	m³/min	18.7	20.8	23.0	25.2	31.7	40.4	44.7	49.1	53.4	57.8
	DT	°C	81	78	76	75	71	68	67	67	66	65
	Nsof	kW	31.0	33.7	36.5	39.2	47.7	59.5	65.7	72.1	78.7	85.5
	Nmot	kW	37	45	45	45	55	75	75	90	90	110
	Lp(A) sc		84	86	87	88	92	96	98	99	101	102
	Lp(A) cc		<70	<70	<70	<70	<70	74	76	77	79	80
800	Q1	m³/min	18.1	20.3	22.5	24.7	31.2	39.9	44.2	48.6	52.9	57.3
	DT	°C	95	92	89	87	83	79	78	77	76	75
	Nsof	kW	35.4	38.4	41.5	44.6	54.2	67.5	74.4	81.5	88.8	96.4
	Nmot	kW	45	45	55	55	75	90	90	90	110	110
	Lp(A) sc		85	87	88	90	93	97	99	100	102	103
	Lp(A) cc		<70	<70	<70	<70	<70	71	75	77	78	80
900	Q1	m³/min	17.7	19.8	22.0	24.2	30.7	39.4	43.7	48.1	52.4	56.8
	DT	°C	110	106	103	100	95	90	89	87	86	85
	Nsof	kW	39.7	43.1	46.6	50.1	60.7	75.4	83.1	90.9	98.9	107.2
	Nmot	kW	45	55	55	75	75	90	90	110	110	132
	Lp(A) sc		86	88	89	91	94	98	100	101	103	104
	Lp(A) cc		<70	<70	<70	<70	72	76	78	79	81	82
1000	Q1	m³/min					30.3	38.9	43.3	47.6	52.0	56.3
	DT	°C					107	101	100	98	97	96
	Nsof	kW					67.2	83.4	91.8	100.3	109.1	118.1
	Nmot	kW					75	110	110	110	132	132
	Lp(A) sc						95	99	101	103	104	105
	Lp(A) cc						73	77	79	81	82	83



Performances

RBS 105

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4						2			
	rpm		1200	1300	1400	1500	1800	2200	2400	2600	2800	3000
200	Q1	m³/min	21.7	23.8	26.0	28.2	34.7	43.4	47.7	52.1	56.4	60.8
	DT	°C	25	24	24	24	23	23	23	22	22	22
	Nsof	kW	9.3	10.2	11.1	12.0	15.1	19.7	22.2	25.0	28.0	31.2
	Nmot	kW	11	15	15	15	18.5	22	30	30	37	37
	Lp(A) sc		78	79	81	82	86	90	91	93	94	96
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	71	72	74
250	Q1	m³/min	21.0	23.1	25.3	27.5	34.0	42.7	47.0	51.4	55.7	60.1
	DT	°C	34	33	33	33	32	31	30	30	30	30
	Nsof	kW	11.5	12.5	13.6	14.8	18.3	23.6	26.6	29.7	33.0	36.6
	Nmot	kW	15	15	18.5	18.5	22	30	30	37	37	45
	Lp(A) sc		79	81	82	83	87	91	93	94	96	97
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	72	74	75
300	Q1	m³/min	20.3	22.5	24.6	26.8	33.3	42.0	46.4	50.7	55.1	59.4
	DT	°C	45	44	43	43	41	40	40	39	39	39
	Nsof	kW	13.6	14.9	16.2	17.5	21.6	27.6	30.9	34.4	38.1	42.0
	Nmot	kW	18.5	18.5	18.5	22	30	37	37	45	45	55
	Lp(A) sc		80	82	83	85	88	92	94	96	97	98
	Lp(A) cc		<70	<70	<70	<70	<70	70	72	74	75	76
350	Q1	m³/min	19.6	21.8	23.9	26.1	32.6	41.3	45.7	50.0	54.4	58.7
	DT	°C	59	57	56	55	53	51	50	50	49	49
	Nsof	kW	15.8	17.2	18.7	20.2	24.9	31.6	35.3	39.1	43.2	47.5
	Nmot	kW	18.5	22	22	30	30	37	45	45	55	55
	Lp(A) sc		82	84	85	86	90	94	95	97	99	100
	Lp(A) cc		<70	<70	<70	<70	<70	72	73	75	77	78
400	Q1	m³/min	18.9	21.0	23.2	25.4	31.9	40.6	44.9	49.3	53.6	58.0
	DT	°C	75	73	72	70	67	64	63	63	62	61
	Nsof	kW	18.0	19.6	21.2	22.9	28.1	35.6	39.6	43.8	48.2	52.9
	Nmot	kW	22	22	30	30	37	45	45	55	55	75
	Lp(A) sc		84	85	87	88	92	95	97	99	100	101
	Lp(A) cc		<70	<70	<70	<70	<70	73	75	77	78	79
450	Q1	m³/min	18.1	20.3	22.4	24.6	31.1	39.8	44.2	48.5	52.9	57.2
	DT	°C	96	93	91	89	84	80	79	78	77	76
	Nsof	kW	20.2	22.0	23.8	25.6	31.4	39.6	44.0	48.5	53.3	58.3
	Nmot	kW	30	30	30	30	37	45	55	55	75	75
	Lp(A) sc		85	87	88	90	93	97	99	100	102	103
	Lp(A) cc		<70	<70	<70	<70	71	75	77	78	80	81
500	Q1	m³/min					30.3	39.0	43.3	47.7	52.0	56.4
	DT	°C					105	100	98	97	95	94
	Nsof	kW					34.6	43.6	48.3	53.2	58.4	63.8
	Nmot	kW					45	55	55	75	75	75
	Lp(A) sc						95	99	101	102	104	105
	Lp(A) cc						73	77	79	80	82	83
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 106

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles	4				2						
		rpm	1200	1300	1400	1500	1800	2200	2400	2600	2800	3000
300	Q1	m³/min	28.9	31.9	34.8	37.8	46.7	58.6	64.5	70.5	76.4	82.4
	DT	°C	31	30	30	29	28	28	27	27	27	27
	Nsof	kW	18.4	20.1	21.8	23.5	28.8	36.5	40.6	44.9	49.5	54.3
	Nmot	kW	22	30	30	30	37	45	55	55	75	75
	Lp(A) sc		82	83	85	86	89	93	95	97	98	99
	Lp(A) cc		<70	<70	<70	<70	<70	71	73	75	76	77
400	Q1	m³/min	27.9	30.8	33.8	36.8	45.7	57.6	63.5	69.4	75.4	81.3
	DT	°C	42	41	41	40	39	38	37	37	36	36
	Nsof	kW	24.4	26.5	28.7	30.9	37.7	47.4	52.5	57.8	63.3	69.1
	Nmot	kW	30	30	37	37	45	55	75	75	75	90
	Lp(A) sc		83	85	86	87	91	95	97	98	100	101
	Lp(A) cc		<70	<70	<70	<70	<70	73	75	76	78	79
500	Q1	m³/min	26.9	29.9	32.9	35.8	44.8	56.6	62.6	68.5	74.5	80.4
	DT	°C	55	53	52	51	49	48	47	47	46	46
	Nsof	kW	30.3	33.0	35.6	38.3	46.6	58.3	64.4	70.7	77.2	84.0
	Nmot	kW	37	37	45	45	55	75	75	90	90	110
	Lp(A) sc		84	86	87	89	92	96	98	100	101	102
	Lp(A) cc		<70	<70	<70	<70	70	74	76	78	79	80
600	Q1	m³/min	26.1	29.1	32.0	35.0	43.9	55.8	61.7	67.7	73.6	79.6
	DT	°C	68	66	64	63	60	58	57	57	56	56
	Nsof	kW	36.3	39.4	42.6	45.8	55.6	69.2	76.3	83.5	91.1	98.8
	Nmot	kW	45	45	55	55	75	90	90	110	110	110
	Lp(A) sc		86	87	89	90	94	98	99	101	102	104
	Lp(A) cc		<70	<70	<70	<70	72	76	77	79	80	82
700	Q1	m³/min	25.3	28.3	31.3	34.3	43.2	55.0	61.0	66.9	72.9	78.8
	DT	°C	81	79	77	75	72	69	68	67	66	65
	Nsof	kW	42.2	45.8	49.5	53.2	64.5	80.1	88.1	96.4	104.9	113.7
	Nmot	kW	55	55	75	75	75	90	110	110	132	132
	Lp(A) sc		87	89	90	91	95	99	101	102	104	105
	Lp(A) cc		<70	<70	<70	<70	73	77	79	80	82	83
800	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
900	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
1000	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 106

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4			2						
		rpm	1200	1300	1400	1500	1800	2200	2400	2600	2800	3000
200	Q1	m³/min	29.5	32.5	35.4	38.4	47.3	59.2	65.1	71.1	77.0	83.0
	DT	°C	25	24	24	24	23	23	23	22	22	22
	Nsof	kW	12.5	13.7	14.8	16.1	19.9	25.6	28.7	32.1	35.6	39.4
	Nmot	kW	15	18.5	18.5	18.5	30	30	37	37	45	45
	Lp(A) sc		81	82	84	85	89	93	94	96	97	99
	Lp(A) cc		<70	<70	<70	<70	<70	71	72	74	75	77
250	Q1	m³/min	28.5	31.5	34.5	37.5	46.4	58.2	64.2	70.1	76.1	82.0
	DT	°C	34	34	33	33	32	31	30	30	30	30
	Nsof	kW	15.5	16.9	18.3	19.8	24.4	31.1	34.7	38.5	42.6	46.8
	Nmot	kW	18.5	22	22	30	30	37	45	45	55	55
	Lp(A) sc		82	84	85	86	90	94	96	97	99	100
	Lp(A) cc		<70	<70	<70	<70	<70	72	74	75	77	78
300	Q1	m³/min	27.6	30.6	33.5	36.5	45.4	57.3	63.2	69.2	75.1	81.1
	DT	°C	45	44	44	43	41	40	40	39	39	39
	Nsof	kW	18.4	20.1	21.8	23.5	28.8	36.5	40.6	44.9	49.5	54.3
	Nmot	kW	22	30	30	30	37	45	55	55	75	75
	Lp(A) sc		83	85	86	88	91	95	97	99	100	101
	Lp(A) cc		<70	<70	<70	<70	<70	73	75	77	78	79
350	Q1	m³/min	26.6	29.6	32.6	35.5	44.5	56.3	62.3	68.2	74.2	80.1
	DT	°C	59	58	56	55	53	51	51	50	50	49
	Nsof	kW	21.4	23.3	25.2	27.2	33.3	41.9	46.6	51.4	56.4	61.7
	Nmot	kW	30	30	30	37	45	55	55	75	75	75
	Lp(A) sc		85	87	88	89	93	97	98	100	102	103
	Lp(A) cc		<70	<70	<70	<70	71	75	76	78	80	81
400	Q1	m³/min	25.6	28.6	31.6	34.5	43.5	55.3	61.3	67.2	73.2	79.1
	DT	°C	76	74	72	70	67	65	64	63	62	62
	Nsof	kW	24.4	26.5	28.7	30.9	37.7	47.4	52.5	57.8	63.3	69.1
	Nmot	kW	30	30	37	37	45	55	75	75	75	90
	Lp(A) sc		87	88	90	91	95	98	100	102	103	104
	Lp(A) cc		<70	<70	<70	<70	73	76	78	80	81	82
450	Q1	m³/min				33.5	42.4	54.3	60.2	66.1	72.1	78.0
	DT	°C				89	84	81	79	78	77	76
	Nsof	kW				34.6	42.2	52.8	58.4	64.2	70.3	76.5
	Nmot	kW				45	55	75	75	75	90	90
	Lp(A) sc					93	96	100	102	103	105	106
	Lp(A) cc					71	74	78	80	81	83	84
500	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 115

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4										2
	rpm		900	1000	1200	1400	1500	1600	1800	2000	2200	2400	
300	Q1	m³/min	23.4	26.6	33.1	39.6	42.8	46.1	52.6	59.0	65.5	72.0	
	DT	°C	31	30	29	28	28	28	28	27	27	27	
	Nsof	kW	15.3	17.1	21.0	25.2	27.4	29.7	34.6	39.8	45.5	51.7	
	Nmot	kW	18.5	22	30	30	37	37	45	45	55	75	
	Lp(A) sc		74	76	80	83	84	85	87	90	91	93	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	71	
400	Q1	m³/min	22.5	25.8	32.2	38.7	42.0	45.2	51.7	58.2	64.6	71.1	
	DT	°C	43	42	40	39	38	38	37	37	36	36	
	Nsof	kW	20.1	22.5	27.5	32.8	35.5	38.4	44.3	50.6	57.4	64.7	
	Nmot	kW	30	30	37	37	45	45	55	75	75	75	
	Lp(A) sc		75	77	81	84	85	87	89	91	93	95	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	71	73	
500	Q1	m³/min	21.7	25.0	31.5	37.9	41.2	44.4	50.9	57.4	63.9	70.3	
	DT	°C	55	54	51	49	49	48	47	47	46	46	
	Nsof	kW	25.0	27.9	34.0	40.4	43.6	47.0	54.0	61.4	69.3	77.7	
	Nmot	kW	30	37	45	45	55	55	75	75	90	90	
	Lp(A) sc		77	79	82	85	87	88	90	92	94	96	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	70	72	74	
600	Q1	m³/min	21.0	24.3	30.7	37.2	40.5	43.7	50.2	56.7	63.1	69.6	
	DT	°C	69	66	63	60	60	59	58	57	56	55	
	Nsof	kW	29.8	33.3	40.5	47.9	51.7	55.6	63.7	72.2	81.2	90.6	
	Nmot	kW	37	45	55	55	75	75	90	90	110	110	
	Lp(A) sc		78	80	84	87	88	89	92	94	96	97	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	72	74	75	
700	Q1	m³/min	20.4	23.6	30.1	36.6	39.8	43.1	49.5	56.0	62.5	69.0	
	DT	°C	83	79	75	72	71	70	68	67	66	65	
	Nsof	kW	34.7	38.7	47.0	55.5	59.8	64.3	73.5	83.0	93.1	103.6	
	Nmot	kW	45	45	55	75	75	90	90	110	132	132	
	Lp(A) sc		79	81	85	88	89	91	93	95	97	99	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	73	75	77	
800	Q1	m³/min	19.8	23.0	29.5	36.0	39.2	42.4	48.9	55.4	61.9	68.4	
	DT	°C	98	93	87	83	82	81	79	77	76	75	
	Nsof	kW	39.6	44.1	53.4	63.0	67.9	72.9	83.2	93.8	104.9	116.5	
	Nmot	kW	45	55	75	75	90	90	90	110	132	132	
	Lp(A) sc		81	83	86	89	91	92	94	96	98	100	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	72	74	76	78	
900	Q1	m³/min	19.2	22.4	28.9	35.4	38.6	41.9	48.4	54.8	61.3	67.8	
	DT	°C	113	107	100	95	94	92	90	88	86	85	
	Nsof	kW	44.4	49.5	59.9	70.6	76.0	81.6	92.9	104.6	116.8	129.5	
	Nmot	kW	55	75	75	90	90	90	110	132	132	160	
	Lp(A) sc		82	84	87	90	92	93	95	97	99	101	
	Lp(A) cc		<70	<70	<70	<70	<70	71	73	75	77	79	
1000	Q1	m³/min	18.7	21.9	28.4	34.9	38.1	41.3	47.8	54.3	60.8	67.3	
	DT	°C	129	122	113	108	105	104	101	99	97	96	
	Nsof	kW	49.3	54.9	66.4	78.2	84.1	90.2	102.6	115.4	128.7	142.5	
	Nmot	kW	55	75	75	90	110	110	132	132	160	160	
	Lp(A) sc		83	85	88	91	93	94	96	98	100	102	
	Lp(A) cc		<70	<70	<70	<70	71	72	74	76	78	80	



Performances

RBS 115

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4										2
	rpm		900	1000	1200	1400	1500	1600	1800	2000	2200	2400	
200	Q1	m³/min	23.9	27.2	33.6	40.1	43.4	46.6	53.1	59.6	66.0	72.5	
	DT	°C	25	25	24	23	23	23	23	22	22	22	
	Nsof	kW	10.4	11.7	14.6	17.7	19.3	21.1	24.9	29.0	33.7	38.8	
	Nmot	kW	15	15	18.5	22	22	30	30	37	45	45	
	Lp(A) sc		73	75	79	82	83	84	87	89	91	92	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	70	
250	Q1	m³/min	23.1	26.3	32.8	39.3	42.5	45.8	52.3	58.7	65.2	71.7	
	DT	°C	35	34	32	32	31	31	31	30	30	30	
	Nsof	kW	12.8	14.4	17.8	21.5	23.4	25.4	29.7	34.4	39.6	45.3	
	Nmot	kW	15	18.5	22	30	30	30	37	45	45	55	
	Lp(A) sc		74	76	80	83	84	86	88	90	92	94	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	72	
300	Q1	m³/min	22.3	25.5	32.0	38.5	41.7	45.0	51.5	57.9	64.4	70.9	
	DT	°C	46	45	43	41	41	41	40	39	39	39	
	Nsof	kW	15.3	17.1	21.0	25.2	27.4	29.7	34.6	39.8	45.5	51.7	
	Nmot	kW	18.5	22	30	30	37	37	45	45	55	75	
	Lp(A) sc		76	78	81	84	86	87	89	91	93	95	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	71	73	
350	Q1	m³/min	21.5	24.7	31.2	37.7	40.9	44.2	50.6	57.1	63.6	70.1	
	DT	°C	60	58	55	53	52	52	51	50	50	49	
	Nsof	kW	17.7	19.8	24.3	29.0	31.5	34.0	39.4	45.2	51.5	58.2	
	Nmot	kW	22	30	30	37	37	45	45	55	75	75	
	Lp(A) sc		77	79	83	86	87	89	91	93	95	96	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	71	73	74	
400	Q1	m³/min	20.6	23.9	30.3	36.8	40.1	43.3	49.8	56.3	62.7	69.2	
	DT	°C	77	74	70	67	66	65	64	63	62	61	
	Nsof	kW	20.1	22.5	27.5	32.8	35.5	38.4	44.3	50.6	57.4	64.7	
	Nmot	kW	30	30	37	37	45	45	55	75	75	75	
	Lp(A) sc		79	81	85	88	89	90	93	95	96	98	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	73	74	76	
450	Q1	m³/min	19.7	22.9	29.4	35.9	39.1	42.4	48.9	55.3	61.8	68.3	
	DT	°C	99	94	88	85	83	82	80	78	77	76	
	Nsof	kW	22.5	25.2	30.8	36.6	39.6	42.7	49.2	56.0	63.4	71.2	
	Nmot	kW	30	30	37	45	45	55	55	75	75	90	
	Lp(A) sc		81	83	86	89	91	92	94	96	98	100	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	72	74	76	78	
500	Q1	m³/min	18.7	22.0	28.4	34.9	38.2	41.4	47.9	54.4	60.8	67.3	
	DT	°C	127	120	112	106	104	102	99	97	96	94	
	Nsof	kW	25.0	27.9	34.0	40.4	43.6	47.0	54.0	61.4	69.3	77.7	
	Nmot	kW	30	37	45	45	55	55	75	75	90	90	
	Lp(A) sc		83	85	88	91	93	94	96	98	100	102	
	Lp(A) cc		<70	<70	<70	<70	71	72	74	76	78	80	
550	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												



Performances

RBS 125

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:
abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4										2
	rpm		900	1000	1200	1400	1500	1600	1800	2000	2200	2400	
300	Q1	m³/min	30.4	34.6	42.8	51.1	55.3	59.4	67.7	76.0	84.2	92.5	
	DT	°C	30	30	29	28	28	28	27	27	27	27	
	Nsof	kW	19.4	21.7	26.6	31.8	34.5	37.3	43.3	49.6	56.5	63.9	
	Nmot	kW	22	30	30	37	45	45	55	75	75	75	
	Lp(A) sc		77	79	83	86	87	88	90	93	94	96	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	71	72	74	
400	Q1	m³/min	29.4	33.5	41.8	50.1	54.2	58.4	66.6	74.9	83.2	91.5	
	DT	°C	42	41	39	38	38	38	37	37	36	36	
	Nsof	kW	25.6	28.6	34.9	41.5	44.9	48.4	55.7	63.4	71.7	80.5	
	Nmot	kW	30	37	45	55	55	55	75	75	90	90	
	Lp(A) sc		78	80	84	87	88	90	92	94	96	98	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	72	74	76	
500	Q1	m³/min	28.4	32.6	40.9	49.1	53.3	57.4	65.7	74.0	82.3	90.5	
	DT	°C	54	53	50	49	48	48	47	46	46	45	
	Nsof	kW	31.8	35.5	43.2	51.1	55.2	59.4	68.1	77.2	86.9	97.0	
	Nmot	kW	37	45	55	75	75	75	90	90	110	110	
	Lp(A) sc		80	82	85	88	90	91	93	95	97	99	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	73	75	77	
600	Q1	m³/min	27.6	31.7	40.0	48.3	52.4	56.6	64.9	73.1	81.4	89.7	
	DT	°C	67	65	62	60	59	58	57	56	55	55	
	Nsof	kW	38.0	42.4	51.5	60.8	65.6	70.5	80.5	91.0	102.0	113.6	
	Nmot	kW	45	55	75	75	75	90	90	110	132	132	
	Lp(A) sc		81	83	87	90	91	92	95	97	99	100	
	Lp(A) cc		<70	<70	<70	<70	<70	70	73	75	77	78	
700	Q1	m³/min	26.8	31.0	39.2	47.5	51.7	55.8	64.1	72.4	80.6	88.9	
	DT	°C	80	77	73	71	70	69	67	66	65	65	
	Nsof	kW	44.2	49.3	59.7	70.4	75.9	81.5	92.9	104.8	117.2	130.2	
	Nmot	kW	55	55	75	90	90	90	110	132	132	160	
	Lp(A) sc		82	84	88	91	92	94	96	98	100	102	
	Lp(A) cc		<70	<70	<70	<70	70	72	74	76	78	80	
800	Q1	m³/min	26.1	30.2	38.5	46.8	50.9	55.1	63.4	71.6	79.9	88.2	
	DT	°C	94	91	85	82	81	80	78	76	75	74	
	Nsof	kW	50.4	56.2	68.0	80.1	86.3	92.5	105.4	118.6	132.4	146.7	
	Nmot	kW	75	75	90	90	110	110	132	132	160	160	
	Lp(A) sc		84	86	89	92	94	95	97	99	101	103	
	Lp(A) cc		<70	<70	<70	70	72	73	75	77	79	81	
900	Q1	m³/min	25.4	29.6	37.8	46.1	50.3	54.4	62.7	71.0	79.2	87.5	
	DT	°C	109	104	98	93	92	91	88	87	85	84	
	Nsof	kW	56.6	63.1	76.3	89.8	96.6	103.6	117.8	132.4	147.6	163.3	
	Nmot	kW	75	75	90	110	110	132	132	160	160	200	
	Lp(A) sc		85	87	90	93	95	96	98	100	102	104	
	Lp(A) cc		<70	<70	<70	71	73	74	76	78	80	82	
1000	Q1	m³/min				45.5	49.6	53.8	62.0	70.3	78.6	86.9	
	DT	°C				105	103	102	99	97	96	95	
	Nsof	kW				99.4	107.0	114.6	130.2	146.2	162.8	179.8	
	Nmot	kW				110	132	132	160	160	200	200	
	Lp(A) sc					94	96	97	99	101	103	105	
	Lp(A) cc					72	74	75	77	79	81	83	



Performances

RBS 125

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:
abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4										2
	rpm		900	1000	1200	1400	1500	1600	1800	2000	2200	2400	
200	Q1	m³/min	31.0	35.2	43.5	51.7	55.9	60.0	68.3	76.6	84.9	93.1	
	DT	°C	25	24	24	23	23	23	22	22	22	22	
	Nsof	kW	13.2	14.8	18.3	22.1	24.2	26.3	30.8	35.8	41.3	47.4	
	Nmot	kW	15	18.5	22	30	30	30	37	45	55	55	
	Lp(A) sc		76	78	82	85	86	87	90	92	94	95	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	72	73	
250	Q1	m³/min	30.1	34.2	42.5	50.8	54.9	59.1	67.3	75.6	83.9	92.2	
	DT	°C	34	33	32	31	31	31	30	30	30	30	
	Nsof	kW	16.3	18.3	22.5	27.0	29.4	31.8	37.1	42.7	48.9	55.6	
	Nmot	kW	18.5	22	30	37	37	37	45	55	55	75	
	Lp(A) sc		77	79	83	86	87	89	91	93	95	97	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	71	73	75	
300	Q1	m³/min	29.1	33.3	41.5	49.8	54.0	58.1	66.4	74.7	82.9	91.2	
	DT	°C	45	44	42	41	41	40	40	39	39	38	
	Nsof	kW	19.4	21.7	26.6	31.8	34.5	37.3	43.3	49.6	56.5	63.9	
	Nmot	kW	22	30	30	37	45	45	55	75	75	75	
	Lp(A) sc		79	81	84	87	89	90	92	94	96	98	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	70	72	74	76	
350	Q1	m³/min	28.1	32.3	40.6	48.8	53.0	57.1	65.4	73.7	82.0	90.2	
	DT	°C	59	57	54	52	52	51	50	50	49	49	
	Nsof	kW	22.5	25.2	30.8	36.6	39.7	42.9	49.5	56.5	64.1	72.2	
	Nmot	kW	30	30	37	45	45	55	75	75	75	90	
	Lp(A) sc		80	82	86	89	90	92	94	96	98	99	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	72	74	76	77	
400	Q1	m³/min	27.1	31.3	39.5	47.8	52.0	56.1	64.4	72.7	80.9	89.2	
	DT	°C	75	72	69	66	65	65	63	62	61	61	
	Nsof	kW	25.6	28.6	34.9	41.5	44.9	48.4	55.7	63.4	71.7	80.5	
	Nmot	kW	30	37	45	55	55	55	75	75	90	90	
	Lp(A) sc		82	84	88	91	92	93	96	98	99	101	
	Lp(A) cc		<70	<70	<70	<70	<70	71	74	76	77	79	
450	Q1	m³/min	26.0	30.2	38.5	46.7	50.9	55.0	63.3	71.6	79.9	88.1	
	DT	°C	96	92	86	83	82	81	79	77	76	75	
	Nsof	kW	28.7	32.1	39.0	46.3	50.1	53.9	61.9	70.3	79.3	88.8	
	Nmot	kW	37	37	45	55	75	75	75	90	90	110	
	Lp(A) sc		84	86	89	92	94	95	97	99	101	103	
	Lp(A) cc		<70	<70	<70	70	72	73	75	77	79	81	
500	Q1	m³/min			37.3	45.6	49.7	53.8	62.1	70.4	78.7	87.0	
	DT	°C			109	104	102	100	98	96	94	93	
	Nsof	kW			43.2	51.1	55.2	59.4	68.1	77.2	86.9	97.0	
	Nmot	kW			55	75	75	75	90	90	110	110	
	Lp(A) sc				91	94	96	97	99	101	103	105	
	Lp(A) cc				<70	72	74	75	77	79	81	83	
550	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												



Performances

RBS 126

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4										2
	rpm		900	1000	1200	1400	1500	1600	1800	2000	2200	2400	
300	Q1	m³/min	41.9	47.8	59.6	71.4	77.3	83.2	95.1	106.9	118.7	130.5	
	DT	°C	31	31	30	29	28	28	28	27	27	27	
	Nsof	kW	27.4	30.7	37.4	44.5	48.2	51.9	59.8	68.2	77.1	86.7	
	Nmot	kW	37	37	45	55	55	75	75	90	90	110	
	Lp(A) sc		80	82	86	89	90	91	93	96	97	99	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	74	75	77	
400	Q1	m³/min	40.1	46.0	57.8	69.7	75.6	81.5	93.3	105.1	116.9	128.8	
	DT	°C	44	42	41	39	39	38	38	37	37	36	
	Nsof	kW	36.3	40.5	49.2	58.3	62.9	67.7	77.6	87.9	98.8	110.3	
	Nmot	kW	45	55	55	75	75	90	90	110	110	132	
	Lp(A) sc		81	83	87	90	91	93	95	97	99	101	
	Lp(A) cc		<70	<70	<70	<70	<70	71	73	75	77	79	
500	Q1	m³/min	38.6	44.5	56.3	68.1	74.0	79.9	91.8	103.6	115.4	127.2	
	DT	°C	57	55	52	50	49	49	48	47	47	46	
	Nsof	kW	45.2	50.4	61.1	72.1	77.7	83.5	95.3	107.6	120.5	134.0	
	Nmot	kW	55	75	75	90	90	110	110	132	132	160	
	Lp(A) sc		83	85	88	91	93	94	96	98	100	102	
	Lp(A) cc		<70	<70	<70	<70	71	72	74	76	78	80	
600	Q1	m³/min	37.2	43.1	54.9	66.7	72.6	78.5	90.4	102.2	114.0	125.8	
	DT	°C	71	68	64	61	61	60	58	57	57	56	
	Nsof	kW	54.0	60.2	72.9	85.9	92.5	99.2	113.0	127.3	142.2	157.6	
	Nmot	kW	75	75	90	110	110	110	132	160	160	200	
	Lp(A) sc		84	86	90	93	94	95	98	100	102	103	
	Lp(A) cc		<70	<70	<70	71	72	73	76	78	80	81	
700	Q1	m³/min	35.9	41.8	53.6	65.4	71.3	77.3	89.1	100.9	112.7	124.5	
	DT	°C	86	82	77	73	72	71	69	68	67	66	
	Nsof	kW	62.9	70.1	84.7	99.7	107.3	115.0	130.8	147.0	163.8	181.2	
	Nmot	kW	75	90	110	110	132	132	160	160	200	200	
	Lp(A) sc		85	87	91	94	95	97	99	101	103	105	
	Lp(A) cc		<70	<70	<70	72	73	75	77	79	81	83	
800	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												
900	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												
1000	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												



Performances

RBS 126

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4										2
	rpm		900	1000	1200	1400	1500	1600	1800	2000	2200	2400	
200	Q1	m³/min	42.9	48.8	60.6	72.4	78.3	84.2	96.1	107.9	119.7	131.5	
	DT	°C	26	25	24	24	23	23	23	23	22	22	
	Nsof	kW	18.6	20.8	25.6	30.7	33.4	36.2	42.1	48.5	55.5	63.0	
	Nmot	kW	22	30	30	37	45	45	55	55	75	75	
	Lp(A) sc		79	81	85	88	89	90	93	95	97	98	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	73	75	76	
250	Q1	m³/min	41.3	47.2	59.0	70.8	76.7	82.6	94.5	106.3	118.1	129.9	
	DT	°C	35	34	33	32	32	31	31	31	30	30	
	Nsof	kW	23.0	25.8	31.5	37.6	40.8	44.1	51.0	58.4	66.3	74.9	
	Nmot	kW	30	30	37	45	55	55	75	75	75	90	
	Lp(A) sc		80	82	86	89	90	92	94	96	98	100	
	Lp(A) cc		<70	<70	<70	<70	<70	<70	72	74	76	78	
300	Q1	m³/min	39.7	45.6	57.4	69.2	75.1	81.1	92.9	104.7	116.5	128.3	
	DT	°C	47	46	44	42	42	41	40	40	39	39	
	Nsof	kW	27.4	30.7	37.4	44.5	48.2	51.9	59.8	68.2	77.1	86.7	
	Nmot	kW	37	37	45	55	55	75	75	90	90	110	
	Lp(A) sc		82	84	87	90	92	93	95	97	99	101	
	Lp(A) cc		<70	<70	<70	<70	<70	71	73	75	77	79	
350	Q1	m³/min	38.1	44.0	55.8	67.6	73.5	79.4	91.3	103.1	114.9	126.7	
	DT	°C	62	59	56	54	53	53	52	51	50	49	
	Nsof	kW	31.9	35.6	43.3	51.4	55.6	59.8	68.7	78.1	88.0	98.5	
	Nmot	kW	37	45	55	75	75	75	90	90	110	110	
	Lp(A) sc		83	85	89	92	93	95	97	99	101	102	
	Lp(A) cc		<70	<70	<70	<70	71	73	75	77	79	80	
400	Q1	m³/min	36.4	42.3	54.1	65.9	71.8	77.7	89.6	101.4	113.2	125.0	
	DT	°C	80	76	72	69	67	66	65	64	63	62	
	Nsof	kW	36.3	40.5	49.2	58.3	62.9	67.7	77.6	87.9	98.8	110.3	
	Nmot	kW	45	55	55	75	75	90	90	110	110	132	
	Lp(A) sc		85	87	91	94	95	96	99	101	102	104	
	Lp(A) cc		<70	<70	<70	72	73	74	77	79	80	82	
450	Q1	m³/min				64.1	70.0	76.0	87.8	99.6	111.4	123.2	
	DT	°C				86	85	83	81	79	78	77	
	Nsof	kW				65.2	70.3	75.6	86.4	97.8	109.7	122.1	
	Nmot	kW				75	90	90	110	110	132	132	
	Lp(A) sc					95	97	98	100	102	104	106	
	Lp(A) cc					73	75	76	78	80	82	84	
500	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												
550	Q1	m³/min											
	DT	°C											
	Nsof	kW											
	Nmot	kW											
	Lp(A) sc												
	Lp(A) cc												



Performances

RBS 135

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4									
	rpm		900	1100	1300	1400	1500	1600	1700	1800	1900	2000
300	Q1	m³/min	45.5	57.5	69.5	75.5	81.5	87.5	93.5	99.5	105.5	111.5
	DT	°C	29	28	28	28	27	27	27	27	27	27
	Nsof	kW	28.2	35.3	42.7	46.7	50.7	55.0	59.4	63.9	68.7	73.6
	Nmot	kW	37	45	55	55	75	75	75	75	90	90
	Lp(A) sc		78	82	85	87	88	89	90	91	92	94
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	70	72
400	Q1	m³/min	44.2	56.2	68.2	74.2	80.2	86.2	92.2	98.2	104.2	110.2
	DT	°C	40	39	38	37	37	37	37	36	36	36
	Nsof	kW	37.2	46.3	55.7	60.7	65.7	71.0	76.4	81.9	87.7	93.6
	Nmot	kW	45	55	75	75	75	90	90	90	110	110
	Lp(A) sc		79	83	87	88	89	91	92	93	94	95
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	71	72	73
500	Q1	m³/min	43.1	55.1	67.1	73.1	79.1	85.1	91.1	97.1	103.1	109.1
	DT	°C	52	50	48	47	47	47	46	46	46	45
	Nsof	kW	46.2	57.3	68.7	74.7	80.7	87.0	93.4	99.9	106.7	113.6
	Nmot	kW	55	75	90	90	90	110	110	110	132	132
	Lp(A) sc		81	85	88	89	91	92	93	94	95	96
	Lp(A) cc		<70	<70	<70	<70	<70	70	71	72	73	74
600	Q1	m³/min	42.0	54.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0
	DT	°C	64	61	59	58	57	57	56	56	55	55
	Nsof	kW	55.2	68.3	81.7	88.7	95.7	103.0	110.4	117.9	125.7	133.6
	Nmot	kW	75	90	90	110	110	132	132	132	160	160
	Lp(A) sc		82	86	89	91	92	93	95	96	97	98
	Lp(A) cc		<70	<70	<70	<70	70	71	73	74	75	76
700	Q1	m³/min	41.1	53.1	65.1	71.1	77.1	83.1	89.1	95.1	101.1	107.1
	DT	°C	76	72	69	68	68	67	66	66	65	65
	Nsof	kW	64.2	79.3	94.7	102.7	110.7	119.0	127.4	135.9	144.7	153.6
	Nmot	kW	75	90	110	132	132	132	160	160	160	200
	Lp(A) sc		83	87	91	92	93	95	96	97	98	99
	Lp(A) cc		<70	<70	<70	70	71	73	74	75	76	77
800	Q1	m³/min	40.2	52.2	64.2	70.2	76.2	82.2	88.2	94.2	100.2	106.2
	DT	°C	89	84	80	79	78	77	76	76	75	75
	Nsof	kW	73.2	90.3	107.7	116.7	125.7	135.0	144.4	153.9	163.7	173.6
	Nmot	kW	90	110	132	132	160	160	160	200	200	200
	Lp(A) sc		85	89	92	93	95	96	97	98	99	100
	Lp(A) cc		<70	<70	<70	71	73	74	75	76	77	78
900	Q1	m³/min	39.4	51.4	63.4	69.4	75.4	81.4	87.4	93.4	99.4	105.4
	DT	°C	102	96	92	90	89	88	87	86	85	85
	Nsof	kW	82.2	101.3	120.7	130.7	140.7	151.0	161.4	171.9	182.7	193.6
	Nmot	kW	90	110	132	160	160	200	200	200	200	250
	Lp(A) sc		86	90	93	94	96	97	98	99	100	101
	Lp(A) cc		<70	<70	71	72	74	75	76	77	78	79
1000	Q1	m³/min	38.6	50.6	62.6	68.6	74.6	80.6	86.6	92.6	98.6	104.6
	DT	°C	116	108	103	101	100	98	97	96	96	95
	Nsof	kW	91.2	112.3	133.7	144.7	155.7	167.0	178.4	189.9	201.7	213.6
	Nmot	kW	110	132	160	160	200	200	200	250	250	250
	Lp(A) sc		87	91	94	95	97	98	99	100	101	102
	Lp(A) cc		<70	<70	72	73	75	76	77	78	79	80



Performances

RBS 135

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4									
	rpm		900	1100	1300	1400	1500	1600	1700	1800	1900	2000
200	Q1	m³/min	46.3	58.3	70.3	76.3	82.3	88.3	94.3	100.3	106.3	112.3
	DT	°C	24	23	23	23	23	22	22	22	22	22
	Nsof	kW	19.2	24.3	29.7	32.7	35.7	39.0	42.4	45.9	49.7	53.6
	Nmot	kW	22	30	37	37	45	45	55	55	75	75
	Lp(A) sc		77	81	84	86	87	88	90	91	92	93
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	<70	71
250	Q1	m³/min	45.1	57.1	69.1	75.1	81.1	87.1	93.1	99.1	105.1	111.1
	DT	°C	33	32	31	31	30	30	30	30	30	30
	Nsof	kW	23.7	29.8	36.2	39.7	43.2	47.0	50.9	54.9	59.2	63.6
	Nmot	kW	30	37	45	45	55	55	75	75	75	75
	Lp(A) sc		78	82	86	87	88	90	91	92	93	94
	Lp(A) cc		<70	<70	<70	<70	<70	<70	<70	<70	71	72
300	Q1	m³/min	43.9	55.9	67.9	73.9	79.9	85.9	91.9	97.9	103.9	109.9
	DT	°C	43	42	40	40	40	39	39	39	39	38
	Nsof	kW	28.2	35.3	42.7	46.7	50.7	55.0	59.4	63.9	68.7	73.6
	Nmot	kW	37	45	55	55	75	75	75	75	90	90
	Lp(A) sc		80	84	87	88	90	91	92	93	94	95
	Lp(A) cc		<70	<70	<70	<70	<70	<70	70	71	72	73
350	Q1	m³/min	42.7	54.7	66.7	72.7	78.7	84.7	90.7	96.7	102.7	108.7
	DT	°C	56	53	52	51	51	50	50	49	49	49
	Nsof	kW	32.7	40.8	49.2	53.7	58.2	63.0	67.9	72.9	78.2	83.6
	Nmot	kW	37	55	55	75	75	75	90	90	90	110
	Lp(A) sc		81	85	89	90	91	93	94	95	96	97
	Lp(A) cc		<70	<70	<70	<70	<70	71	72	73	74	75
400	Q1	m³/min	41.5	53.5	65.5	71.5	77.5	83.5	89.5	95.5	101.5	107.5
	DT	°C	71	67	65	64	63	63	62	62	61	61
	Nsof	kW	37.2	46.3	55.7	60.7	65.7	71.0	76.4	81.9	87.7	93.6
	Nmot	kW	45	55	75	75	75	90	90	90	110	110
	Lp(A) sc		83	87	90	92	93	94	95	97	98	99
	Lp(A) cc		<70	<70	<70	<70	71	72	73	75	76	77
450	Q1	m³/min	40.1	52.1	64.1	70.1	76.1	82.1	88.1	94.1	100.1	106.1
	DT	°C	90	85	81	80	79	78	77	77	76	76
	Nsof	kW	41.7	51.8	62.2	67.7	73.2	79.0	84.9	90.9	97.2	103.6
	Nmot	kW	55	75	75	90	90	90	110	110	110	132
	Lp(A) sc		85	89	92	93	95	96	97	98	99	100
	Lp(A) cc		<70	<70	<70	71	73	74	75	76	77	78
500	Q1	m³/min	38.7	50.7	62.7	68.7	74.7	80.7	86.7	92.7	98.7	104.7
	DT	°C	114	106	102	100	98	97	96	95	94	94
	Nsof	kW	46.2	57.3	68.7	74.7	80.7	87.0	93.4	99.9	106.7	113.6
	Nmot	kW	55	75	90	90	90	110	110	110	132	132
	Lp(A) sc		87	91	94	95	97	98	99	100	101	102
	Lp(A) cc		<70	<70	72	73	75	76	77	78	79	80
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 145

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4									
	rpm		900	1100	1300	1400	1500	1600	1700	1800	1900	2000
300	Q1	m³/min	66.0	83.4	100.9	109.6	118.4	127.1	135.8	144.6	153.3	162.0
	DT	°C	30	29	28	28	27	27	27	27	27	27
	Nsof	kW	40.8	50.8	61.4	66.9	72.6	78.4	84.5	90.8	97.3	104.1
	Nmot	kW	55	75	75	75	90	90	110	110	110	132
	Lp(A) sc		81	85	88	90	91	92	93	94	95	97
	Lp(A) cc		<70	<70	<70	<70	<70	70	71	72	73	75
400	Q1	m³/min	64.0	81.5	99.0	107.7	116.4	125.1	133.9	142.6	151.3	160.1
	DT	°C	41	39	38	38	37	37	37	36	36	36
	Nsof	kW	53.9	66.8	80.3	87.2	94.4	101.7	109.3	117.0	125.0	133.2
	Nmot	kW	75	75	90	110	110	132	132	132	160	160
	Lp(A) sc		82	86	90	91	92	94	95	96	97	98
	Lp(A) cc		<70	<70	<70	<70	70	72	73	74	75	76
500	Q1	m³/min	62.3	79.8	97.2	106.0	114.7	123.4	132.2	140.9	149.6	158.4
	DT	°C	52	50	48	48	47	47	46	46	46	46
	Nsof	kW	67.0	82.8	99.2	107.6	116.2	125	134.0	143.2	152.6	162.3
	Nmot	kW	75	90	110	132	132	160	160	160	200	200
	Lp(A) sc		84	88	91	92	94	95	96	97	98	99
	Lp(A) cc		<70	<70	<70	70	72	73	74	75	76	77
600	Q1	m³/min	60.8	78.2	95.7	104.4	113.2	121.9	130.6	139.3	148.1	156.8
	DT	°C	64	61	59	58	57	57	56	56	56	55
	Nsof	kW	80.1	98.8	118.1	128.0	138.0	148.3	158.7	169.4	180.3	191.4
	Nmot	kW	90	110	132	160	160	200	200	200	200	250
	Lp(A) sc		85	89	92	94	95	96	98	99	100	101
	Lp(A) cc		<70	<70	70	72	73	74	76	77	78	79
700	Q1	m³/min	59.3	76.8	94.3	103.0	111.7	120.5	129.2	137.9	146.6	155.4
	DT	°C	77	72	70	69	68	67	66	66	65	65
	Nsof	kW	93.2	114.8	137.0	148.4	159.9	171.6	183.5	195.6	207.9	220.5
	Nmot	kW	110	132	160	200	200	200	200	250	250	250
	Lp(A) sc		86	90	94	95	96	98	98	100	101	102
	Lp(A) cc		<70	<70	72	73	74	76	77	78	79	80
800	Q1	m³/min	58.0	75.5	92.9	101.7	110.4	119.1	127.9	136.6	145.3	154.0
	DT	°C	90	84	81	79	78	78	77	76	75	75
	Nsof	kW	106.3	130.8	155.9	168.7	181.7	194.8	208.2	221.8	235.6	249.6
	Nmot	kW	132	160	200	200	200	250	250	250	315	315
	Lp(A) sc		88	92	95	96	98	99	100	101	102	103
	Lp(A) cc		<70	<70	73	74	76	77	78	79	80	81
900	Q1	m³/min	56.8	74.2	91.7	100.4	109.2	117.9	126.6	135.3	144.1	152.8
	DT	°C	103	96	92	91	89	88	87	86	86	85
	Nsof	kW	119.4	146.8	174.8	189.1	203.5	218.1	232.9	248.0	263.2	278.7
	Nmot	kW	132	160	200	250	250	250	315	315	315	315
	Lp(A) sc		89	93	96	97	99	100	101	102	103	104
	Lp(A) cc		<70	71	74	75	77	78	79	80	81	82
1000	Q1	m³/min		73.1	90.5	99.2	108.0	116.7	125.4	134.2	142.9	151.6
	DT	°C		109	104	102	100	99	98	97	96	95
	Nsof	kW		162.8	193.8	209.5	225.3	241.4	257.7	274.1	290.9	307.8
	Nmot	kW		200	250	250	250	315	315	315	315	355
	Lp(A) sc			94	97	98	100	101	102	103	104	105
	Lp(A) cc			72	75	76	78	79	80	81	82	83



Performances

RBS 145

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4									
	rpm		900	1100	1300	1400	1500	1600	1700	1800	1900	2000
200	Q1	m³/min	67.1	84.6	102.0	110.7	119.5	128.2	136.9	145.7	154.4	163.1
	DT	°C	24	23	23	23	23	22	22	22	22	22
	Nsof	kW	27.7	34.8	42.4	46.5	50.7	55.2	59.8	64.6	69.7	75.0
	Nmot	kW	37	45	55	55	75	75	75	75	90	90
	Lp(A) sc		80	84	87	89	90	91	93	94	95	96
	Lp(A) cc		<70	<70	<70	<70	<70	<70	71	72	73	74
250	Q1	m³/min	65.3	82.8	100.3	109.0	117.7	126.4	135.2	143.9	152.6	161.4
	DT	°C	33	32	31	31	31	30	30	30	30	30
	Nsof	kW	34.3	42.8	51.9	56.7	61.7	66.8	72.2	77.7	83.5	89.6
	Nmot	kW	45	55	75	75	75	75	90	90	110	110
	Lp(A) sc		81	85	89	90	91	93	94	95	96	97
	Lp(A) cc		<70	<70	<70	<70	<70	71	72	73	74	75
300	Q1	m³/min	63.6	81.0	98.5	107.2	115.9	124.7	133.4	142.1	150.9	159.6
	DT	°C	44	42	41	40	40	39	39	39	39	39
	Nsof	kW	40.8	50.8	61.4	66.9	72.6	78.4	84.5	90.8	97.3	104.1
	Nmot	kW	55	75	75	75	90	90	110	110	110	132
	Lp(A) sc		83	87	90	91	93	94	95	96	97	98
	Lp(A) cc		<70	<70	<70	<70	71	72	73	74	75	76
350	Q1	m³/min	61.8	79.2	96.7	105.4	114.1	122.9	131.6	140.3	149.1	157.8
	DT	°C	56	54	52	51	51	50	50	49	49	49
	Nsof	kW	47.4	58.8	70.8	77.1	83.5	90.1	96.9	103.9	111.2	118.7
	Nmot	kW	55	75	90	90	110	110	110	132	132	132
	Lp(A) sc		84	88	92	93	94	96	97	98	99	100
	Lp(A) cc		<70	<70	<70	71	72	74	75	76	77	78
400	Q1	m³/min	59.9	77.3	94.8	103.5	112.3	121.0	129.7	138.5	147.2	155.9
	DT	°C	72	68	65	64	64	63	62	62	62	61
	Nsof	kW	53.9	66.8	80.3	87.2	94.4	101.7	109.3	117.0	125.0	133.2
	Nmot	kW	75	75	90	110	110	132	132	132	160	160
	Lp(A) sc		86	90	93	95	96	97	98	100	101	102
	Lp(A) cc		<70	<70	71	73	74	75	76	78	79	80
450	Q1	m³/min	57.9	75.4	92.8	101.5	110.3	119.0	127.7	136.5	145.2	153.9
	DT	°C	91	85	82	81	79	79	78	77	76	76
	Nsof	kW	60.5	74.8	89.7	97.4	105.3	113.4	121.6	130.1	138.8	147.8
	Nmot	kW	75	90	110	110	132	132	132	160	160	160
	Lp(A) sc		88	92	95	96	98	99	100	101	102	103
	Lp(A) cc		<70	<70	73	74	76	77	78	79	80	81
500	Q1	m³/min		73.2	90.7	99.4	108.1	116.8	125.6	134.3	143.0	151.8
	DT	°C		107	102	100	99	98	96	95	95	94
	Nsof	kW		82.8	99.2	107.6	116.2	125.0	134.0	143.2	152.6	162.3
	Nmot	kW		90	110	132	132	160	160	160	200	200
	Lp(A) sc			94	97	98	100	101	102	103	104	105
	Lp(A) cc			72	75	76	78	79	80	81	82	83
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 155

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4									
	rpm		900	1100	1300	1400	1500	1600	1700	1800	1900	2000
300	Q1	m³/min	83.4	104.8	126.3	137.1	147.8	158.5	169.3	180.0	190.8	201.5
	DT	°C	29	28	27	27	27	27	27	27	27	26
	Nsof	kW	50.1	62.3	75.1	81.8	88.7	95.8	103.1	110.7	118.5	126.6
	Nmot	kW	75	75	90	90	110	110	132	132	132	160
	Lp(A) sc		84	88	91	93	94	95	96	97	98	100
	Lp(A) cc		<70	<70	<70	71	72	73	74	75	76	78
400	Q1	m³/min	81.3	102.8	124.3	135.0	145.7	156.5	167.2	178.0	188.7	199.4
	DT	°C	39	38	37	37	37	36	36	36	36	36
	Nsof	kW	66.2	82.0	98.4	106.8	115.5	124.4	133.5	142.9	152.5	162.4
	Nmot	kW	75	90	110	132	132	160	160	160	200	200
	Lp(A) sc		85	89	93	94	95	97	98	99	100	101
	Lp(A) cc		<70	<70	71	72	73	75	76	77	78	79
500	Q1	m³/min	79.5	101.0	122.4	133.2	143.9	154.7	165.4	176.1	186.9	197.6
	DT	°C	50	48	47	47	46	46	46	45	45	45
	Nsof	kW	82.3	101.6	121.6	131.9	142.4	153.0	163.9	175.1	186.5	198.2
	Nmot	kW	90	110	132	160	160	200	200	200	250	250
	Lp(A) sc		87	91	94	95	97	98	99	100	101	102
	Lp(A) cc		<70	<70	72	73	75	76	77	78	79	80
600	Q1	m³/min	77.8	99.3	120.8	131.5	142.3	153.0	163.8	174.5	185.2	196.0
	DT	°C	62	59	57	57	56	56	55	55	55	54
	Nsof	kW	98.4	121.3	144.9	156.9	169.2	181.7	194.4	207.3	220.5	234.0
	Nmot	kW	110	132	160	200	200	200	250	250	250	315
	Lp(A) sc		88	92	95	97	98	99	101	102	103	104
	Lp(A) cc		<70	70	73	75	76	77	79	80	81	82
700	Q1	m³/min	76.3	97.8	119.3	130.0	140.8	151.5	162.3	173.0	183.7	194.5
	DT	°C	73	70	68	67	66	66	65	65	64	64
	Nsof	kW	114.5	141.0	168.2	182.0	196.1	210.3	224.8	239.5	254.5	269.8
	Nmot	kW	132	160	200	200	250	250	250	315	315	315
	Lp(A) sc		89	93	97	98	99	101	102	103	104	105
	Lp(A) cc		<70	71	75	76	77	79	80	81	82	83
800	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
900	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
1000	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 155

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		4									
	rpm		900	1100	1300	1400	1500	1600	1700	1800	1900	2000
200	Q1	m³/min	84.5	106.0	127.5	138.2	149.0	159.7	170.5	181.2	191.9	202.7
	DT	°C	24	23	23	22	22	22	22	22	22	22
	Nsof	kW	34.0	42.6	51.8	56.7	61.8	67.1	72.7	78.4	84.5	90.8
	Nmot	kW	45	55	75	75	75	75	90	90	110	110
	Lp(A) sc		83	87	90	92	93	94	96	97	98	99
	Lp(A) cc		<70	<70	<70	<70	71	72	74	75	76	77
250	Q1	m³/min	82.7	104.1	125.6	136.4	147.1	157.8	168.6	179.3	190.1	200.8
	DT	°C	32	31	30	30	30	30	30	30	29	29
	Nsof	kW	42.0	52.4	63.4	69.2	75.2	81.4	87.9	94.5	101.5	108.7
	Nmot	kW	55	75	75	90	90	90	110	110	110	132
	Lp(A) sc		84	88	92	93	94	96	97	98	99	100
	Lp(A) cc		<70	<70	<70	71	72	74	75	76	77	78
300	Q1	m³/min	80.8	102.3	123.8	134.5	145.2	156.0	166.7	177.5	188.2	198.9
	DT	°C	42	41	40	39	39	39	39	38	38	38
	Nsof	kW	50.1	62.3	75.1	81.8	88.7	95.8	103.1	110.7	118.5	126.6
	Nmot	kW	75	75	90	90	110	110	132	132	132	160
	Lp(A) sc		86	90	93	94	96	97	98	99	100	101
	Lp(A) cc		<70	<70	71	72	74	75	76	77	78	79
350	Q1	m³/min	78.9	100.4	121.9	132.6	143.3	154.1	164.8	175.6	186.3	197.0
	DT	°C	54	52	51	50	50	49	49	49	48	48
	Nsof	kW	58.1	72.1	86.7	94.3	102.1	110.1	118.3	126.8	135.5	144.5
	Nmot	kW	75	90	110	110	132	132	132	160	160	160
	Lp(A) sc		87	91	95	96	97	99	100	101	102	103
	Lp(A) cc		<70	<70	73	74	75	77	78	79	80	81
400	Q1	m³/min	76.9	98.4	119.9	130.6	141.4	152.1	162.8	173.6	184.3	195.1
	DT	°C	69	66	64	63	62	62	61	61	60	60
	Nsof	kW	66.2	82.0	98.4	106.8	115.5	124.4	133.5	142.9	152.5	162.4
	Nmot	kW	75	90	110	132	132	160	160	160	200	200
	Lp(A) sc		89	93	96	98	99	100	101	103	104	105
	Lp(A) cc		<70	71	74	76	77	78	79	81	82	83
450	Q1	m³/min	74.8	96.3	117.8	128.5	139.2	150.0	160.7	171.5	182.2	192.9
	DT	°C	86	82	79	78	77	77	76	75	75	74
	Nsof	kW	74.2	91.8	110.0	119.4	128.9	138.7	148.7	159.0	169.5	180.3
	Nmot	kW	90	110	132	132	160	160	200	200	200	200
	Lp(A) sc		91	95	98	99	101	102	103	104	105	106
	Lp(A) cc		<70	73	76	77	79	80	81	82	83	84
500	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 165

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:
abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		6			4						
	rpm											
300	Q1	m³/min	650	700	800	900	1000	1100	1200	1300	1400	1500
	DT	°C	72.6	79.4	92.9	106.4	119.9	133.4	146.9	160.4	173.9	187.4
	Nsof	kW	30	30	29	28	28	28	27	27	27	27
	Nmot	kW	50.4	54.3	62.0	69.8	77.5	85.3	93.0	100.8	108.5	116.3
	Lp(A) sc		75	75	75	90	90	110	110	110	132	132
	Lp(A) cc		85	86	89	91	93	95	97	98	100	101
400	Q1	m³/min	<70	<70	<70	<70	71	73	75	76	78	79
	DT	°C	70.3	77.1	90.6	104.1	117.6	131.1	144.6	158.1	171.6	185.1
	Nsof	kW	41	41	39	39	38	37	37	37	36	36
	Nmot	kW	65.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
	Lp(A) sc		75	90	90	110	110	132	132	160	160	200
	Lp(A) cc		86	88	90	92	94	96	98	100	101	102
500	Q1	m³/min	<70	<70	<70	70	72	74	76	78	79	80
	DT	°C	68.3	75.0	88.5	102.0	115.5	129.0	142.5	156.0	169.5	183.0
	Nsof	kW	53	52	50	49	48	48	47	46	46	46
	Nmot	kW	79.6	85.8	98.0	110.3	122.5	134.8	147.0	159.3	171.5	183.8
	Lp(A) sc		90	110	110	132	160	160	160	200	200	200
	Lp(A) cc		87	89	92	94	96	98	99	101	102	104
600	Q1	m³/min	<70	<70	<70	72	74	76	77	79	80	82
	DT	°C	66.4	73.1	86.6	100.1	113.6	127.1	140.6	154.1	167.6	181.1
	Nsof	kW	66	64	62	60	59	58	57	56	56	55
	Nmot	kW	94.3	101.5	116.0	130.5	145.0	159.5	174.0	188.5	203.0	217.5
	Lp(A) sc		110	110	132	160	160	200	200	250	250	250
	Lp(A) cc		89	90	93	95	97	99	101	102	104	105
700	Q1	m³/min	<70	<70	71	73	75	77	79	80	82	83
	DT	°C	64.7	71.4	84.9	98.4	111.9	125.4	138.9	152.4	165.9	179.4
	Nsof	kW	78	77	74	71	70	68	67	67	66	65
	Nmot	kW	108.9	117.3	134.0	150.8	167.5	184.3	201.0	217.8	234.5	251.3
	Lp(A) sc		132	132	160	200	200	200	250	250	315	315
	Lp(A) cc		90	92	94	96	98	100	102	104	105	106
800	Q1	m³/min	<70	<70	72	74	76	78	80	82	83	84
	DT	°C	63.1	69.8	83.3	96.8	110.3	123.8	137.3	150.8	164.3	177.8
	Nsof	kW	92	89	86	83	81	79	78	77	76	75
	Nmot	kW	123.5	133.0	152.0	171.0	190.0	209.0	228.0	247.0	266.0	285.0
	Lp(A) sc		160	160	200	200	250	250	250	315	315	315
	Lp(A) cc		91	93	95	98	100	102	103	105	106	108
900	Q1	m³/min	<70	71	73	76	78	80	81	83	84	85
	DT	°C	61.6	68.3	81.8	95.3	108.8	122.3	135.8	149.3	162.8	176.3
	Nsof	kW	106	103	98	95	92	90	89	87	86	85
	Nmot	kW	138.1	148.8	170.0	191.3	212.5	233.8	255.0	276.3	297.5	318.8
	Lp(A) sc		160	200	200	250	250	315	315	315	355	355
	Lp(A) cc		92	94	96	99	101	103	104	106	107	109
1000	Q1	m³/min	70	72	74	77	79	81	82	84	85	85
	DT	°C	60.2	66.9	80.4	93.9	107.4	120.9	134.4	147.9	161.4	174.9
	Nsof	kW	121	117	111	107	104	101	100	98	97	96
	Nmot	kW	152.8	164.5	188.0	211.5	235.0	258.5	282.0	305.5	329.0	352.5
	Lp(A) sc		200	200	250	250	315	315	315	355	400	400
	Lp(A) cc		93	95	98	100	102	104	105	107	108	110



Performances

RBS 165

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:
abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		6			4						
	rpm											
200	Q1	m³/min	650	700	800	900	1000	1100	1200	1300	1400	1500
	DT	°C	74.0	80.7	94.2	107.7	121.2	134.7	148.2	161.7	175.2	188.7
	Nsof	kW	24	24	24	23	23	23	23	22	22	22
	Nmot	kW	35.8	38.5	44.0	49.5	55.0	60.5	66.0	71.5	77.0	82.5
	Lp(A) sc		45	45	55	75	75	75	75	90	90	90
	Lp(A) cc		84	85	88	90	92	94	96	97	99	100
250	Q1	m³/min	<70	<70	<70	<70	70	72	74	75	77	78
	DT	°C	71.9	78.6	92.1	105.6	119.1	132.6	146.1	159.6	173.1	186.6
	Nsof	kW	33	33	32	32	31	31	30	30	30	30
	Nmot	kW	43.1	46.4	53.0	59.6	66.3	72.9	79.5	86.1	92.8	99.4
	Lp(A) sc		55	55	75	75	75	90	90	110	110	110
	Lp(A) cc		85	86	89	91	93	95	97	99	100	101
300	Q1	m³/min	<70	<70	<70	<70	71	73	75	77	78	79
	DT	°C	69.7	76.5	90.0	103.5	117.0	130.5	144.0	157.5	171.0	184.5
	Nsof	kW	44	44	42	41	41	40	40	39	39	39
	Nmot	kW	50.4	54.3	62.0	69.8	77.5	85.3	93.0	100.8	108.5	116.3
	Lp(A) sc		75	75	75	90	90	110	110	110	132	132
	Lp(A) cc		86	88	91	93	95	97	98	100	101	103
350	Q1	m³/min	<70	<70	<70	71	73	75	76	78	79	81
	DT	°C	67.6	74.3	87.8	101.3	114.8	128.3	141.8	155.3	168.8	182.3
	Nsof	kW	57	56	54	53	52	51	50	50	49	49
	Nmot	kW	57.7	62.1	71.0	79.9	88.8	97.6	106.5	115.4	124.3	133.1
	Lp(A) sc		75	75	90	90	110	110	132	132	160	160
	Lp(A) cc		88	89	92	94	96	98	100	102	103	104
400	Q1	m³/min	<70	<70	70	72	74	76	78	80	81	82
	DT	°C	65.3	72.1	85.6	99.1	112.6	126.1	139.6	153.1	166.6	180.1
	Nsof	kW	73	72	69	67	66	64	63	63	62	61
	Nmot	kW	65.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
	Lp(A) sc		75	90	90	110	110	132	132	160	160	200
	Lp(A) cc		90	91	94	96	98	100	102	103	105	106
450	Q1	m³/min	<70	<70	72	74	76	78	80	81	83	84
	DT	°C	62.9	69.7	83.2	96.7	110.2	123.7	137.2	150.7	164.2	177.7
	Nsof	kW	93	91	87	84	82	80	79	78	77	76
	Nmot	kW	72.3	77.9	89.0	100.1	111.3	122.4	133.5	144.6	155.8	166.9
	Lp(A) sc		90	90	110	110	132	160	160	160	200	200
	Lp(A) cc		91	93	95	98	100	102	103	105	106	108
500	Q1	m³/min	<70	71	73	76	78	80	81	83	84	85
	DT	°C	60.4	67.1	80.6	94.1	107.6	121.1	134.6	148.1	161.6	175.1
	Nsof	kW	119	115	109	105	102	100	98	97	95	94
	Nmot	kW	79.6	85.8	98.0	110.3	122.5	134.8	147.0	159.3	171.5	183.8
	Lp(A) sc		90	110	110	132	160	160	160	200	200	200
	Lp(A) cc		93	95	97	100	102	104	105	107	108	110
550	Q1	m³/min	71	73	75	78	80	82	83	85	85	85
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 175

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		6				4					
	rpm		650	700	800	900	1000	1100	1200	1300	1400	1500
300	Q1	m³/min	101.6	110.7	128.8	146.9	165.0	183.1	201.2	219.3	237.4	255.5
	DT	°C	29	28	28	27	27	27	27	27	26	26
	Nsof	kW	68.6	73.9	84.4	95.0	105.5	116.1	126.6	137.2	147.7	158.3
	Nmot	kW	90	90	110	110	132	132	160	160	160	200
	Lp(A) sc		88	89	92	94	96	98	100	101	103	104
	Lp(A) cc		<70	<70	<70	72	74	76	78	79	81	82
400	Q1	m³/min	99.2	108.2	126.3	144.4	162.5	180.6	198.7	216.8	234.9	253.0
	DT	°C	39	39	38	37	37	36	36	36	36	35
	Nsof	kW	88.2	95.0	108.5	122.1	135.7	149.2	162.8	176.4	189.9	203.5
	Nmot	kW	110	110	132	160	160	200	200	200	250	250
	Lp(A) sc		89	91	93	95	97	99	101	103	104	105
	Lp(A) cc		<70	<70	71	73	75	77	79	81	82	83
500	Q1	m³/min	97.0	106.0	124.1	142.2	160.3	178.4	196.5	214.6	232.7	250.8
	DT	°C	50	49	48	47	47	46	46	45	45	45
	Nsof	kW	107.8	116.1	132.7	149.3	165.8	182.4	199.0	215.6	232.2	248.8
	Nmot	kW	132	132	160	200	200	200	250	250	315	315
	Lp(A) sc		90	92	95	97	99	101	102	104	105	107
	Lp(A) cc		<70	<70	73	75	77	79	80	82	83	85
600	Q1	m³/min	95.0	104.1	122.2	140.3	158.4	176.5	194.6	212.7	230.8	248.9
	DT	°C	61	60	59	58	57	56	55	55	54	54
	Nsof	kW	127.4	137.2	156.8	176.4	196.0	215.6	235.2	254.8	274.4	294.0
	Nmot	kW	160	160	200	200	250	250	315	315	315	355
	Lp(A) sc		92	93	96	98	100	102	104	105	107	108
	Lp(A) cc		<70	71	74	76	78	80	82	83	85	85
700	Q1	m³/min	93.2	102.3	120.4	138.5	156.6	174.7	192.8	210.9	229.0	247.1
	DT	°C	73	72	70	68	67	66	65	65	64	64
	Nsof	kW	147.0	158.3	180.9	203.6	226.2	248.8	271.4	294.0	316.6	339.3
	Nmot	kW	160	200	200	250	250	315	315	355	355	400
	Lp(A) sc		93	95	97	99	101	103	105	107	108	109
	Lp(A) cc		71	73	75	77	79	81	83	85	85	85
800	Q1	m³/min	91.5	100.6	118.7	136.8	154.9	173.0	191.1	209.2	227.3	245.4
	DT	°C	85	83	81	79	77	76	75	74	74	73
	Nsof	kW	166.6	179.4	205.1	230.7	256.3	282.0	307.6	333.2	358.9	384.5
	Nmot	kW	200	200	250	250	315	315	355	400	400	450
	Lp(A) sc		94	96	98	101	103	105	106	108	109	111
	Lp(A) cc		72	74	76	79	81	83	84	85	85	85
900	Q1	m³/min	89.9	99.0	117.1	135.2	153.3	171.4	189.5	207.6	225.7	243.8
	DT	°C	97	95	92	90	88	86	85	84	84	83
	Nsof	kW	186.2	200.6	229.2	257.9	286.5	315.2	343.8	372.5	401.1	429.8
	Nmot	kW	250	250	250	315	315	355	400	450	450	500
	Lp(A) sc		95	97	99	102	104	106	107	109	110	112
	Lp(A) cc		73	75	77	80	82	84	85	85	85	85
1000	Q1	m³/min	88.4	97.5	115.6	133.7	151.8	169.9	188.0	206.1	224.2	242.3
	DT	°C	110	107	104	101	99	97	95	94	93	93
	Nsof	kW	205.8	221.7	253.3	285.0	316.7	348.3	380.0	411.7	443.3	475.0
	Nmot	kW	250	250	315	315	355	400	450	450	500	500
	Lp(A) sc		96	98	101	103	105	107	108	110	111	113
	Lp(A) cc		74	76	79	81	83	85	85	85	85	85



Performances

RBS 175

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		6				4					
		rpm										
200	Q1	m³/min	650	700	800	900	1000	1100	1200	1300	1400	1500
	DT	°C	103.1	112.1	130.2	148.3	166.4	184.5	202.6	220.7	238.8	256.9
	Nsof	kW	24	23	23	23	22	22	22	22	22	22
	Nmot	kW	49.0	52.7	60.3	67.8	75.3	82.9	90.4	97.9	105.5	113.0
	Lp(A) sc		55	75	75	90	90	90	110	110	132	132
	Lp(A) cc		87	88	91	93	95	97	99	100	102	103
250	Q1	m³/min	<70	<70	<70	71	73	75	77	78	80	81
	DT	°C	100.8	109.9	128.0	146.1	164.2	182.3	200.4	218.5	236.6	254.7
	Nsof	kW	32	32	31	31	30	30	30	30	29	29
	Nmot	kW	58.8	63.3	72.3	81.4	90.4	99.5	108.5	117.5	126.6	135.6
	Lp(A) sc		75	75	90	90	110	110	132	132	160	160
	Lp(A) cc		88	89	92	94	96	98	100	102	103	104
300	Q1	m³/min	<70	<70	70	72	74	76	78	80	81	82
	DT	°C	98.6	107.6	125.7	143.8	161.9	180.0	198.1	216.2	234.3	252.4
	Nsof	kW	42	41	41	40	39	39	39	38	38	38
	Nmot	kW	68.6	73.9	84.4	95.0	105.5	116.1	126.6	137.2	147.7	158.3
	Lp(A) sc		90	90	110	110	132	132	160	160	160	200
	Lp(A) cc		89	91	94	96	98	100	101	103	104	106
350	Q1	m³/min	<70	<70	72	74	76	78	79	81	82	84
	DT	°C	96.3	105.3	123.4	141.5	159.6	177.7	195.8	213.9	232.0	250.1
	Nsof	kW	54	53	52	51	50	50	49	49	48	48
	Nmot	kW	78.4	84.4	96.5	108.5	120.6	132.6	144.7	156.8	168.8	180.9
	Lp(A) sc		90	110	110	132	132	160	160	200	200	200
	Lp(A) cc		91	92	95	97	99	101	103	105	106	107
400	Q1	m³/min	<70	70	73	75	77	79	81	83	84	85
	DT	°C	93.9	102.9	121.0	139.1	157.2	175.3	193.4	211.5	229.6	247.7
	Nsof	kW	68	67	65	64	63	62	61	61	60	60
	Nmot	kW	88.2	95.0	108.5	122.1	135.7	149.2	162.8	176.4	189.9	203.5
	Lp(A) sc		110	110	132	160	160	200	200	200	250	250
	Lp(A) cc		93	94	97	99	101	103	105	106	108	109
450	Q1	m³/min	71	72	75	77	79	81	83	84	85	85
	DT	°C	91.4	100.4	118.5	136.6	154.7	172.8	190.9	209.0	227.1	245.2
	Nsof	kW	86	84	82	80	78	77	76	75	75	74
	Nmot	kW	98.0	105.5	120.6	135.7	150.8	165.8	180.9	196.0	211.1	226.1
	Lp(A) sc		110	132	132	160	200	200	200	250	250	250
	Lp(A) cc		94	96	98	101	103	105	106	108	109	111
500	Q1	m³/min	72	74	76	79	81	83	84	85	85	85
	DT	°C	88.6	97.7	115.8	133.9	152.0	170.1	188.2	206.3	224.4	242.5
	Nsof	kW	108	106	102	99	97	96	94	93	92	91
	Nmot	kW	107.8	116.1	132.7	149.3	165.8	182.4	199.0	215.6	232.2	248.8
	Lp(A) sc		132	132	160	200	200	200	250	250	315	315
	Lp(A) cc		96	98	100	103	105	107	108	110	111	113
550	Q1	m³/min	74	76	78	81	83	85	85	85	85	85
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 205

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		6						4			
		rpm	600	650	700	750	800	850	900	1000	1100	1200
300	Q1	m³/min	129.9	142.4	154.9	167.3	179.8	192.3	204.8	229.7	254.7	279.6
	DT	°C	29	28	28	28	28	27	27	27	27	27
	Nsof	kW	86.3	93.4	100.6	107.8	115.0	122.2	129.4	143.8	158.1	172.5
	Nmot	kW	110	110	110	132	132	160	160	160	200	200
	Lp(A) sc		87	89	90	91	93	94	95	97	99	101
	Lp(A) cc		<70	<70	<70	<70	71	72	73	75	77	79
	Lp(A) cc		<70	<70	<70	71	72	73	74	76	78	80
400	Q1	m³/min	126.9	139.3	151.8	164.3	176.8	189.2	201.7	226.7	251.6	276.6
	DT	°C	39	38	38	38	37	37	37	36	36	36
	Nsof	kW	111.2	120.5	129.7	139.0	148.3	157.5	166.8	185.3	203.9	222.4
	Nmot	kW	132	132	160	160	200	200	200	250	250	250
	Lp(A) sc		89	90	92	93	94	95	96	98	100	102
	Lp(A) cc		<70	<70	<70	71	72	73	74	76	78	80
	Lp(A) cc		<70	<70	<70	71	72	73	74	76	78	80
500	Q1	m³/min	124.2	136.6	149.1	161.6	174.1	186.5	199.0	224.0	248.9	273.9
	DT	°C	50	49	48	48	47	47	47	46	46	45
	Nsof	kW	136.2	147.5	158.8	170.2	181.5	192.9	204.2	226.9	249.6	272.3
	Nmot	kW	160	160	200	200	200	250	250	250	315	315
	Lp(A) sc		90	91	93	94	96	97	98	100	102	103
	Lp(A) cc		<70	<70	71	72	74	75	76	78	80	81
	Lp(A) cc		<70	<70	71	72	74	75	76	77	79	81
600	Q1	m³/min	121.7	134.2	146.7	159.2	171.6	184.1	196.6	221.5	246.5	271.4
	DT	°C	61	60	59	58	58	57	57	56	55	55
	Nsof	kW	161.1	174.5	188.0	201.4	214.8	228.2	241.7	268.5	295.4	322.2
	Nmot	kW	200	200	250	250	250	250	315	315	355	355
	Lp(A) sc		91	93	94	96	97	98	99	101	103	105
	Lp(A) cc		<70	71	72	74	75	76	77	79	81	83
	Lp(A) cc		<70	71	72	74	75	76	77	79	81	83
700	Q1	m³/min	119.5	132.0	144.4	156.9	169.4	181.9	194.3	219.3	244.2	269.2
	DT	°C	72	71	70	69	68	67	67	66	65	64
	Nsof	kW	186.1	201.6	217.1	232.6	248.1	263.6	279.1	310.1	341.1	372.1
	Nmot	kW	250	250	250	315	315	315	315	355	400	450
	Lp(A) sc		93	94	96	97	98	99	100	102	104	106
	Lp(A) cc		71	72	74	75	76	77	78	80	82	84
	Lp(A) cc		71	72	74	75	76	77	78	80	82	84
800	Q1	m³/min	117.4	129.9	142.4	154.8	167.3	179.8	192.3	217.2	242.2	267.1
	DT	°C	84	83	81	80	79	78	77	76	75	74
	Nsof	kW	211.0	228.6	246.2	263.8	281.3	298.9	316.5	351.7	386.8	422.0
	Nmot	kW	250	250	315	315	315	355	355	400	450	500
	Lp(A) sc		94	95	97	98	99	101	102	104	106	107
	Lp(A) cc		72	73	75	76	77	79	80	82	84	85
	Lp(A) cc		72	73	75	76	77	79	80	82	84	85
900	Q1	m³/min	115.4	127.9	140.4	152.9	165.3	177.8	190.3	215.2	240.2	265.1
	DT	°C	96	94	93	91	90	89	88	86	85	84
	Nsof	kW	236.0	255.6	275.3	294.9	314.6	334.3	353.9	393.3	432.6	471.9
	Nmot	kW	315	315	315	355	355	400	400	450	500	600
	Lp(A) sc		95	96	98	99	100	102	103	105	107	108
	Lp(A) cc		73	74	76	77	78	80	81	83	85	85
	Lp(A) cc		73	74	76	77	78	80	81	83	85	85
1000	Q1	m³/min	113.6	126.1	138.5	151.0	163.5	176.0	188.4	213.4	238.3	263.3
	DT	°C	109	106	104	102	101	100	98	97	95	94
	Nsof	kW	260.9	282.6	304.4	326.1	347.9	369.6	391.4	434.8	478.3	521.8
	Nmot	kW	315	315	355	355	400	400	450	500	600	600
	Lp(A) sc		96	97	99	100	102	103	104	106	108	109
	Lp(A) cc		74	75	77	78	80	81	82	84	85	85
	Lp(A) cc		74	75	77	78	80	81	82	84	85	85



Performances

RBS 205

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		6						4			
		rpm	600	650	700	750	800	850	900	1000	1100	1200
200	Q1	m³/min	131.7	144.1	156.6	169.1	181.6	194.0	206.5	231.5	256.4	281.4
	DT	°C	23	23	23	23	23	23	22	22	22	22
	Nsof	kW	61.3	66.4	71.5	76.6	81.7	86.8	92.0	102.2	112.4	122.6
	Nmot	kW	75	75	90	90	90	110	110	132	132	160
	Lp(A) sc		86	88	89	91	92	93	94	96	98	100
	Lp(A) cc		<70	<70	<70	<70	<70	71	72	74	76	78
250	Q1	m³/min	128.9	141.4	153.8	166.3	178.8	191.3	203.7	228.7	253.6	278.6
	DT	°C	32	31	31	31	31	30	30	30	30	29
	Nsof	kW	73.8	79.9	86.1	92.2	98.4	104.5	110.7	123.0	135.3	147.6
	Nmot	kW	90	90	110	110	110	132	132	160	160	160
	Lp(A) sc		87	89	90	92	93	94	95	97	99	101
	Lp(A) cc		<70	<70	<70	<70	71	72	73	75	77	79
300	Q1	m³/min	126.1	138.6	151.1	163.6	176.0	188.5	201.0	225.9	250.9	275.8
	DT	°C	42	41	41	40	40	40	39	39	39	38
	Nsof	kW	86.3	93.4	100.6	107.8	115.0	122.2	129.4	143.8	158.1	172.5
	Nmot	kW	110	110	110	132	132	160	160	160	200	200
	Lp(A) sc		89	90	92	93	95	96	97	99	101	102
	Lp(A) cc		<70	<70	<70	71	73	74	75	77	79	80
350	Q1	m³/min	123.3	135.8	148.2	160.7	173.2	185.7	198.1	223.1	248.0	273.0
	DT	°C	54	53	52	51	51	50	50	49	49	48
	Nsof	kW	98.7	107.0	115.2	123.4	131.6	139.9	148.1	164.5	181.0	197.5
	Nmot	kW	110	132	132	160	160	160	200	200	200	250
	Lp(A) sc		90	92	93	95	96	97	98	100	102	104
	Lp(A) cc		<70	<70	71	73	74	75	76	78	80	82
400	Q1	m³/min	120.3	132.8	145.3	157.8	170.2	182.7	195.2	220.1	245.1	270.0
	DT	°C	68	67	66	65	64	63	63	62	61	61
	Nsof	kW	111.2	120.5	129.7	139.0	148.3	157.5	166.8	185.3	203.9	222.4
	Nmot	kW	132	132	160	160	200	200	200	250	250	250
	Lp(A) sc		92	94	95	96	98	99	100	102	104	106
	Lp(A) cc		70	72	73	74	76	77	78	80	82	84
450	Q1	m³/min	117.2	129.7	142.2	154.6	167.1	179.6	192.1	217.0	242.0	266.9
	DT	°C	85	84	82	81	80	79	78	77	76	75
	Nsof	kW	123.7	134.0	144.3	154.6	164.9	175.2	185.5	206.1	226.7	247.4
	Nmot	kW	160	160	160	200	200	200	250	250	250	315
	Lp(A) sc		94	95	97	98	99	101	102	104	106	107
	Lp(A) cc		72	73	75	76	77	79	80	82	84	85a
500	Q1	m³/min	113.8	126.3	138.8	151.2	163.7	176.2	188.7	213.6	238.6	263.5
	DT	°C	107	105	103	101	99	98	97	95	94	93
	Nsof	kW	136.2	147.5	158.8	170.2	181.5	192.9	204.2	226.9	249.6	272.3
	Nmot	kW	160	160	200	200	200	250	250	250	315	315
	Lp(A) sc		96	97	99	100	101	103	104	106	108	109
	Lp(A) cc		74	75	77	78	79	81	82	84	85	85
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 225

Pressure operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		6			4						
			rpm									
300	Q1	m³/min	600	650	700	750	800	850	900	1000	1100	1200
	DT	°C	193,5	211,7	229,9	248,1	266,3	284,6	302,8	339,2	375,7	412,1
	Nsof	kW	28	28	28	27	27	27	27	27	26	26
	Nmot	kW	127.3	137.9	148.5	159.2	169.8	180.4	191.0	212.2	233.4	254.6
	Lp(A) sc		160	160	200	200	200	200	250	250	315	315
	Lp(A) cc		90	92	93	94	96	97	98	100	102	104
400	Q1	m³/min	<70	<70	71	72	74	75	76	78	80	82
	DT	°C	189.6	207.8	226.0	244.2	262.5	280.7	298.9	335.3	371.8	408.2
	Nsof	kW	38	38	37	37	37	36	36	36	36	35
	Nmot	kW	163.8	177.4	191.1	204.7	218.3	232.0	245.6	272.9	300.2	327.5
	Lp(A) sc		200	200	250	250	250	315	315	315	355	355
	Lp(A) cc		92	93	95	96	97	98	99	101	103	105
500	Q1	m³/min	<70	71	73	74	75	76	77	79	81	83
	DT	°C	186.1	204.4	222.6	240.8	259.0	277.2	295.5	331.9	368.3	404.8
	Nsof	kW	49	48	47	47	47	46	46	45	45	45
	Nmot	kW	200.2	216.9	233.6	250.3	266.9	283.6	300.3	333.7	367.0	400.4
	Lp(A) sc		250	250	315	315	315	315	355	400	400	450
	Lp(A) cc		93	94	96	97	99	100	101	103	105	106
600	Q1	m³/min	71	72	74	75	77	78	79	81	83	84
	DT	°C	183.0	201.3	219.5	237.7	255.9	274.1	292.4	328.8	365.2	401.7
	Nsof	kW	59	58	58	57	56	56	56	55	54	54
	Nmot	kW	236.6	256.4	276.1	295.8	315.5	335.2	355.0	394.4	433.8	473.3
	Lp(A) sc		315	315	315	355	355	400	400	450	500	600
	Lp(A) cc		94	96	97	99	100	101	102	104	106	108
700	Q1	m³/min	72	74	75	77	78	79	80	82	84	85
	DT	°C	180.2	198.4	216.6	234.9	253.1	271.3	289.5	326.0	362.4	398.8
	Nsof	kW	70	69	68	67	67	66	66	65	64	63
	Nmot	kW	273.1	295.8	318.6	341.4	364.1	386.9	409.6	455.1	500.6	546.2
	Lp(A) sc		315	355	355	400	400	450	450	500	600	600
	Lp(A) cc		96	97	99	100	101	102	103	105	107	109
800	Q1	m³/min	74	75	77	78	79	80	81	83	85	85
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
900	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
1000	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											



Performances

RBS 225

Vacuum operation

Nsof: Blower absorbed power

Nmot: Advised motor power

Lp(A) sc: Sound pressure level in accordance with ISO 3746 in a free field at 1m without noise enclosure and with sound insulated pipes

Lp(A) cc: Sound pressure level in accordance with ISO 3746 in a free field at 1m with noise enclosure and with sound insulated pipes

Performances related to atmospheric air:

abs. pressure 1,013 mbar
Temperature 20°C
Humidity 50%
Specific weight 1.2 kg/m³

For performances with gases other than atmospheric air or at non-standard conditions contact your Authorized ROBUSCHI representative

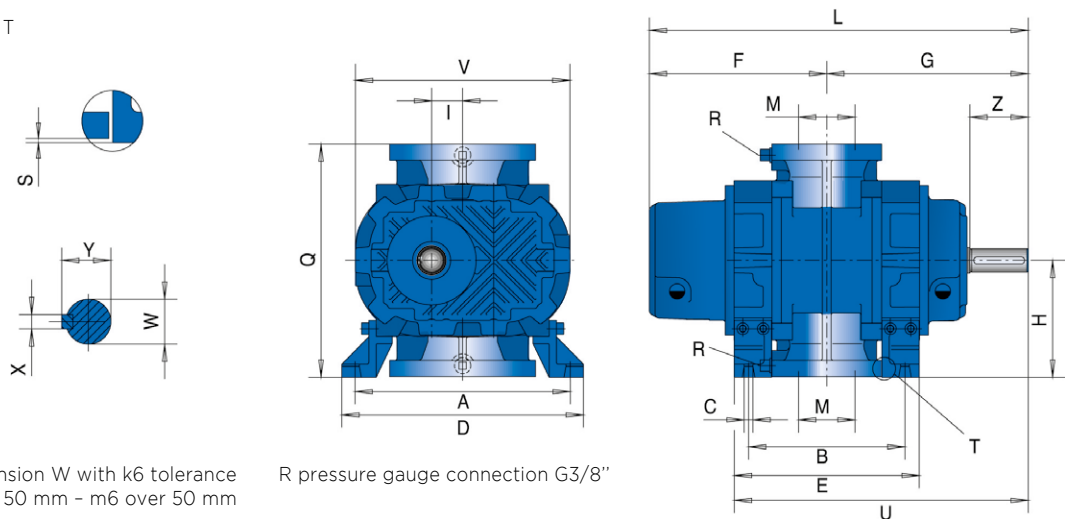
Tolerance on performances: in accordance with the ROBUSCHI TE1.S.0015 specification

DP (mbar)	Poles		6			4						
			rpm									
200	Q1	m³/min	600	650	700	750	800	850	900	1000	1100	1200
	DT	°C	195,7	213,9	232,1	250,4	268,6	286,8	305,0	341,5	377,9	414,3
	Nsof	kW	23	23	23	22	22	22	22	22	22	22
	Nmot	kW	90.9	98.5	106.0	113.6	121.2	128.7	136.3	151.5	166.6	181.8
	Lp(A) sc		110	110	132	132	132	160	160	200	200	200
	Lp(A) cc		89	91	92	94	95	96	97	99	101	103
250	Q1	m³/min	<70	<70	70	72	73	74	75	77	79	81
	DT	°C	192.2	210.4	228.6	246.8	265.0	283.3	301.5	337.9	374.4	410.8
	Nsof	kW	31	31	31	30	30	30	30	30	29	29
	Nmot	kW	109.1	118.2	127.3	136.4	145.5	154.6	163.7	181.8	200.0	218.2
	Lp(A) sc		132	132	160	160	160	200	200	200	250	250
	Lp(A) cc		90	92	93	95	96	97	98	100	102	104
300	Q1	m³/min	<70	70	71	73	74	75	76	78	80	82
	DT	°C	188.6	206.9	225.1	243.3	261.5	279.7	298.0	334.4	370.8	407.3
	Nsof	kW	41	40	40	40	39	39	39	38	38	38
	Nmot	kW	127.3	137.9	148.5	159.2	169.8	180.4	191.0	212.2	233.4	254.6
	Lp(A) sc		160	160	200	200	200	200	250	250	315	315
	Lp(A) cc		92	93	95	96	98	99	100	102	104	105
350	Q1	m³/min	<70	71	73	74	76	77	78	80	82	83
	DT	°C	185.0	203.3	221.5	239.7	257.9	276.1	294.4	330.8	367.2	403.7
	Nsof	kW	52	51	51	50	50	50	49	49	48	48
	Nmot	kW	145.5	157.7	169.8	181.9	194.1	206.2	218.3	242.6	266.8	291.1
	Lp(A) sc		160	200	200	200	250	250	250	315	315	315
	Lp(A) cc		93	95	96	98	99	100	101	103	105	107
400	Q1	m³/min	71	73	74	76	77	78	79	81	83	85
	DT	°C	181.3	199.5	217.7	235.9	254.2	272.4	290.6	327.0	363.5	399.9
	Nsof	kW	66	65	64	63	63	62	62	61	60	60
	Nmot	kW	163.8	177.4	191.1	204.7	218.3	232.0	245.6	272.9	300.2	327.5
	Lp(A) sc		200	200	250	250	250	315	315	315	355	355
	Lp(A) cc		95	97	98	99	101	102	103	105	107	109
450	Q1	m³/min	73	75	76	77	79	80	81	83	85	85
	DT	°C	177.3	195.5	213.7	231.9	250.2	268.4	286.6	323.0	359.5	395.9
	Nsof	kW	83	81	80	79	78	77	77	75	75	74
	Nmot	kW	182.0	197.1	212.3	227.5	242.6	257.8	273.0	303.3	333.6	364.0
	Lp(A) sc		200	250	250	250	315	315	315	355	400	400
	Lp(A) cc		97	98	100	101	102	104	105	107	109	110
500	Q1	m³/min	75	76	78	79	80	82	83	85	85	85
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											
550	Q1	m³/min										
	DT	°C										
	Nsof	kW										
	Nmot	kW										
	Lp(A) sc											
	Lp(A) cc											

Italiano	RBS - Dimensioni e pesi							
Particolare T	Dimensione W con tolleranza k6 fino a 50 mm - m6 oltre 50 mm	R Attacco manometro G 3/8"	Soffiatore	Peso (kg)	In caso di RBS INOX PRV, chiedere le relative dimensioni	RBS Foratura flange	N. fori	Quote non impegnative in mm Senso del flusso: dall'alto verso il basso
Deutsch	RBS - Abmessungen und Gewichte							
Einzelteil	Abmessung W mit Toleranz k6 bis zu 50 mm - m6 über 50 mm	R Manometer-anschluss G3/8"	Gebläse	Gewicht (kg)	Zur Auswahl der RBS INOX PRV Version, wenden Sie sich bitte an Robuschi	RBS Flanschbohrungen	Anz. Bohrungen	Unverbindliche Abmessungen in mm Flussrichtung: Vertikal von oben nach unten
Français	RBS - Dimensions et poids							
Pièce T	Dimension W avec tolérance k6 jusqu'à 50 mm - m6 au-delà de 50 mm	R raccord du manomètre G3/8"	Surpresseur	Masse (Kg)	En cas de RBS INOX PRV, demander les dimensions correspondantes.	RBS Perçage des brides	N. Trous	Cotes non contractuelles en mm Sens du flux: du haut vers le bas
Español	RBS - Dimensiones y pesos							
Detalle	Dimensión W con tolerancia k6 de hasta 50 mm - m6 por encima de 50 mm	R conexión manómetro G3/8"	Soplante	Masa (kg)	En cas de RBS INOX PRV, demander les dimensions correspondantes	RBS Orificios bridas	N. orificios	Cuotas aproximadas en mm Sentido del flujo: de arriba abajo

RBS - Dimensions and Weights

Details T



Dimension W with k6 tolerance up to 50 mm - m6 over 50 mm

R pressure gauge connection G3/8"

Blower	A	B	C	D	E	F	G	H -0.5	I	L	M	Q	S	U	V	W	Z	X	Y	Weight (Kg)
RBS 15	200	175	13	248	205	200	191	112	34.0	391	50	223	1	294	252	24	50	8	27.0	36
RBS 25	200	210	13	248	240	218	208	112	34.0	426	65	223	1	328	252	24	50	8	27.0	41
RBS 35	295	215	12	331	251	243	265	160	42.5	508	80	319	1	392	295	38	80	10	41.0	85
RBS 45	295	275	12	331	311	273	295	160	42.5	568	80	319	1	452	295	38	80	10	41.0	97
RBS 46	295	375	12	331	411	324	345	160	42.5	669	100	319	1	552	295	38	80	10	41.0	117
RBS 55	340	276	14	385	322	309	330	185	53.5	639	100	369	1	491	345	48	110	14	51.5	144
RBS 65	340	341	14	385	387	340	361	185	53.5	701	150	369	1	555	345	48	110	14	51.5	160
RBS 66	340	451	14	385	497	396	417	185	53.5	813	150	369	1	665	345	48	110	14	51.5	193
RBS 75	370	316	18	420	369	345	365	225	67.5	710	150	449	1	549	415	55	110	16	59.0	210
RBS 85	370	431	18	420	482	405	423	225	67.5	828	150	449	1	665	415	55	110	16	59.0	250
RBS 85 Steam	370	451	18	420	502	415	433	225	67.5	848	150	449	1	685	415	55	110	16	59.0	250
RBS 86	370	541	18	420	592	460	478	225	67.5	938	200	449	1	775	415	55	110	16	59.0	316
RBS 95	430	406	18	486	462	415	449	265	84.0	864	150	529	1	676	522	60	140	18	64.0	360
RBS 105	430	501	18	486	557	463	497	265	84.0	960	200	529	1	771	522	60	140	18	64.0	400
RBS 105 Steam	430	521	18	486	577	473	507	265	84.0	980	200	529	1	795	522	60	140	18	64.0	400
RBS 106	430	651	18	486	707	538	572	265	84.0	1110	200	529	1	921	522	60	140	18	64.0	440
RBS 115	550	480	22	640	536	473	513	300	106.0	986	200	599	1	781	618	70	140	20	74.5	540
RBS 125	550	590	22	640	646	528	568	300	106.0	1096	250	599	1	891	618	70	140	20	74.5	605
RBS 125 Steam	550	610	22	640	666	538	578	300	106.0	1116	250	599	1	911	618	70	140	20	74.5	605
RBS 126	550	790	22	640	846	628	668	300	106.0	1296	250	599	1	1091	618	70	140	20	74.5	670
RBS 135	680	542	26	770	600	538	592	360	135.0	1130	250	719	1	892	790	85	170	22	90.0	910
RBS 145	680	747	26	770	805	641	695	360	135.0	1336	300	719	1	1098	790	85	170	22	90.0	1040
RBS 145 Steam	680	767	26	770	825	651	705	360	135.0	1356	300	719	1	1118	790	85	170	22	90.0	1040
RBS 155	680	897	26	770	955	716	770	360	135.0	1486	300	719	1	1248	790	85	170	22	90.0	1180
RBS 165	800	750	30	920	825	676	750	400	170.0	1426	300	798	2	1163	974	100	210	28	106.0	1790
RBS 175	800	970	30	920	1045	786	860	400	170.0	1646	350	798	2	1383	974	100	210	28	106.0	1890
RBS 175 Steam	800	994	30	920	1069	798	872	400	170.0	1670	350	798	2	1407	974	100	210	28	106.0	1890
RBS 205	1020	890	36	1140	970	793	836	500	213.0	1629	400	998	2	1321	1203	120	210	32	127.0	2870
RBS 225	1020	1240	36	1140	1320	968	1011	500	213.0	1979	500	998	2	1671	1203	120	210	32	127.0	3270

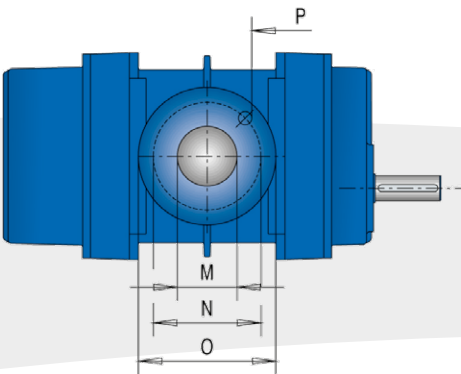
*In the case of RBS Steam - PRV, contact for the relative sizes.

RBS - Flange Drilling

PN10 UNI-EN 1092-2 o ANSI 125 FF

UNI PN10

ANSI 125 FF



M(DN)	N	O	P	No. holes
50	125	165	18	4
65	145	185	18	4
80	160	200	18	4
100	180	230	18	8
125	214	255	22	8
150	240.2	285	23	8
200	296	340	23	8
250	350	405	24	12
300	400	475	24	12
350	460	525	22	16
400	515	590	25	16
500	620	690	25	20

M(inch)	N	O	P	No. holes
2"	120.6	165	18	4
2-1/2"	139.7	185	18	4
3"	152.4	200	18	4
4"	190.5	230	18	8
5"	214	255	22	8
6"	240.2	285	23	8
8"	296	340	23	8
10"	362	405	24	12
12"	431.8	475	24	12
14"	476.2	525	29	12
16"	539.7	590	29	16
20"	635	690	32	20

Non-binding dimensions in mm - Flow direction: downwards from above.

Italiano	Campo di impiego e limiti di funzionamento
Grandezza	Note: (1) Per velocità prossime al valore minimo sono possibili fenomeni di risonanza nell'impianto (2) 160°C per soffiatori /R-F
Deutsch	Betriebsbedingungen und Leistungsgrenzen
Geblästyp	Anmerkungen: (1) Resonanzen in den bauseitigen Roberleitungen können drehzahlabhängig auftreten. (2) 160° C bei Geblaseausführung / R-F
Français	Conditions de fonctionnement et limites de performances
Taille	Note: (1) Un phénomène de résonance peut survenir sur site quand la vitesse de rotation (2) 160° C pour surpresseurs R/F
Español	Campo de utilización y límites de funcionamiento
Tamaño	Nota: (1) Para velocidad próxima a la instalación. (2) 160° C para soplante /RF

Working conditions and performance limits

Size	RPM		T2 (°C)	T2 T1 (°C)
	MAX	MIN (1)	MAX	MAX
15	5000	1200	130	110
25				90
35	5000	1000	150	130
45				110
46				90
55	4800	900	150	130
65				110
66				90
75	3800	700	150 (2)	130
85				110
86				90
95	3000	550	150 (2)	130
105				110
106				90
115	2400	450	150 (2)	130
125				110
126				90
135	2000	350	150 (2)	130
145				110
155				90
165	1500	300	150 (2)	130
175				110
205	1200	250	150 (2)	130
225				110

Note: (1) Resonance phenomena in the plant are possible when speed of rotation (2) 160°C lor blowers /R-F

Robox Lobe

Italiano	Robox Lobe - Dimensioni e pesi								
	P1 Pannelli silenziatore (S) assemblati dopo il trasporto	P2 Pannelli silenziatore (S) posizionati all'interno per il trasporto	Dimensioni	Peso (kg)	Dimensione	Soffiatore	Senza motore	Con cabina	Senza cabina
Deutsch	Robox Lobe - Abmessungen und Gewichte								
	P1 Schalldämpferelement (S) nach Transport montiert	P2 Schalldämpferelement (S) für Transport innenliegend	Abmessungen	Gewichte (Kg)	Baugröße	Gebläse	Ohne Motor	Mit Schallhaube	Ohne Schallhaube
Français	Robox Lobe - Dimensions et poids								
	P1 Panneaux du silencieux (S) assemblés après le transport	P2 Panneaux du silencieux (S) positionnés pour le transport	Dimensions	Masse (Kg)	Taille	Surpresseur	Sans moteur	Avec capot	Sans capot
Español	Robox Lobe - Dimensiones y pesos								
	P1 Paneles silenciador (S) ensamblados después del transporte	P2 Paneles silenciador (S) colocados en el interior para el transporte	Dimensiones	Masa (kg)	Tamaño	Soplantes	Sin motor	Con cabina	Sin cabina

Robox Lobe - Dimensions and Weights

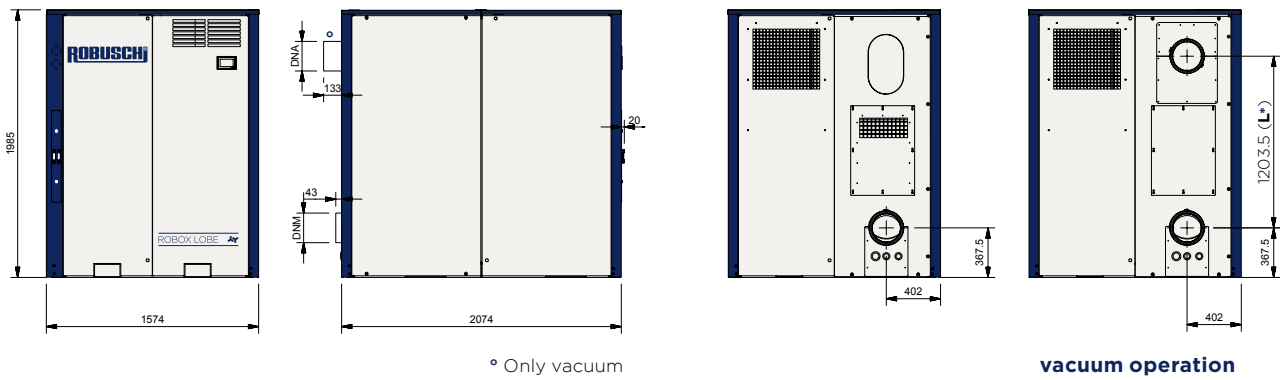
ROBOX Lobe		DIMENSIONS (mm)			WEIGHT (kg)**	
Frame	Airend Size	DN	L* Only vacuum	L1	without noise enclosure EL	with noise enclosure ES
1.0	ES 15	50	413	1136	80	120
1.5	ES 15	65	457	1516	125	205
	ES 25	65	457	1516	130	210
	ES 35	80	538	1516	175	255
2	ES 35	100	657	2005	235	365
	ES 45	100	657	2005	245	395
	ES 46	100	657	2005	276	420
	ES 55	100	707	2005	295	445
	ES 65	100	707	2005	310	460
3.0	ES 65	150	1015	-	485	1030
	ES 66	150	1015	-	515	1063
	ES 75	150	1095	-	545	1080
	ES 85	150	1095	-	595	1120
	ES 86	150	1095	-	655	1186
	ES 95	150	1175	-	735	1230
3.5	ES 86	200	1203.5	-	770	1360
	ES 105	200	1203.5	-	854	1450
	ES 106	200	1203.5	-	894	1490
	ES 115	200	1203.5	-	994	1590
4.0	ES 125	250	1502	-	1500	2060
	ES 126	250	1502	-	1565	2125
	ES 135	250	1502	-	1830	2390
5.0	ES 126	300	1584	-	2090	3190
	ES 145	300	1584	-	2400	3500
	ES 155	300	1584	-	2540	3640

** without motor

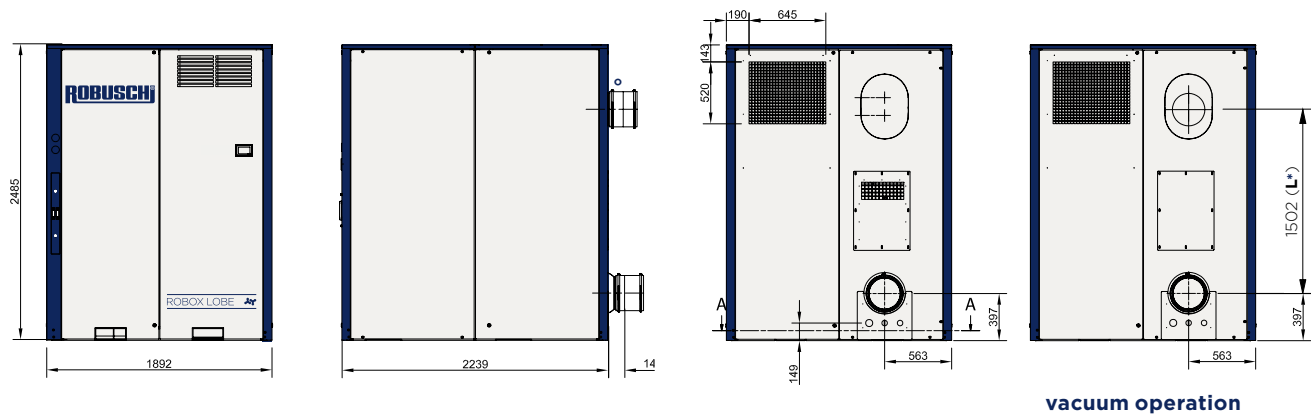


Robox Lobe - Dimensions and Weights

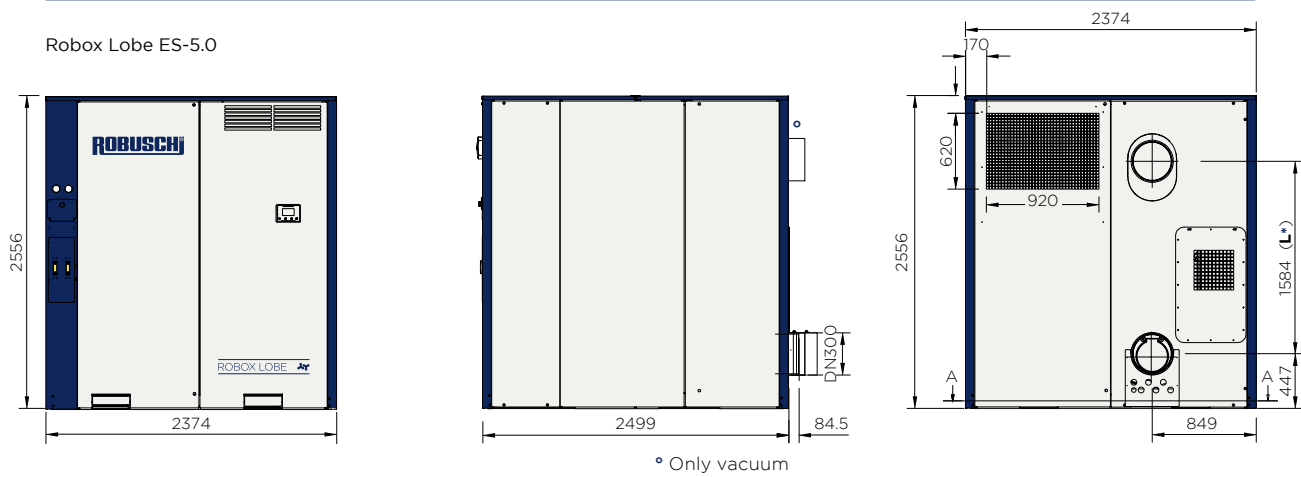
Robox Lobe ES-3.5



Robox Lobe ES-4.0



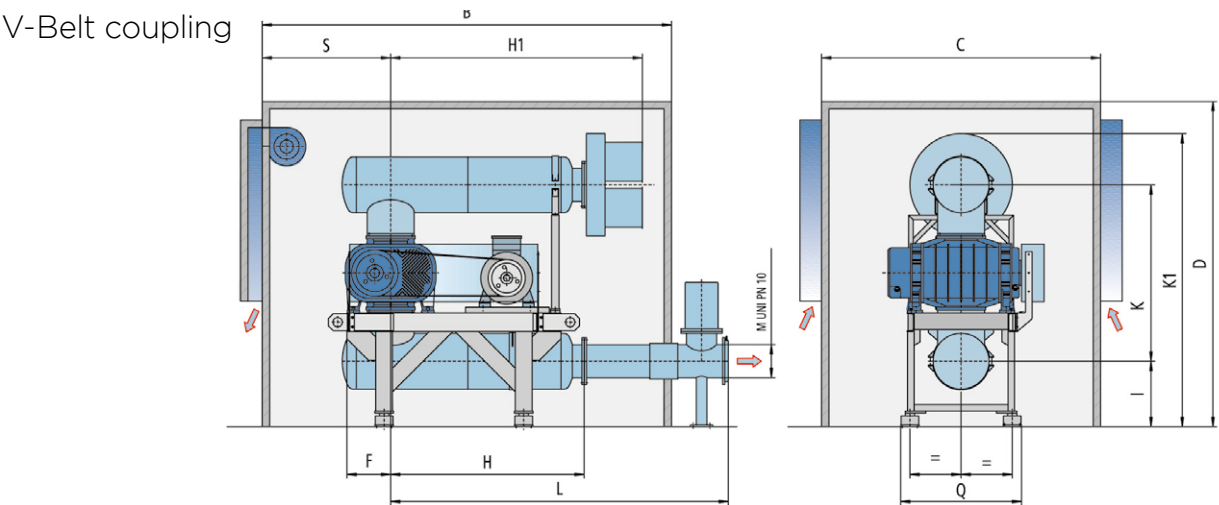
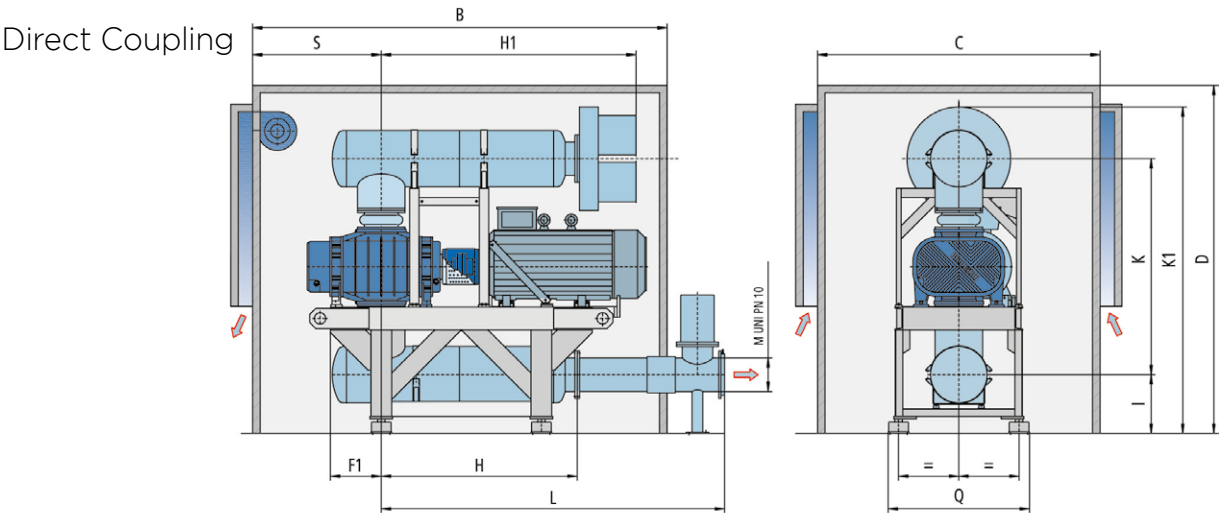
Robox Lobe ES-5.0



CRBS-GRBS

Italiano CRBS-GRBS - Dimensioni e pesi						
Accoppiamento diretto	Accoppiamento a cinghia	Soffiatore	Con riduttore	Senza riduttore	Peso	Senza motore
Deutsch CRBS-GRBS - Abmessungen und Gewichte						
Direkte Kupplung	Riementrieb	Gebläse	Mit Untersetzungsgetriebe	Ohne Untersetzungsgetriebe	Gewichte (kg)	Ohne Motor
Français CRBS-GRBS - Dimensions et poids						
Entraînement direct	Entraînement par poulies-courroies	Surpresseur	Avec réducteur	Sans réducteur	Masse- (Kg)	Sans moteur
Español CRBS-GRBS - Dimensiones y pesos						
Acoplamiento directo	Acoplamiento por correas	Soplantes	Con reductor	Sin reductor	Masa - (kg)	Sin motor

CRBS-GRBS - Dimensions and Weights



Blower	M	B		C	D	F	F1	H	H1	I	K	K1	L		Q	S	weight (kg)*
		With reduction gear	Without reduction gear										With reduction gear	Without reduction gear			
165/V	300	5300	4300	2900	3300	490	676	1750	2455	612	2120	3050	4173	3173	1320	1715	3150
175/V	350	5700	4700	3000	3900	490	796	2090	2706	624	2396	3570	4474	3474	1320	1864	4000
205/V	400	6200	5200	3200	4200	595	793	2490	3116	711	2656	3917	5006	4006	1850	1954	5700
225/V	500	6900	5900	3400	4600	595	969	2950	3628	800	2842	4292	5690	4690	1850	2042	6800

* without motor



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