

DATA SHEET

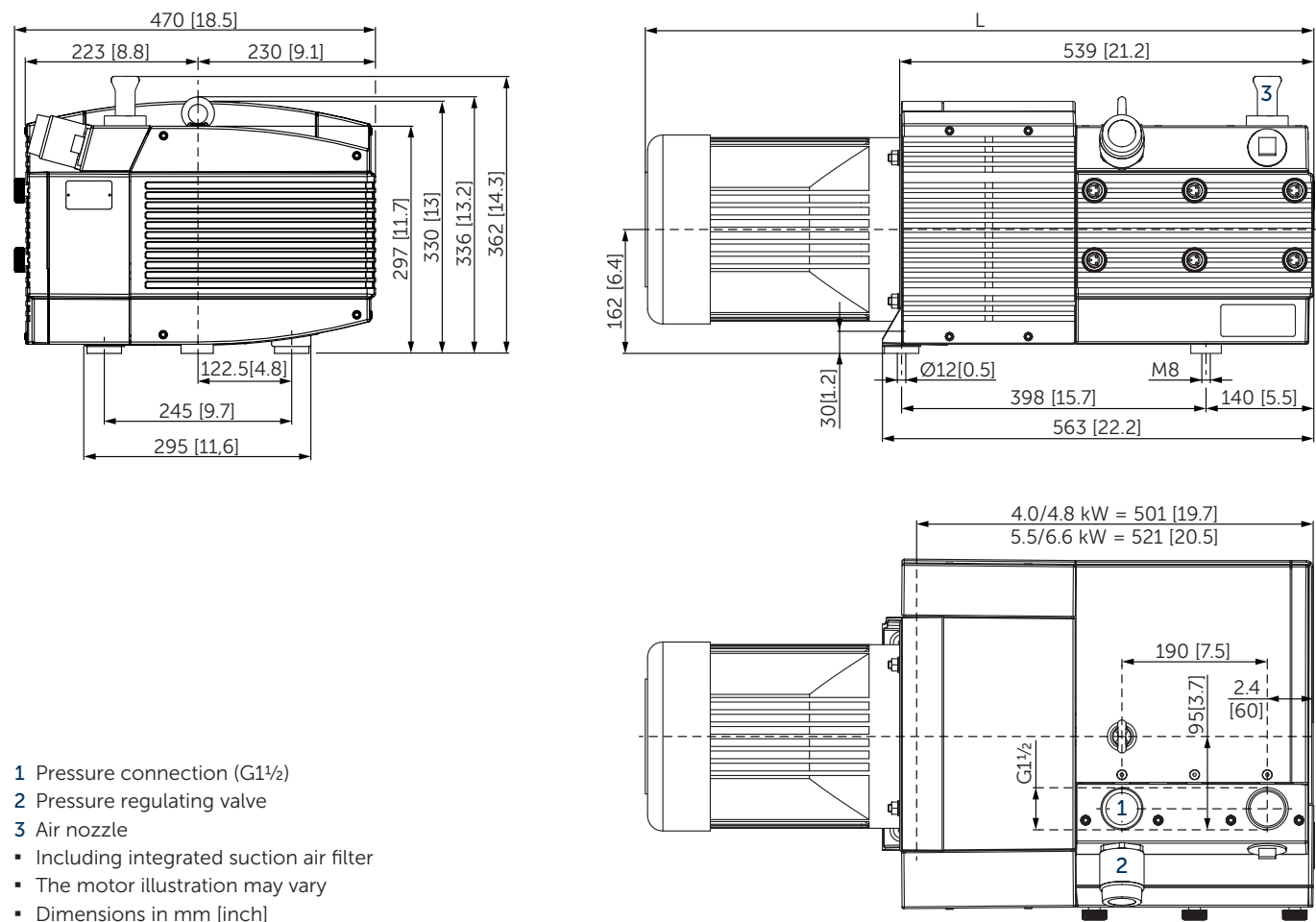
KDT 3.100

ROTARY VANE COMPRESSORS

oil-free
air-cooled

MAKE IT BECKER.



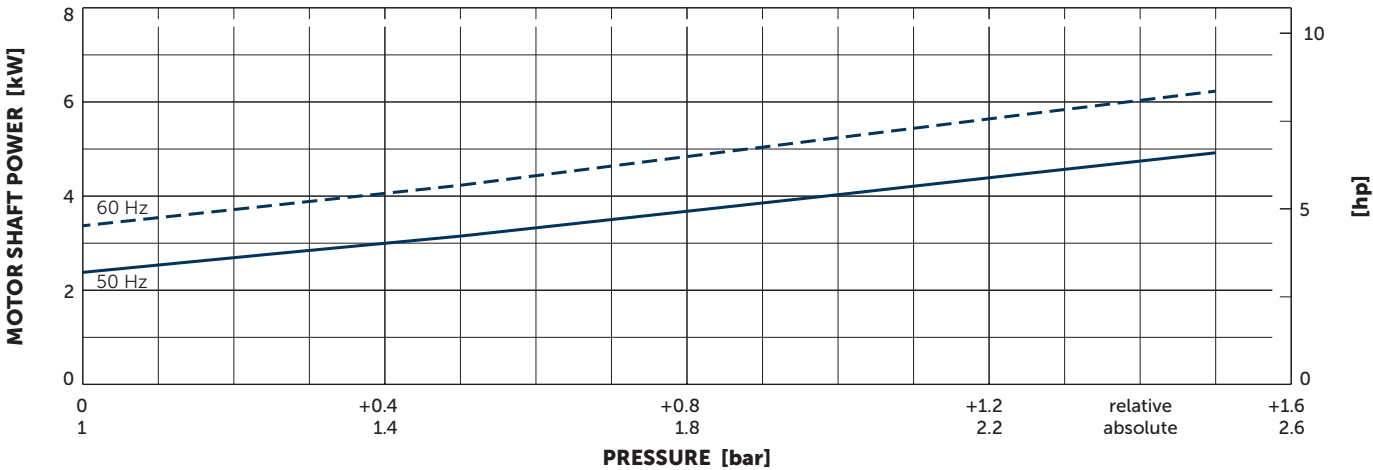
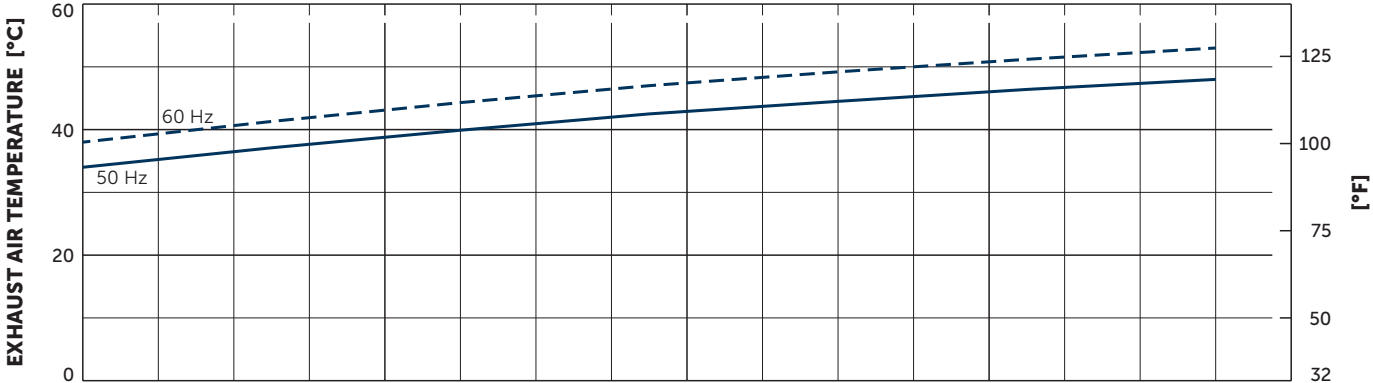
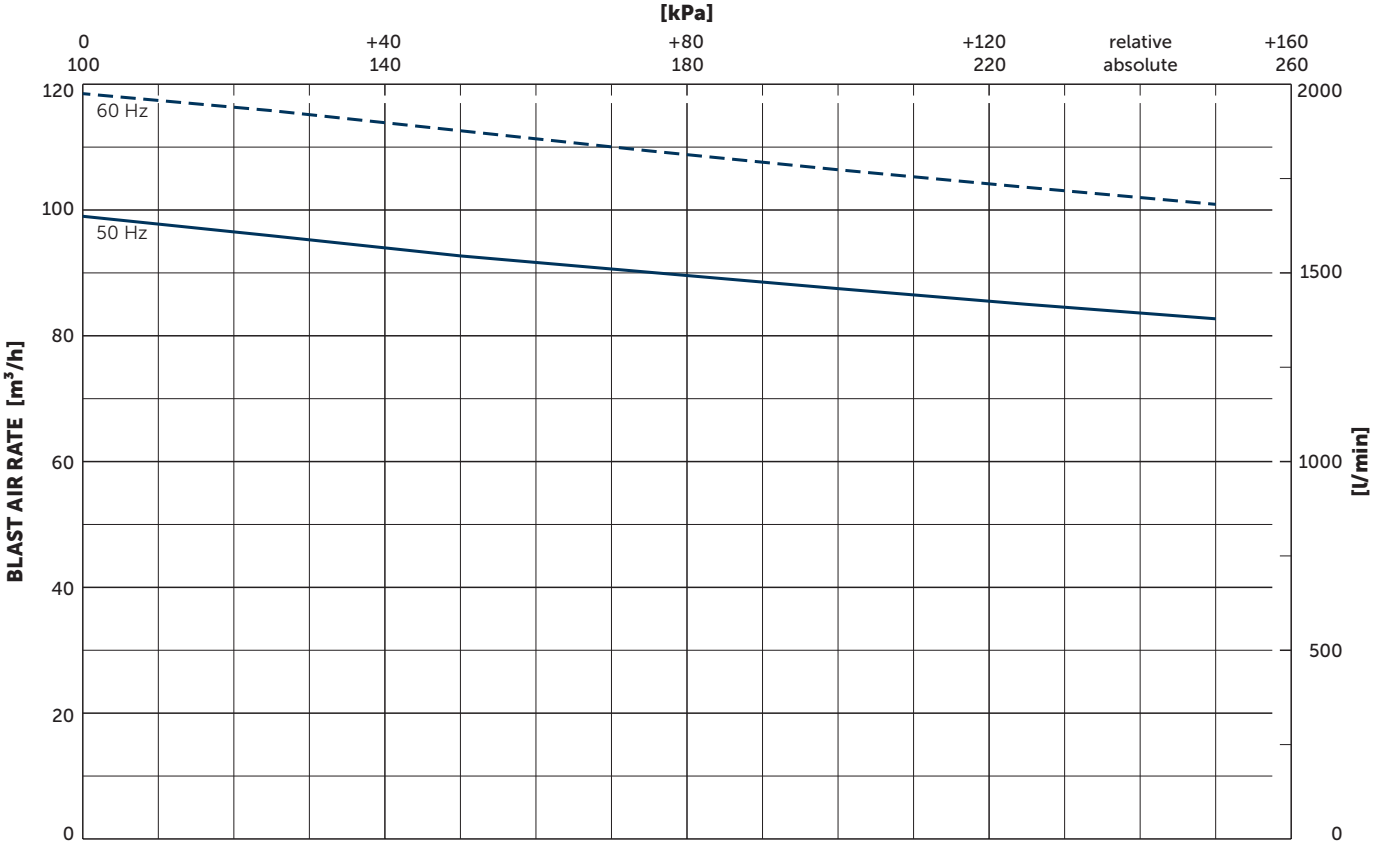


Blast air rate		Pressure relative		Motors		Emission sound pressure level ¹⁾		Weight w/o motor
m³/h		bar		kW		dB(A)		kg
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
99	118	+0.5	+0.5	4.0	4.8	75	77	71
99	118	+1.0	+1.0	5.5	6.6	76	78	71
99	118	+1.5	+1.5	5.5	6.6	76	78	71

¹⁾ According to DIN EN ISO 3744 (KpA = 3 dB(A)), 1 m [39.4 inch] distance, at medium load, both connection sides piped

3~ Motors												L	
#	50 Hz					60 Hz				Weight	Version	mm	
	kW	V	min ⁻¹	A	kW	V	min ⁻¹	A	kg		[inch]		
01	4.0	Δ230/Y400	IE3	1447	15.5/8.9	4.8	Δ265/Y460 Δ230/Y400	IE3 1722	1744 15.9/9.2	14.9/8.6	34.0	IP55 • ISO F • bimetal	829.0 [32.7]
02						4.5	YY230/Y460 YY208	IE3 1753	1759 18.7	18.4/9.2	41.0	UL(E235514) • CSA CC329B IP55 • ISO F • bimetal	862.0 [34.0]
03						4.8	YY230/Y460 YY208	IE3 1770	1781 18.4	15.4/8.9	58.0	UL(E235514) • CSA CC329B IP55 • ISO F • bimetal	950.0 [37.4]
04	4.0	Δ200/Y350	IE3	1465	20.3/11.7	4.5	Δ220/Y380–400 Δ200/Y350	IE3 1753	1760 19.0/11.0	18.5/10.7	40.0	UL(E235514) • CSA CC329B IP55 • ISO F • bimetal	862.0 [34.0]
05						4.5	Δ400	IE3	1763	9.8	40.0	UL(E235514) • CSA CC329B IP55 • ISO F • bimetal	862.0 [34.0]
06						4.8	Δ400	IE3	1775	10.75	64.5	UL(E365362) • CSA IP55 • ISO F • bimetal	966.5 [38.1]
07	5.5	Δ400	IE3	1468	12.3	6.6	Δ460 Δ400	IE3 1751	1764 12.4	12.0	53.0	IP55 • ISO F • bimetal	913.0 [36.0]
08						6.6	YY230/Y460 YY208	IE3 1760	1768 24.2	23.9/11.95	63.5	UL(E365362) • CSA IP55 • ISO F • bimetal	951.0 [37.5]
09	5.5	Δ200/Y350	IE3	1465	21.5/12.4	6.6	Δ220/Y380–400 Δ200/Y350	IE3 1740	1755 24.1/13.9	22.5/13–12.7	63.5	UL(E365362) • CSA CC334B IP55 • ISO F • bimetal	951.0 [37.5]
10						6.6	Δ400	IE3	1760	12.5	63.5	UL(E365362) • CSA CC334B IP55 • ISO F • bimetal	951.0 [37.5]

▪ Type plate data on current consumption and rotation speed of the motors may vary. Tolerance -1.5/+2% in each case.



Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)
Tolerance: $\pm 5\%$
Air temperature: 5°C ... 45°C (41°F ... 135°F)

VARIANTS AND ACCESSORIES

- **KDT 3.100/0-52** for short-time operation with +2.0 bar¹⁾
- **VARIAIR KDT 3.100/0-400** with frequency inverter¹⁾
- Increased corrosion protection
- External suction filter¹⁾
- Sound proof box SH 13¹⁾



VARIAIR KDT 3.100/0-400



Example for an external suction filter



Sound proof box SH 20

¹⁾ See separate data sheet

- Possible combinations on request



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