

KNB CORPORATION

2014

**Vacuum
Pump**



Applications

The fields of application listed below present just a small summary of the wide range of possible use of these units:

- Vacuum packaging
- Food technology
- Wood working
- Pneumatic conveying
- Transport and lifting systems
- Plastics industry

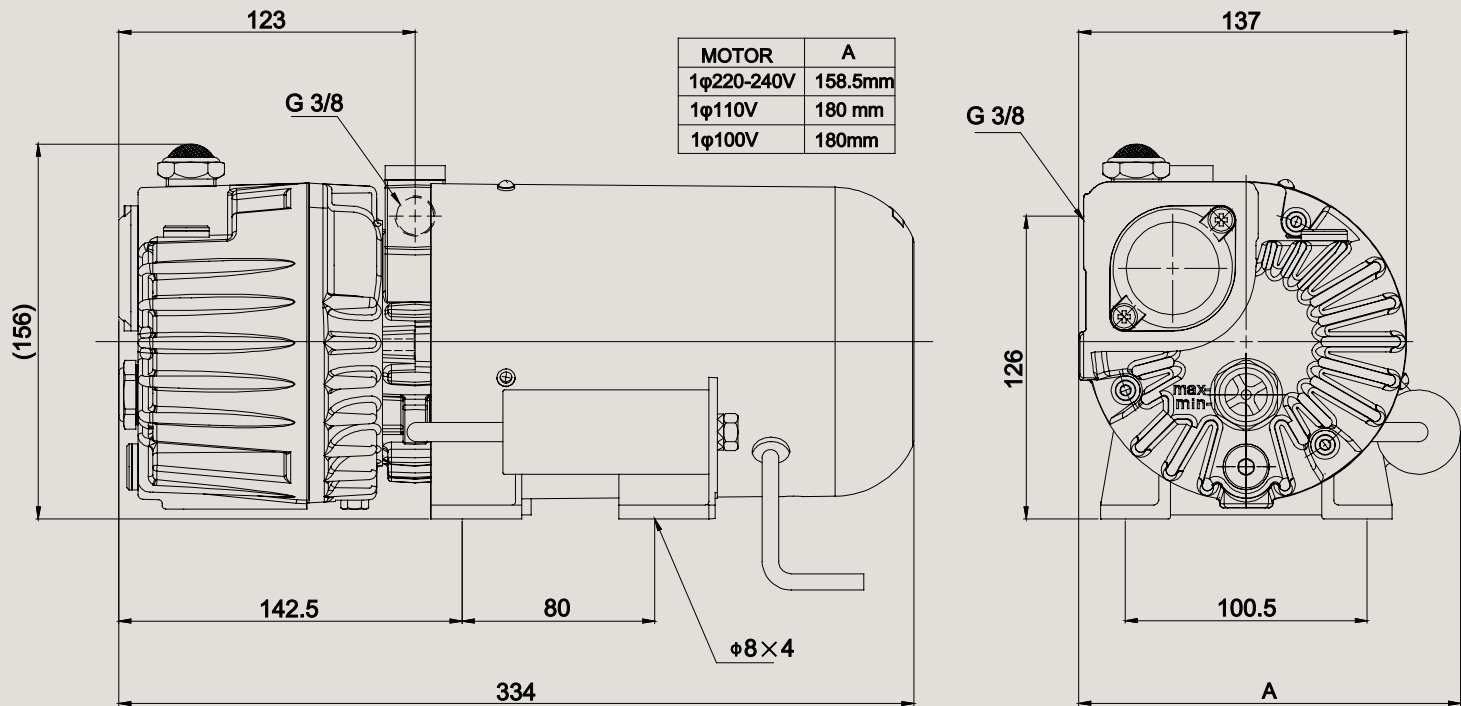
Product Features

- Quality components lead quiet, low-vibration and fast pumping speed operation
- Compact, reliable design leads easy installation and maintenance
- Multi-stage filtration system ensures minimum leakage (less 0.1%) of lubrication oil
- Air cooling, internal oil recirculation allows this pump to be used in any environment
- Long, service-free life



VACUUM PUMP - VA SERIES

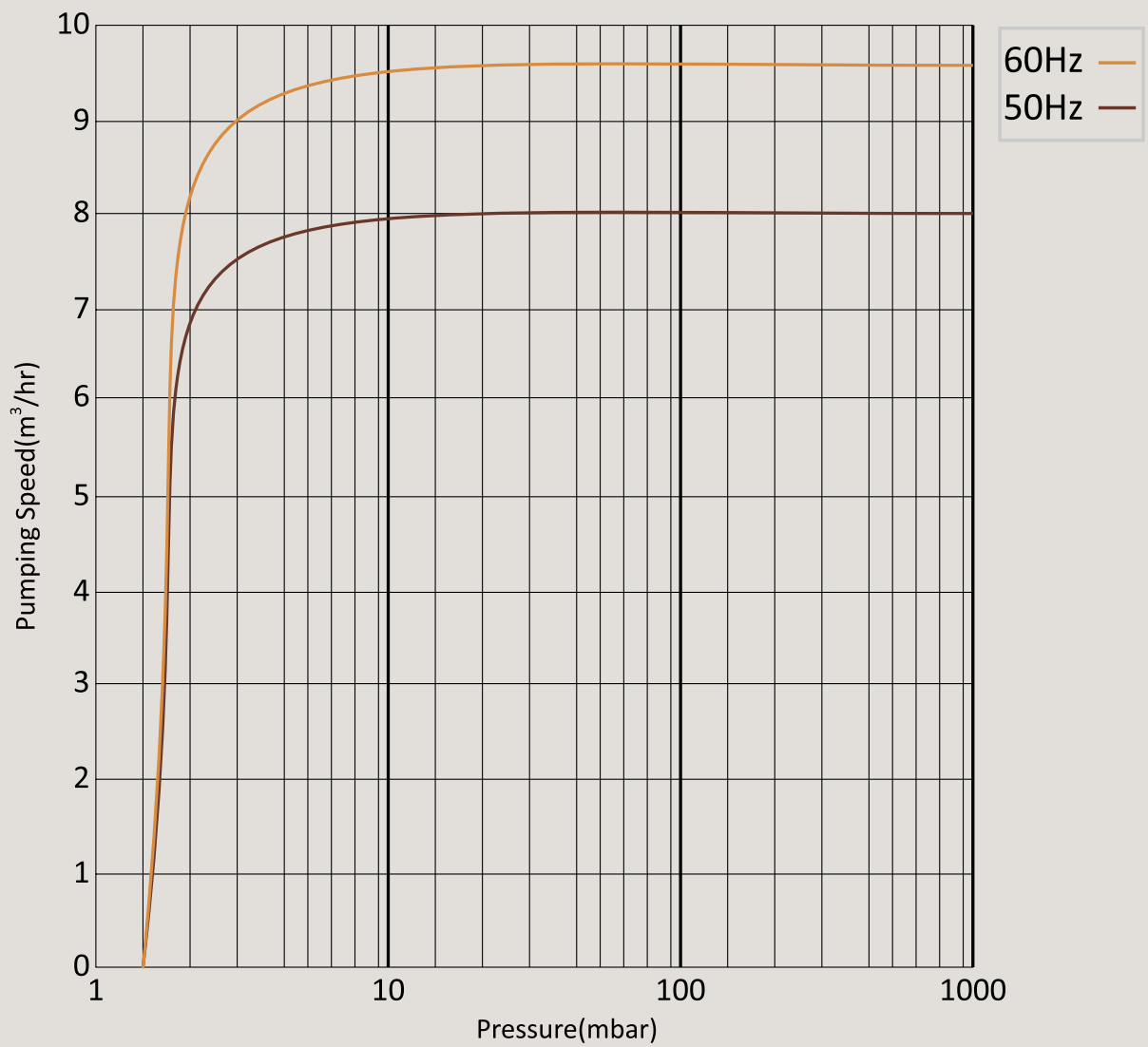
DIMENSIONS & CONSTRUCTIONS



Technical Data

- Volume flow
8 to 9.6 m³/hr
2 mbar
- CE approval
- Insulation Class: B (130°C)
- Degree of Protection: IP 20
- Mounting: Horizontal
- Voltage Tolerance: $\pm 10\%$ of nominal U

Performance Curve



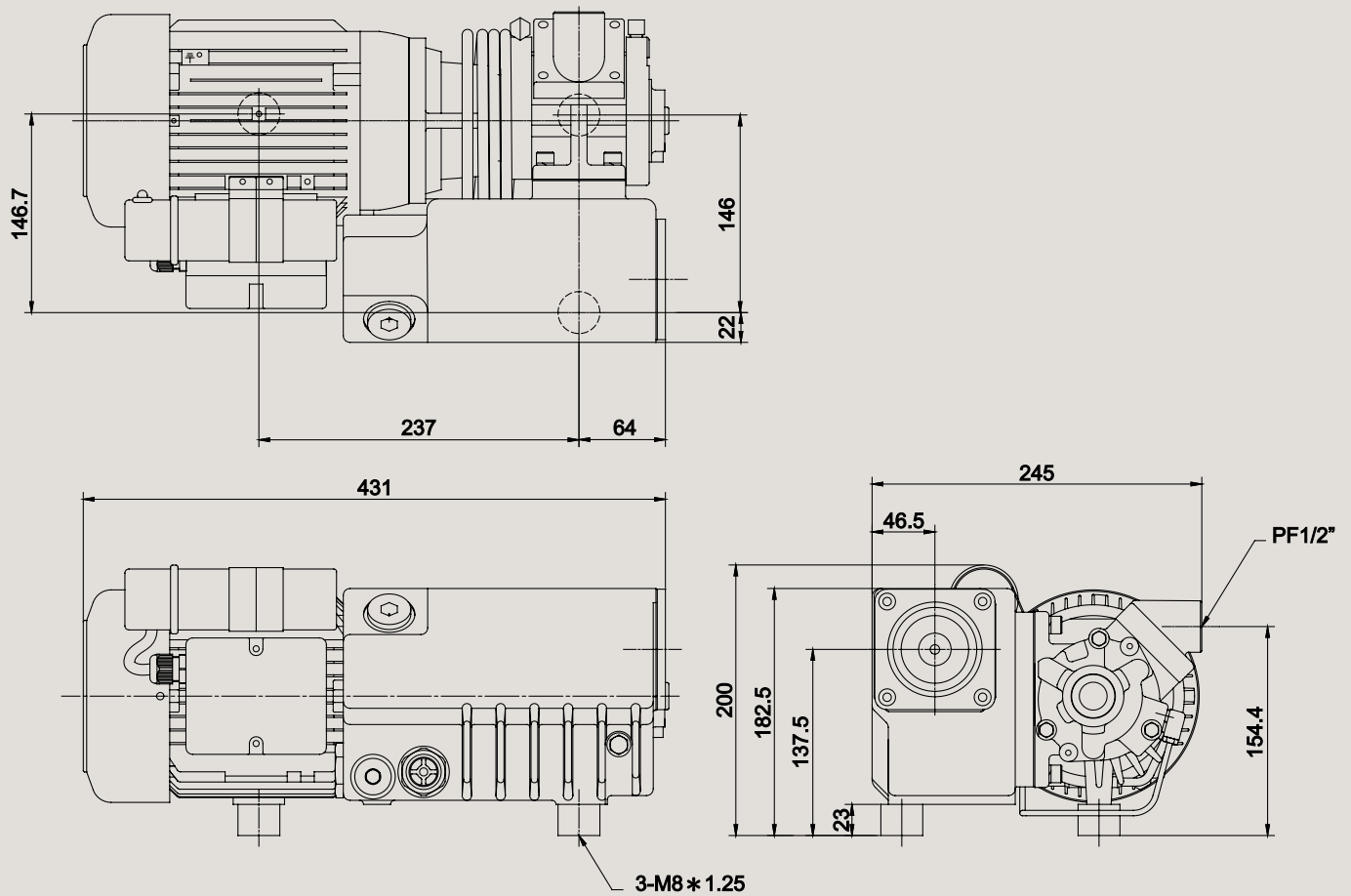
Specifications

Hz	Model	Phase	Ultimate Pressure mbar	Maximum Pumping Speed m³/hr	Motor ratings			Noise Level dB(A)	Oil Capacity L	Weight Kg
					Rated output kW	Voltage V	Rated Current Amps			
50	VA-5S1	1	2	8	0.35	200-240	2.4	59	0.25	9.5
	VA-5S2				0.35	110	5.5	60		
	VA-5S3				0.35	100	4.4	60		
60	VA-6S1	1	2	9.6	0.45	200-240	2.5	63	0.25	9.5
	VA-6S2				0.45	110	6.2	64		
	VA-6S3				0.45	100	6.8	64		

VACUUM PUMP - VA SERIES PERFORMANCE & SPECIFICATIONS

VACUUM PUMP - VB SERIES

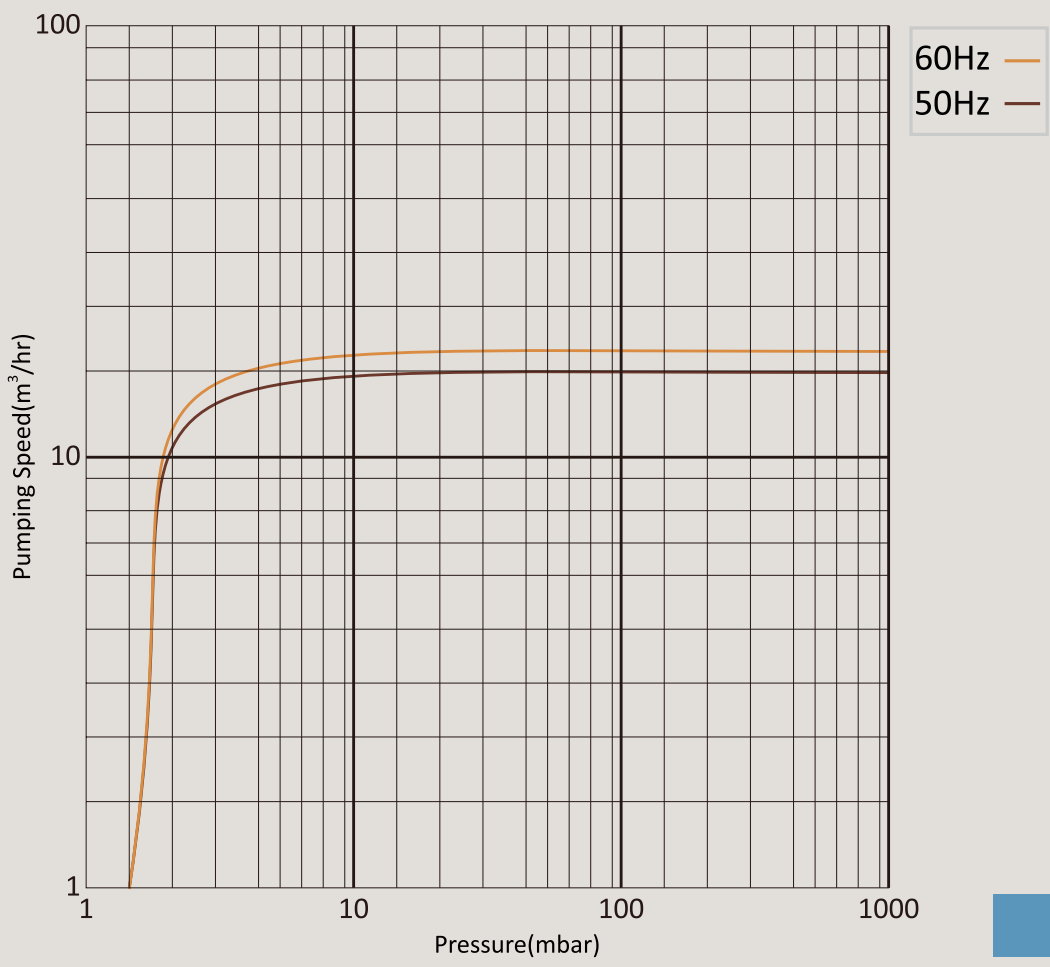
DIMENSIONS & CONSTRUCTIONS



Technical Data

- Volume flow
20 to 24 m³/hr
2 to 20 mbar
- CE approval
- Insulation Class: F (155°C)
- Degree of Protection: IP 54
- Mounting: Horizontal
- Voltage Tolerance: ±10% of nominal U

Performance Curve



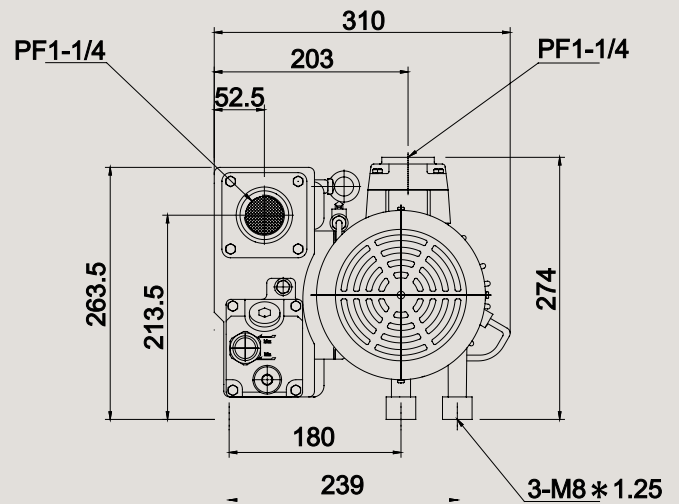
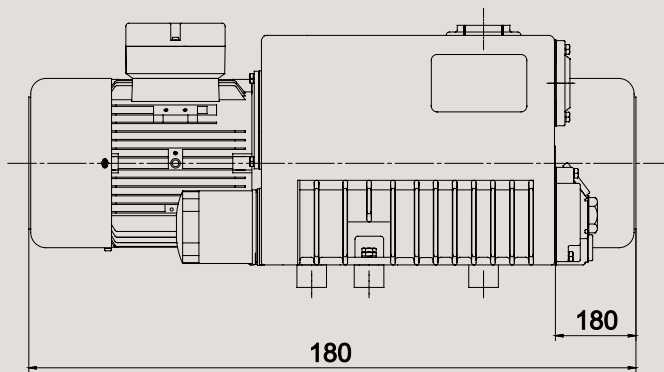
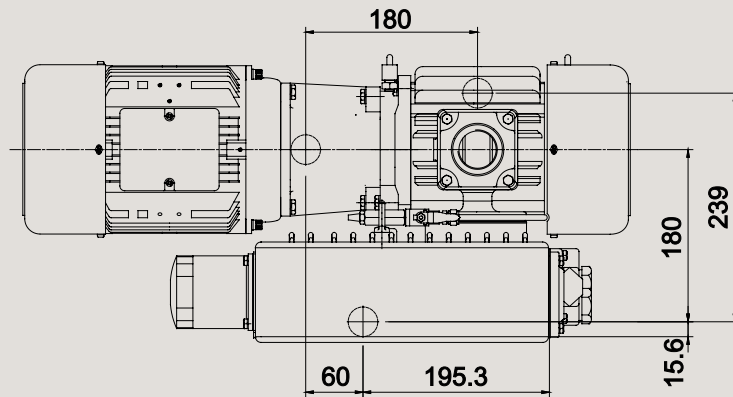
Specifications

Hz	Model	Phase	Ultimate Pressure	Maximum Pumping Speed	Motor ratings		Noise Level	Oil Capacity	Weight	
			mbar	m³/hr	Rated output	Voltage				Rated Current
					kW	V	Amps	L	Kg	
50	VB-5S1	1	2	20	0.76	100-120 / 200-240	7.5-12.2 / 4-6.8	0.5	25.3	
	VB-5S2		2		0.76	100	9.2			
	VB-5S3		2		0.76	200-240	4-6.8			
	VB-5S4	20	20		0.76	100-120 / 200-240	7.5-12.2 / 4-6.8			72
	VB-5S5		20		0.76	200-240	4-6.8			
	VB-5T1	3	2		0.76	200-240 / 380-440	2.5-2.9 / 1.5-1.9			21.9
	VB-5T2		20		0.76	200-240 / 380-440	2.5-2.9 / 1.5-1.9			
60	VB-6S1	1	2	24	0.92	100-120 / 200-240	9.8-9.0 / 5.3-4.8	0.5	25.3	
	VB-6S2		2		0.92	100	10.8			
	VB-6S3		2		0.92	200-240	4.6-4			
	VB-6S4	20	20		0.92	100-120 / 200-240	9.8-9.0 / 5.3-4.8			72
	VB-6S5		20		0.92	200-240	4.6-4			
	VB-6T1	3	2		0.92	200-240 / 380-440	2.7-2.5 / 1.6-1.5			21.9
	VB-6T2		20		0.92	200-240 / 380-440	2.7-2.5 / 1.6-1.5			

VACUUM PUMP - VB SERIES PERFORMANCE & SPECIFICATIONS

VACUUM PUMP - VC SERIES

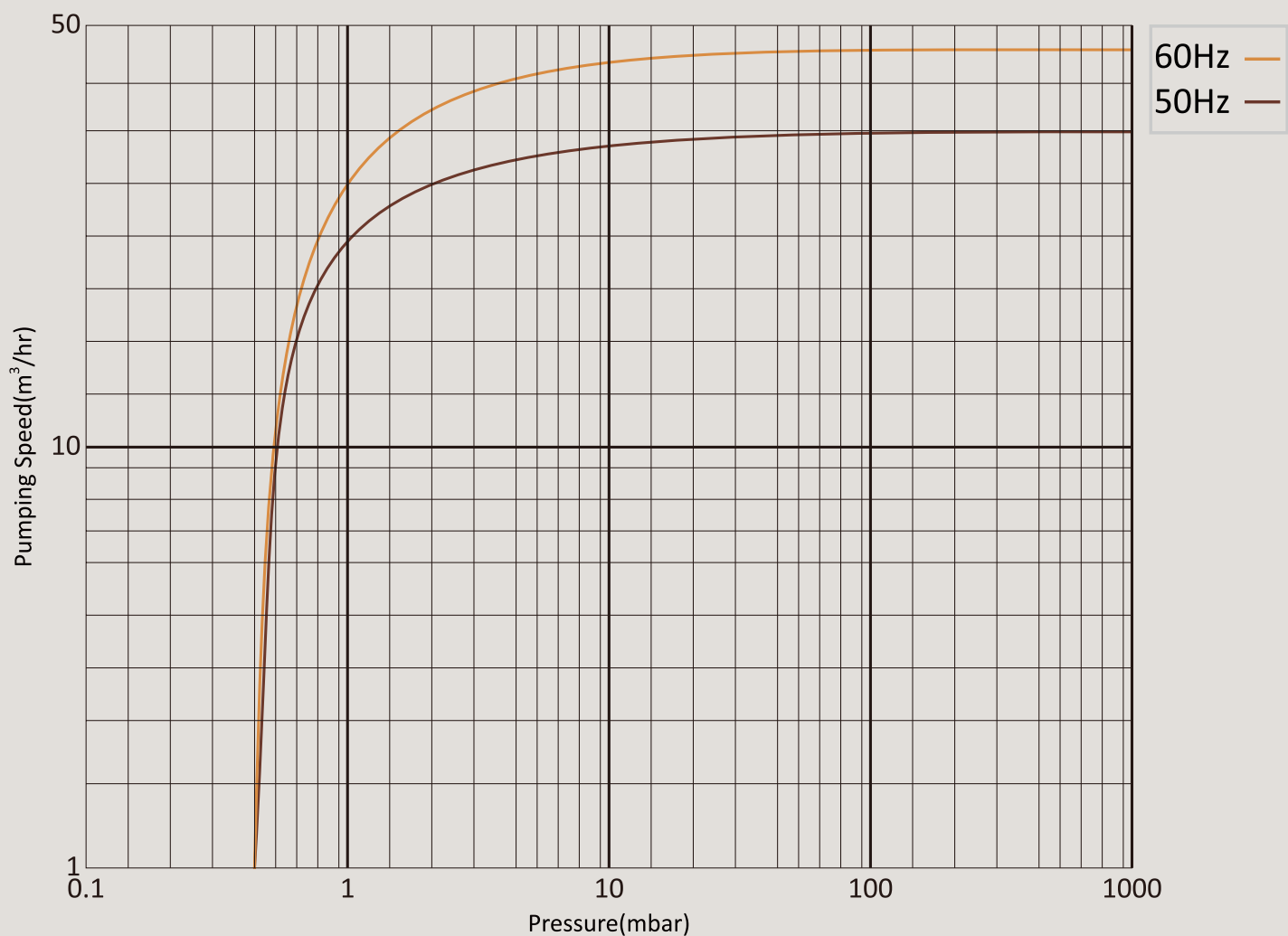
DIMENSIONS & CONSTRUCTIONS



Technical Data

- Volume flow
40 to 48 m³/hr
0.5 to 20 mbar
- CE approval
- Insulation Class: F (155°C)
- Degree of Protection: IP 54
- Mounting: Horizontal
- Voltage Tolerance: ±10% of nominal U

Performance Curve



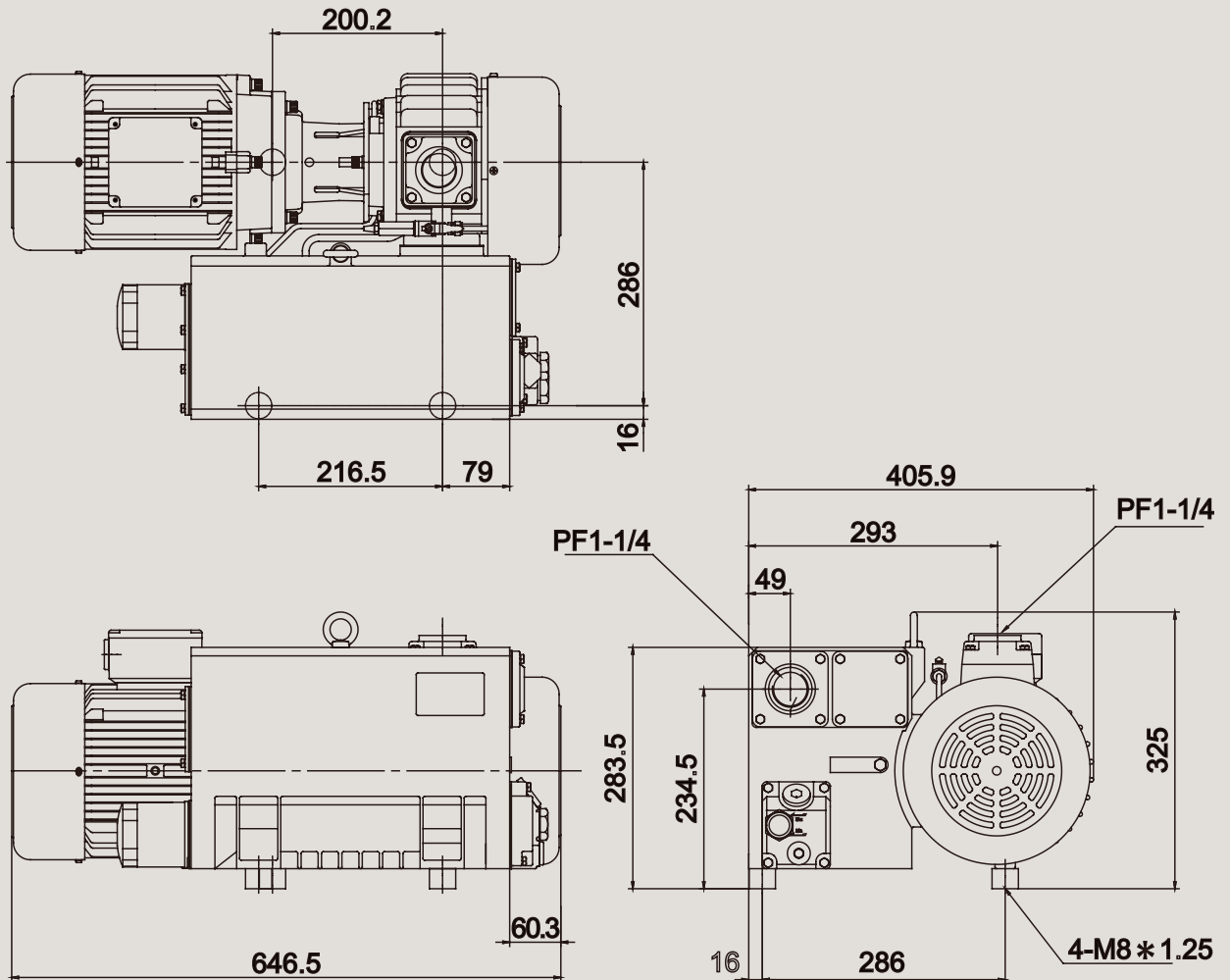
Specifications

Hz	Model	Phase	Ultimate Pressure	Maximum Pumping Speed	Rated output	Motor ratings		Noise Level	Oil Capacity	Weight
			mbar			kW	Voltage			
				m ³ /hr		V	Amps	dB(A)	L	Kg
50	VC-5T1	3	0.5	40	1.1	200-240 / 380-440	5.4-6.4 / 3.4-4.2	70	1	50
	VC-5T2		20							
60	VC-6T1	3	0.5	48	1.5	200-240 / 380-440	5.2-5.5 / 3.0-4.2	74	1	50
	VC-6T2		20							

VACUUM PUMP - VC SERIES PERFORMANCE & SPECIFICATIONS

VACUUM PUMP - VD SERIES

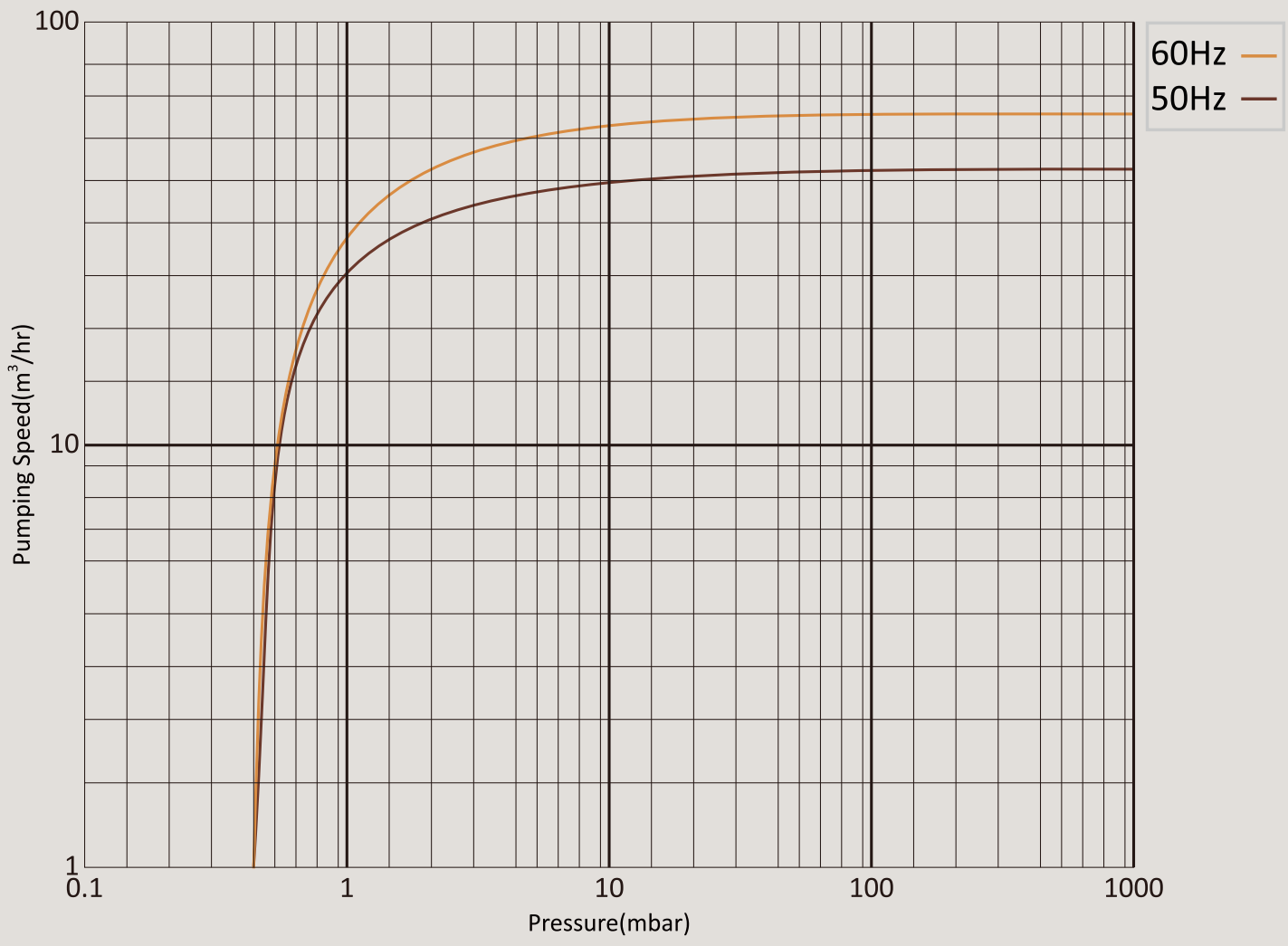
DIMENSIONS & CONSTRUCTIONS



Technical Data

- Volume flow
63 to 76 m³/hr
0.5 to 20 mbar
- CE approval
- Insulation Class: F (155°C)
- Degree of Protection: IP 54
- Mounting: Horizontal
- Voltage Tolerance: ±10% of nominal U

Performance Curve



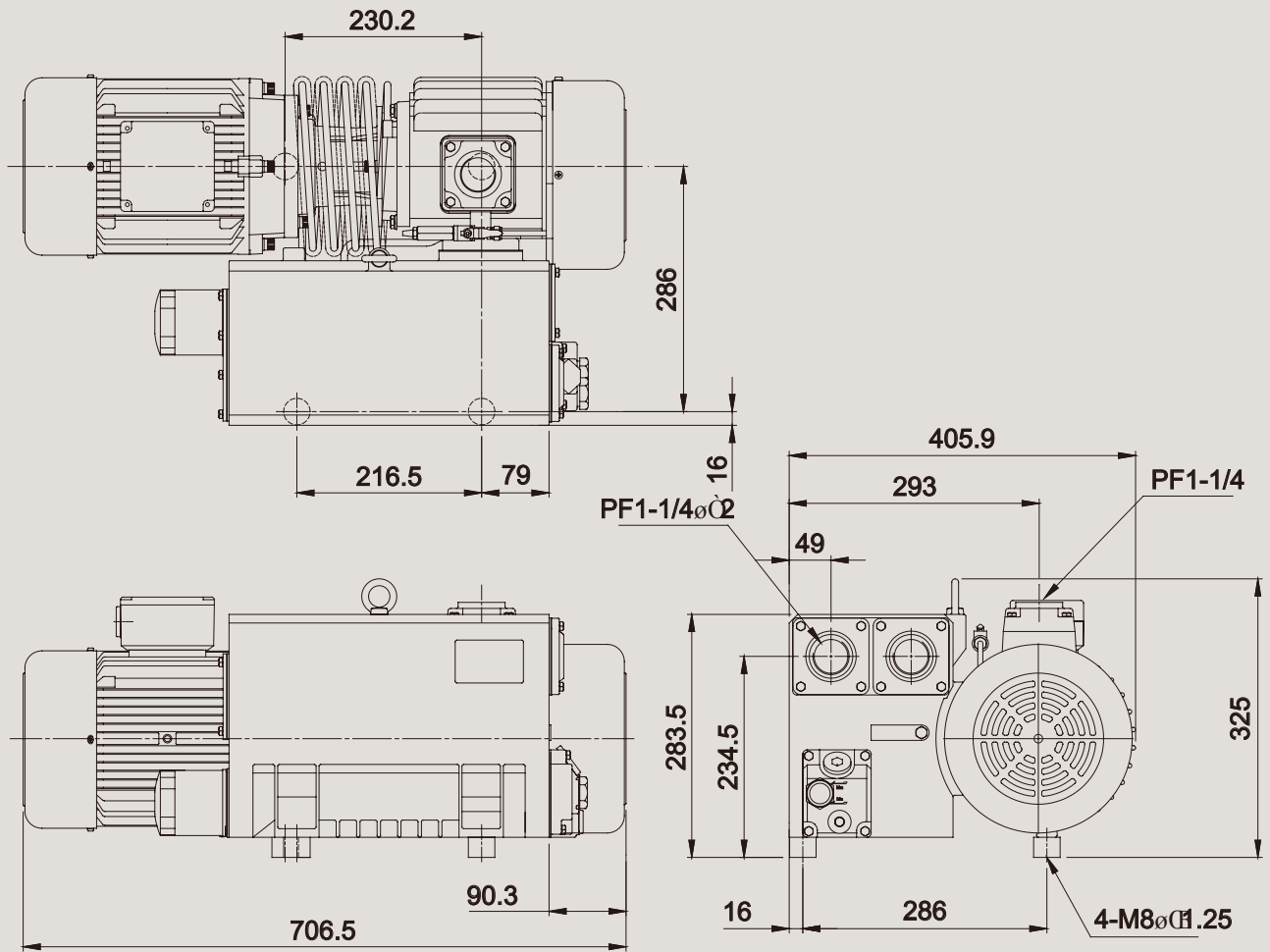
Specifications

Hz	Model	Phase	Ultimate Pressure	Maximum Pumping Speed	Motor ratings		Noise Level	Oil Capacity	Weight
			mbar	m³/hr	Rated output	Voltage			
					kW	V	Amps	L	Kg
50	VD-5T1	3	0.5	63	1.5	200-240 / 380-440	6.1-7.6 / 3.8-5.5	2	61.6
	VD-5T2		20		1.5	200-240 / 380-440	6.1-7.6 / 3.8-5.5		
60	VD-6T1	3	0.5	76	2.2	200-240 / 380-440	5.4-6.3 / 3.1-3.9	2	61.6
	VD-6T2		20		2.2	200-240 / 380-440	5.4-6.3 / 3.1-3.9		

VACUUM PUMP - VD SERIES PERFORMANCE & SPECIFICATIONS

VACUUM PUMP - VE SERIES

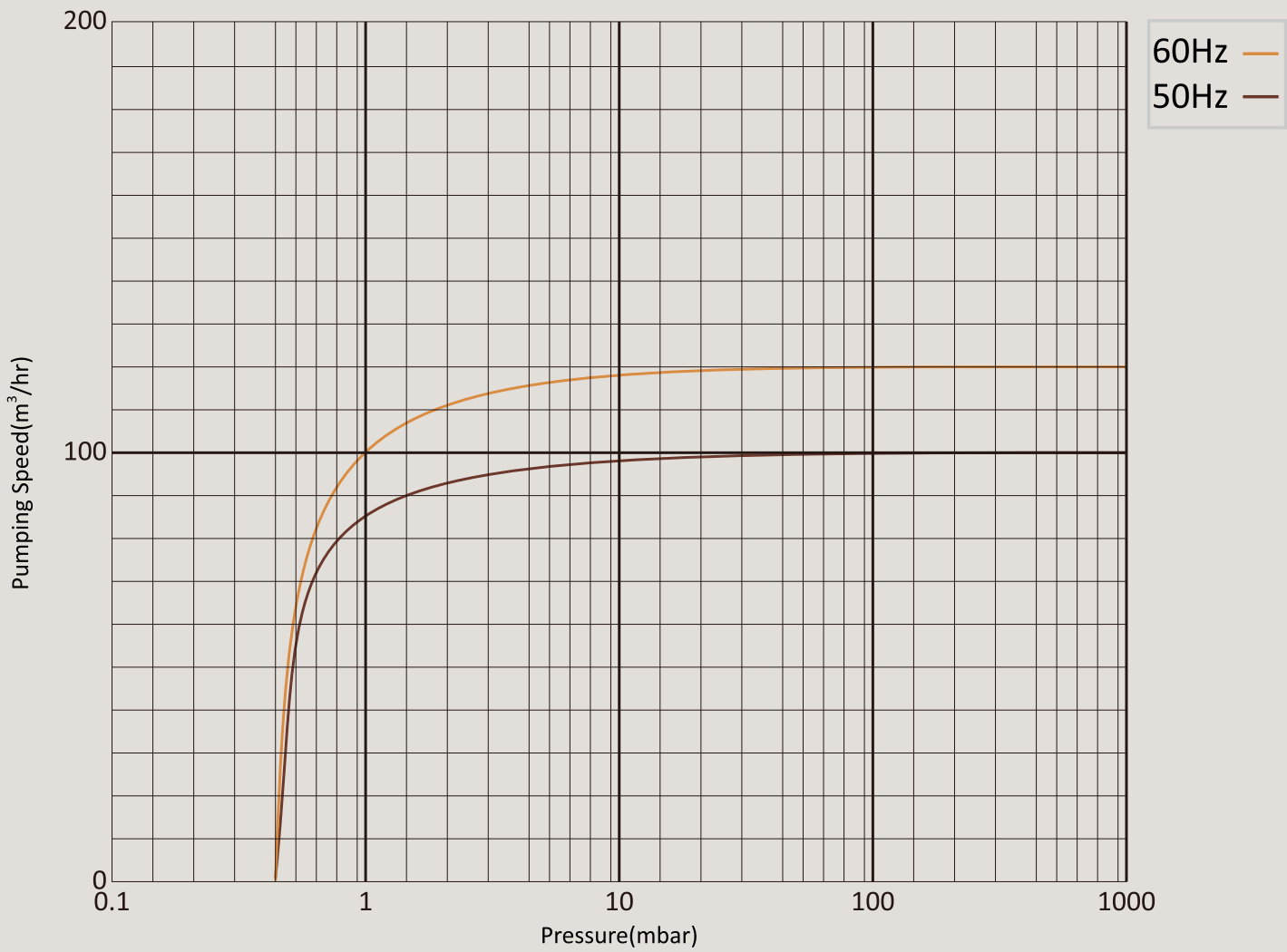
DIMENSIONS & CONSTRUCTIONS



Technical Data

- Volume flow
100 to 120 m³/hr
0.5 to 20 mbar
- CE approval
- Insulation Class: F (155°C)
- Degree of Protection: IP 54
- Mounting: Horizontal
- Voltage Tolerance: ±10% of nominal U

Performance Curve



Specifications

Hz	Model	Phase	Ultimate Pressure	Maximum Pumping Speed	Rated output	Motor ratings		Noise Level	Oil Capacity	Weight
			mbar	m³/hr		Voltage	Rated Current			
					kW	V	Amps	dB(A)	L	Kg
50	VE-5T1	3	0.5	100	3.0	200-240 / 380-440	6.5-8.0 / 4.5-5.2	74	2	70
	VE-5T2		20							
60	VE-6T1	3	0.5	120	3.5	200-240 / 380-440	6.6-6.8 / 3.8-4.2	76	2	70
	VE-6T2		20							

VACUUM PUMP - VE SERIES PERFORMANCE & SPECIFICATIONS



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