

VCX- B S E R I E S Claw Vacuum Pumps



VCX- 60, 100



Dry Running - Oil Free – Contact Free Design

- **Simple Modular Construction**
- **Air cooled & Direct Driven**
- **Low maintenance – No wear**
- **High Efficiency – Continuous Duty**

Applications:

Packaging, CNC Routing, Wood Works, Pneumatic Conveying, Holding & Lifting, Pick and Place, Medical & Lab., Plastics Industries, Central Vacuum Systems.

Safety: CE certified (DOC)

General Description:

The VCX-B Series pumps are dry contact-less vacuum pumps with modular constructions consisting of compartments: pumping and gear chambers are separated by using labyrinth seals., As two claws rotate in opposite direction, the air will be sucked in the pumping chamber, compressed and discharged under pressure. In gear chamber, two gears for synchronizing of claws rotation will be placed with appropriate oil lubrication. A built in anti-suck back valve installed in inlet flange will prevent the air from flowing back into the vacuum chamber when the pump is shutdown. The pumps are directly driven by a flanged motor via a coupling.

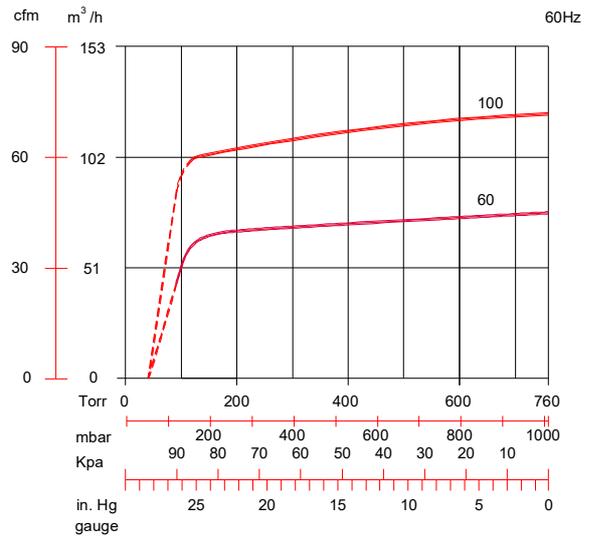
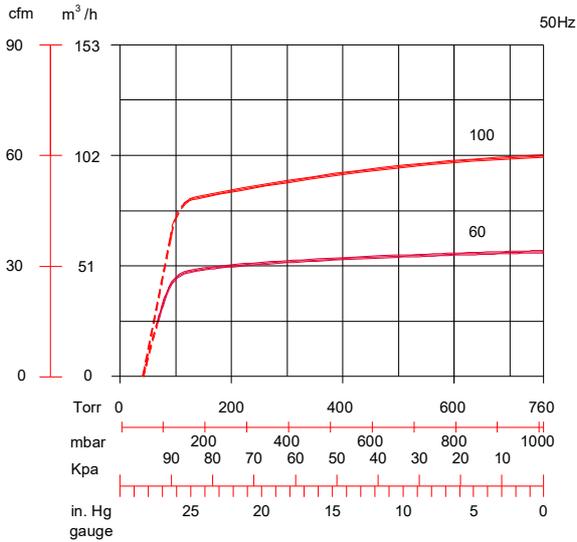
Specifications:

Model		VCX 60	VCX 100
M3/ Hour	60Hz	72	120
	50Hz	60	100
Ulti. Va. Max.	Torr	37.5 (50mbar abs)	
Ulti. Va. Conti.	Torr	75	112.5
Kw	60Hz	1.5	2.6
	50Hz	1.1	2.2
RPM	60/50Hz	3450/2850	
Voltage Available		208~230/460V, 220~240 /380~420V, 400/690V	
dB(A), Average	60Hz	80	77
	50Hz	78	76
Oil Capa (Gear box)	Ltr	0.6	0.75
Inlet / Outlet Conn.	**BSP(G)	1"	1-1/2"
L* x W x H (mm)	60Hz	758x321x461	720x548x399
	50Hz	736x321x461	709x548x399
Amb. Operating Temp.	(°C)	5°C ~40°C	
Approx. *Weight (Kg).	60Hz	60	111
	50Hz	55	106
Accessories	Non Return Valve, Vacuum Regulator, Exhaust Silencer		

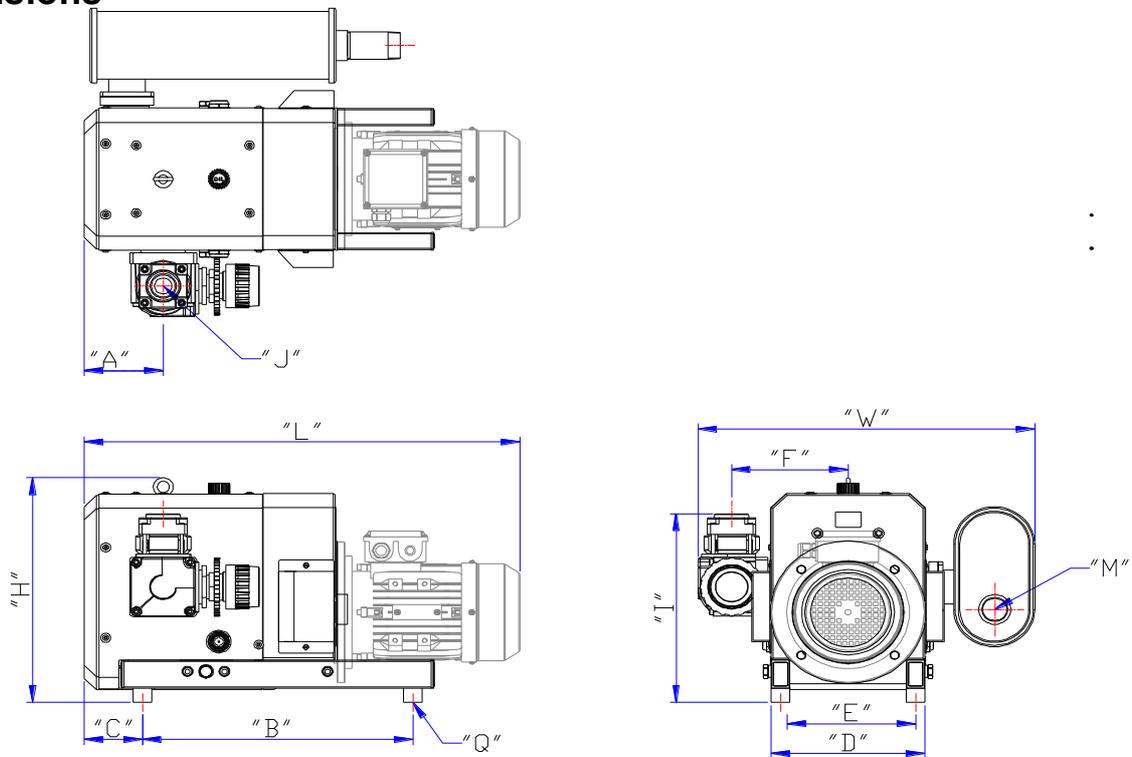
Note: 1) * Length varies to motor mfg 2) **NPT threads available upon request

**VCX-B
SERIES
Claw Vacuum Pumps**

**VCX- 60, 100
Performance Curve**



Dimensions



DIMENSIONS	L	W	H	B	C	E	D	F	A	I	J	M	Q
VCX-60 (1.1, 1.5Kw)	736/758	321	461	247	194	144	174	120	162	235	1"	1"	4x M8
VCX-100 (2.2, 3Kw)	709/720	548	399	440	98	224	254	201	128	334	1-1/2"	1-1/2"	4x M8

**VCX
SERIES
Claw Vacuum Pumps**



VCX- 105A, 155A



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Specifications:

Model		VCX 105A	VCX 155A
M3/ Hour	60Hz	120	180
	50Hz	100	150
Ulti. Va. Max.	Torr	37.5 (50mbar abs)	
Ulti. Va. Conti.	Torr	75	
Kw	60Hz	3	4
	50Hz	2.2	3
RPM (motor)	60/50Hz	3450 / 2850	
Voltage Available		208~230/460V, 220~240 / 380~420V, 400/690V	
dB(A), Max +- 3 tolerance	60Hz	76	77
	50Hz	71	73
Oil Capa (Gear box)	Ltr	0.4	
Inlet / Outlet Conn.	**BSP(G)	1-1/2"	
W x H (mm)		434 x 524	
L* (mm)	60Hz	797	822
	50Hz	774	797
Amb. Operating Temp.	(°C)	5°C ~40°C	
Accessories		Non Return Valve, Vacuum Regulator, Exhaust Silencer	

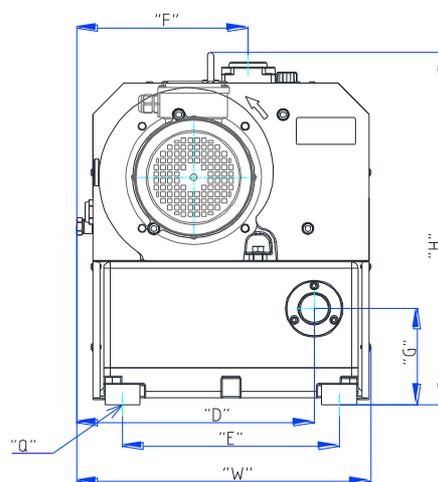
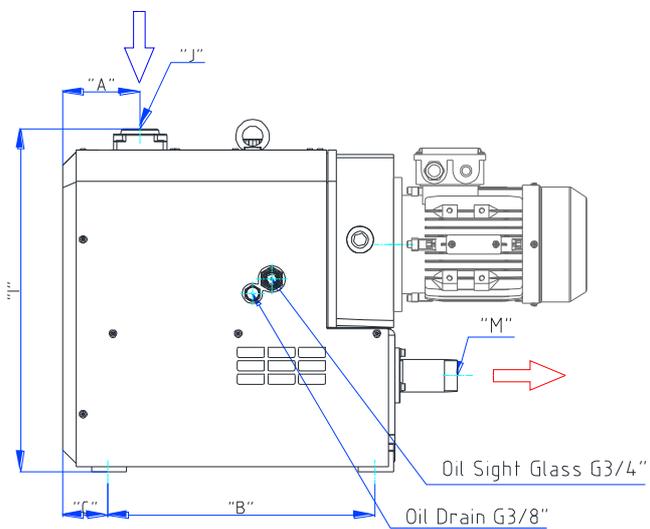
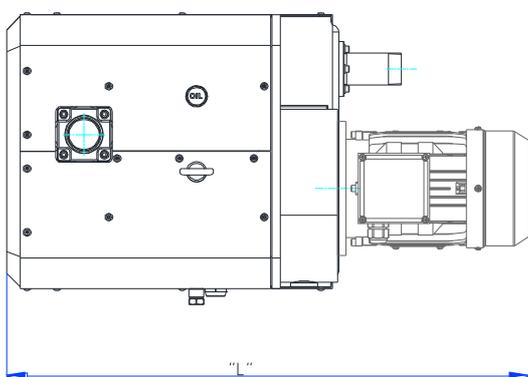
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**VCX
SERIES
Claw Vacuum Pumps**



VCX- 105A, 155A

Dimensions



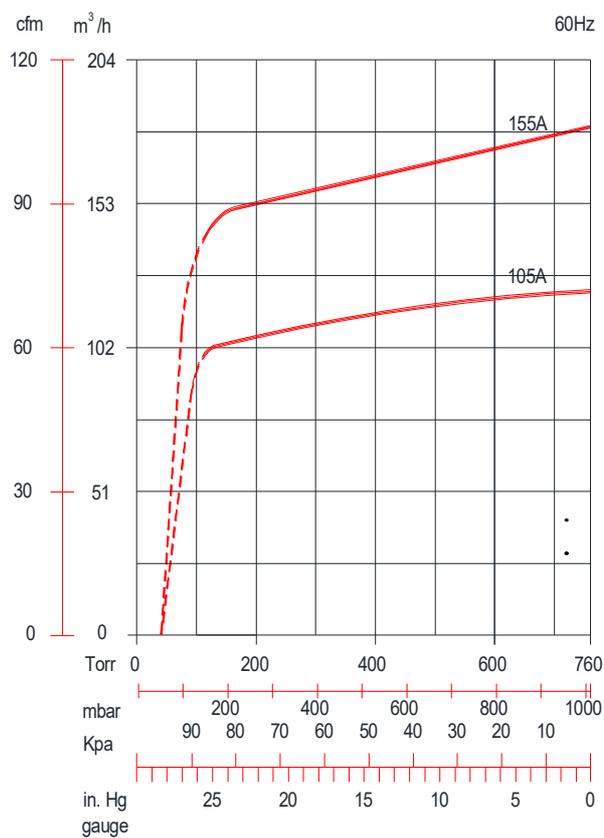
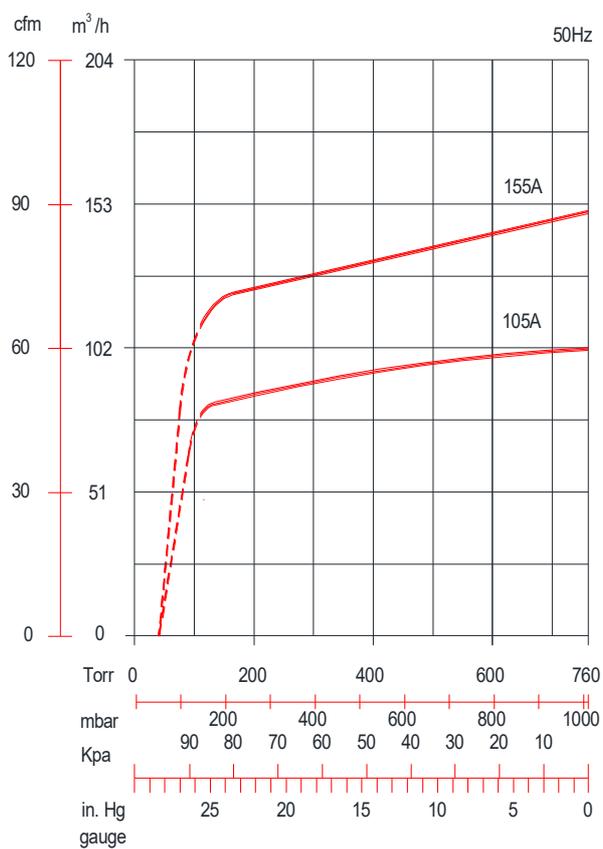
Dimensiosn(mm)		L	W	H	A	B	C	D	E	F	G	I	J	M	Q
VCX-105A	2.2Kw/3Kw	774/797	434	524	114	394	67	350	320	253	143	510	1-1/2"	1-1/2"	M10 Tap
VCX-155A	3Kw/4Kw	797/822	434	524	96	394	67	350	320	253	143	510	1-1/2"	1-1/2"	M10 Tap

**VCX
SERIES
Claw Vacuum Pumps**



VCX- 105A, 155A

Performance Curve



**VCX
SERIES
Claw Vacuum Pumps**



VCX- 255, 305, 405 & 515



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Specifications:

Model		VCX 255	VCX 305	VCX 405	VCX 515
M3/ Hour	60Hz	300	360	480	600
	50Hz	250	300	400	500
Ulti. Va. Max.	Torr	37.5 Torr (50mbar abs)			
Ulti. Va. Conti.	Torr	150			
Kw	60Hz	5.5	6.6	9	11
	50Hz	4.3	5.5	7.5	9
RPM (motor)	60/50Hz	3450 / 2850			
Voltage Available		208~230/460V, 220~240 / 380~420V, 400/690V			
dB(A), Max +- 3 tolerance	60Hz	80	80	80	82
	50Hz	78	78	78	80
Oil Capa (Gear box)	Ltr	0.8		1.5	
Inlet / Outlet Conn.	**BSP(G)	2"		3"	
W x H (mm)		501 x 685	501 x 685	586 x 695	586 x 695
L* (mm)	60Hz	961	975	1105	1291
	50Hz	961	975	1065	1120
Amb. Operating Temp.	(°C)	5°C ~40°C			
Accessories		Non Return Valve, Vacuum Regulator, Exhaust Silencer			

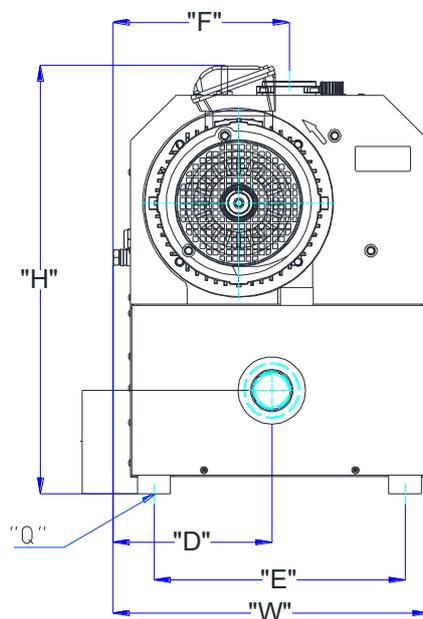
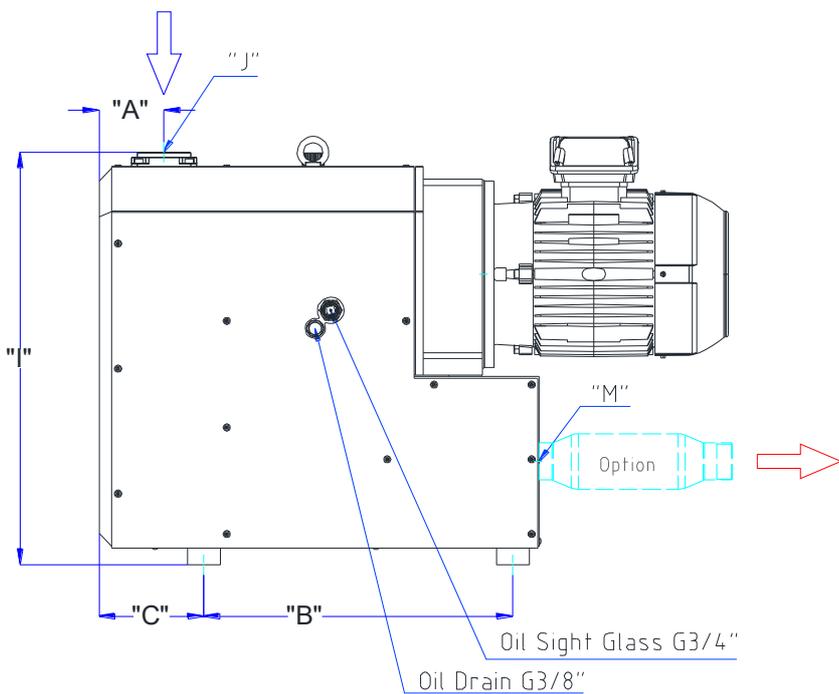
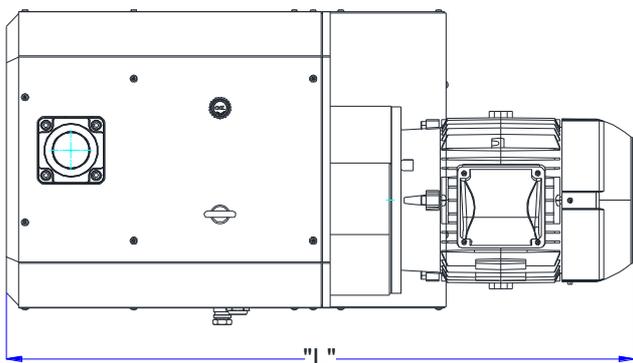
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**VCX
SERIES
Claw Vacuum Pumps**



VCX- 255, 305, 405 & 515

Dimensions



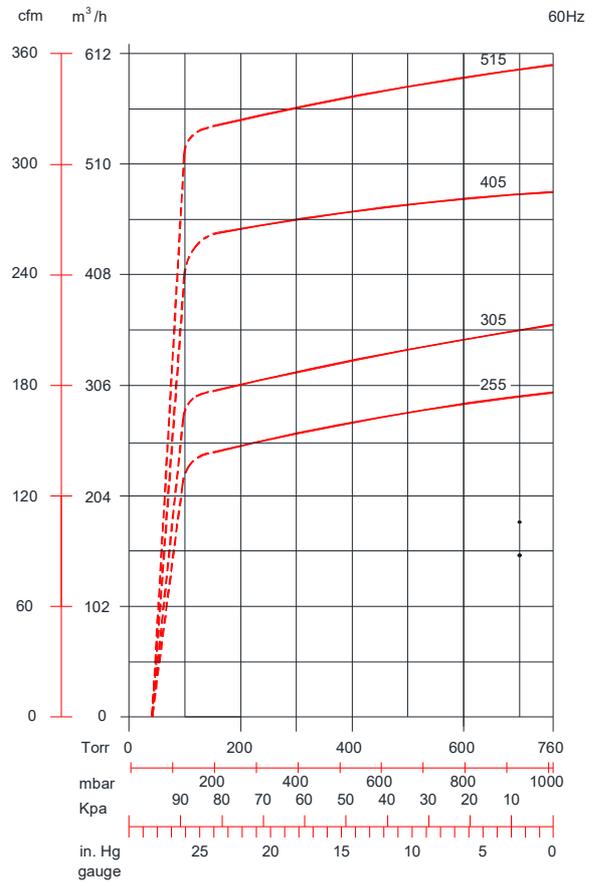
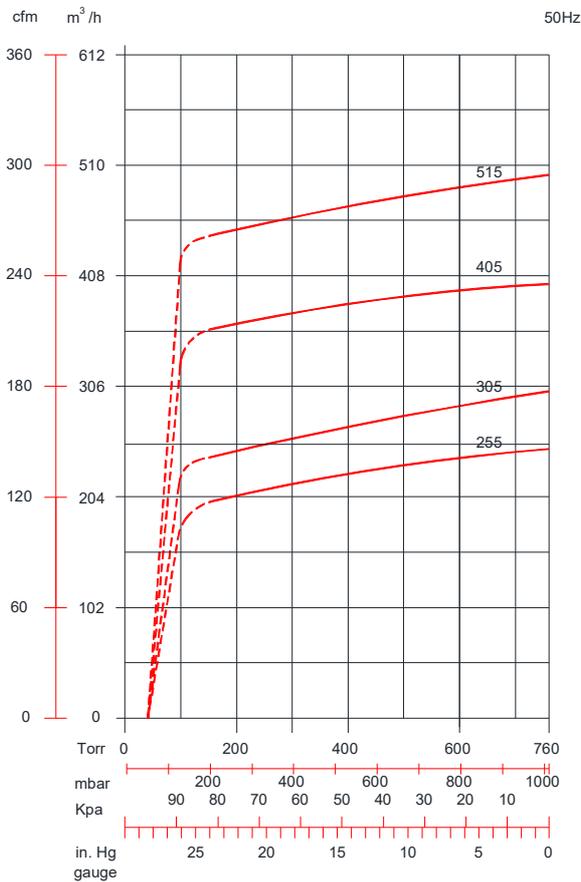
Dimensions (mm)	L	W	H	A	B	C	D	E	F	G	I	J	M	Q
VCX-255 4.5Kw, 5.5Kw	961	501	685	103	490	166	252	398	279	166	660	2"	2"	M10 Tap
VCX-305 5.5Kw, 7.5Kw	975	501	685	103	490	180	252	398	279	166	660	2"	2"	M10 Tap
VCX-405 7.5Kw / 9.2Kw	1065 / 1105	856	752	179	502	222	306	460	390	178	695	3"	3"	M12 Tap
VCX-515 9.2Kw / 11Kw	1120 / 1290	586	752	179	502	238	306	460	390	178	695	3"	3"	M12 Tap

**VCX
SERIES
Claw Vacuum Pumps**



VCX- 255, 305, 405 & 515

Performance Curve



**VCX
SERIES
Claw Vacuum Pumps**



VCX - 1005



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CE certified



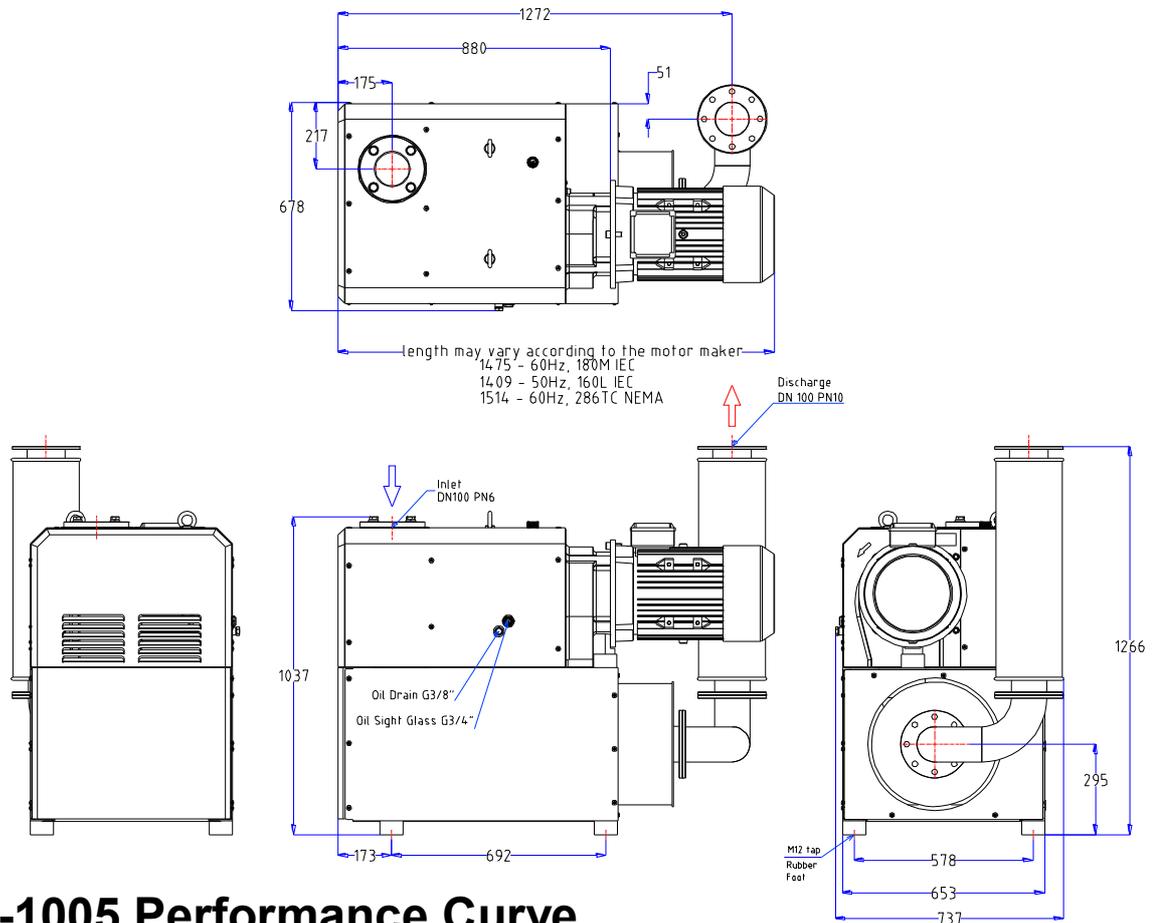
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Specifications:

Model	VCX 1005	
M3 / Hour (cfm)	60Hz	1140 (670cfm)
	50Hz	950 (558cfm)
Ultimate Va. Max.	Torr	37.5 (50mbar abs)
Ultimate Va. Continuous	Torr	150
Kw(Hp)	60Hz	22 (30Hp)
	50Hz	18.5 (25Hp)
RPM	60/50Hz	3450/2850
Voltage Available	220~240/380~420V x 50/60Hz, 400/690Vx 50Hz, 208~230/460V x 60Hz	
dB(A), Max +- 3 tolerance	60Hz	85
	50Hz	82
Oil Capacity (Gear box)	Ltr	2.8
Inlet / Outlet Connection	Flange	DN 100 PN6 / DN100 PN10
Amb. Operating Temp.	(°C)	5~40
Accessories	Non Return Valve, Vacuum Regulator, Exhaust Silencer	

VCX-1005 Dimensions



VCX-1005 Performance Curve

