

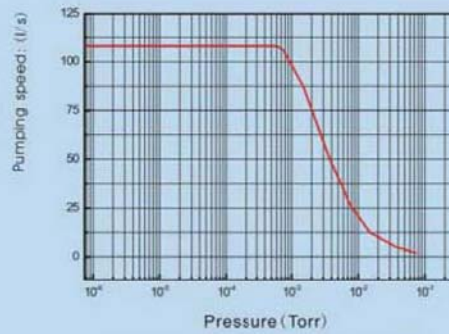
ТУРБОМОЛЕКУЛЯРНЫЕ ВАКУУМНЫЕ НАСОСЫ



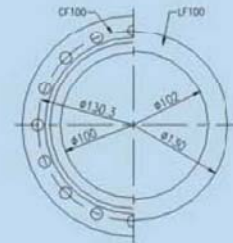
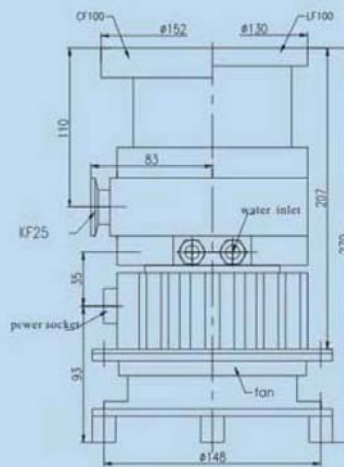
KYKY

KYKY TECHNOLOGY DEVELOPMENT LTD.

● F-100/110E Turbomolecular Pump (110 l/sec)



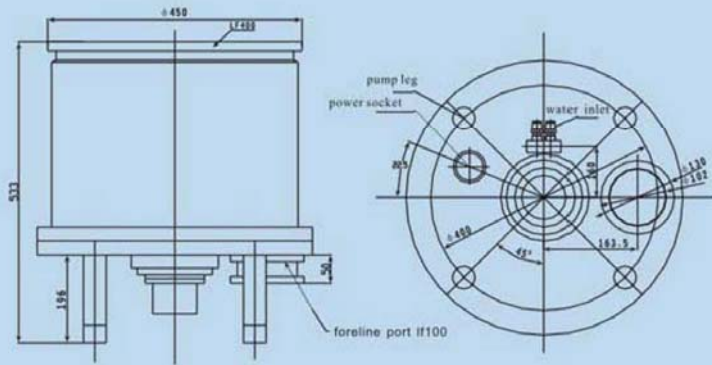
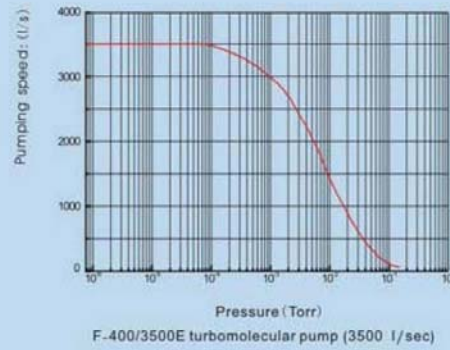
F-100/110E turbomolecular pump (110 l/sec)



Specification:

Part Number	110E-LF	110E-CF
Pump Type	Turbo	Turbo
Inlet Flange	ISO-100	CF-100
Outlet Flange	ISO-25	ISO-25
Pumping Speed(Air)(l/s)	110	110
Pressure for Max Speed (torr)	7.5×10^{-4}	7.5×10^{-4}
Rotation Speed(RPM)	42,300	42,300
H ₂ Compression Ratio	5×10^2	5×10^2
N ₂ Compression Ratio	1×10^8	1×10^8
Ultimate Vacuum (torr)	4.5×10^{-8}	4.5×10^{-9}
Run up time (min)	< 2	< 2
Control Unit	FD-110A	FD-110A
Input Voltage(VAC)	220/110 ± 10%	220/110 ± 10%
Cooling water (GPM)	>0.5	>0.5
Bearing type	Ceramic	Ceramic
Lubrication	Oil	Oil
Operating Orientation	Vertical or Horizontal	Vertical or Horizontal
Weight (lb/kg)	18/8	18/8

● **F-400/3500E Turbomolecular Pump (3500 l/sec)**



Dimension drawing for F-400/3500E turbomolecular pump (3500 l/sec)

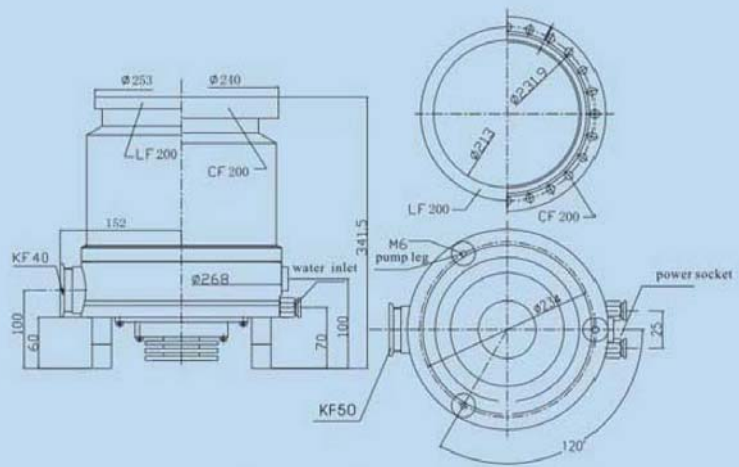
Specification:

Part Number	3500E-LF
Pump Type	Turbo
Inlet Flange	ISO-400
Outlet Flange	ISO-100
Pumping Speed (Air)(l/s)	3,500
Pressure for Max Speed (torr)	7.5×10^{-3}
Rotation Speed(RPM)	13,500
H ₂ Compression Ratio	5×10^2
N ₂ Compression Ratio	$>1 \times 10^8$
Ultimate Vacuum (torr)	4.5×10^{-8}
Run up time (min)	< 20
Control Unit	FD3500K
Input Voltage(VAC)	$220 \pm 10\%$
Cooling water (GPM)	>0.5
Bearing type	Ceramic
Lubrication	Oil
Operating Orientation	Vertical ($\pm 5^\circ$)
Weight (lb/kg)	265/120

FF-200/1300E Compound Molecular Pump (1300 l/sec)



FF-200/1300E compound molecular pump (1300 l/sec)



Dimension drawing for FF-200/1300E compound molecular pump (1300 l/sec)

Specification:

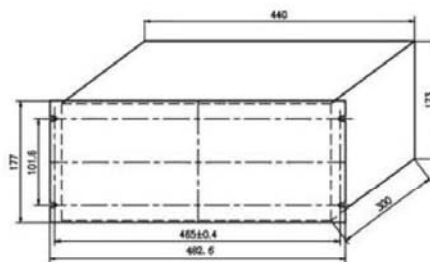
Part Number	1300E-LF	1300E-CF
Pump Type	Drag	Drag
Inlet Flange	ISO-200	CF-200
Outlet Flange	ISO-40	ISO-40
Pumping Speed (Air)(l/s)	1300	1300
Pressure for Max Speed (torr)	7.5×10^{-3}	7.5×10^{-3}
Rotation Speed(RPM)	24,000	24,000
H ₂ Compression Ratio	1×10^3	1×10^3
N ₂ Compression Ratio	1×10^9	1×10^9
Ultimate Vacuum (torr)	4.5×10^{-8}	4.5×10^{-9}
Run up time (min)	< 6	< 6
Control Unit	FD-1300K	FD-1300K
Input Voltage(VAC)	220/110 ± 10%	220/110 ± 10%
Cooling water (GPM)	>0.5	>0.5
Bearing type	Ceramic	Ceramic
Lubrication	Grease	Grease
Operating Orientation	Any	Any
Weight (lb/kg)	64/29	64/29

Power Supplies/Drive Controls

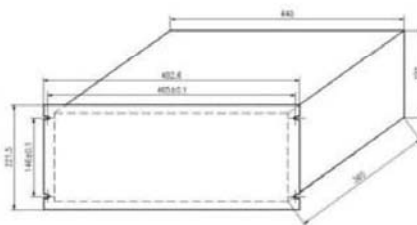


FD-110A

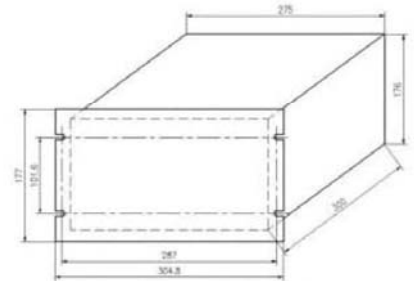
The rotor of every turbo pump must be driven and controlled. This is done using electronic drives that are form a separate unit depending on the design of the turbo pump. There are two kinds of drive units depend on the feature of the pump's motors: DC drive and AC drive .The model FD-110A is DC drive while as FD-XXX K (H) series is AC drive...



Dimension drawing for FD-600K\FD-600H
FD-700K\FD-1200K\FD-1300K\FD-1500K



Dimension drawing for FD-3500K



Dimension drawing for
FD-600H\FD-600K (110V)

Specification:

Electronic Control Unit	FD-110A	FD-600H	FD-600K	FD-700K	FD-1200K	FD-1300K	FD-1500K	FD-3500K
Applicable Pump	110 l/s	600 l/s	600 l/s	700 l/s	1,200 l/s	1300 l/s	1,500 l/s	3,500 l/s
Drive Type (AC/DC)	DC	AC	AC	AC	AC	AC	AC	AC
Input Voltage (VAC)	220/110 ± 10%	220/110 ± 10%	220/110 ± 10%	220/110 ± 10%	220 ± 10%	220 ± 10%	220 ± 10%	220 ± 10%
Input Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Maximum Output Power (W)	300	1000	1000	800	1000	800	1000	1500
Output Frequency (Hz)	705 ± 10	600 ± 10	450 ± 10	600 ± 10	400 ± 10	400 ± 10	350 ± 10	225 ± 10
Weight (lb/kg)	4.5/2	26.4/12	26.4/12	26.4/12	26.4/12	26.4/12	28.6/13	35.2/16
LxWxH (mm)	220x163x96	305x480x180(220V) 305x302x177(110V)	305x480x180(220V) 305x302x177(110V)	305x480x180	305x480x180	305x480x180	305x480x180	305x480x190



KYKY
KYKY TECHNOLOGY DEVELOPMENT LTD.

Эксклюзивный представитель в Российской Федерации ООО "ЭмЭсЭйч Техно"
www.msht.ru, e-mail: info@msht.ru
Тел.: +7 (495) 722-12-90, 543-60-25