

**DRY VACUUM PUMP**  
**TS/TE Series**

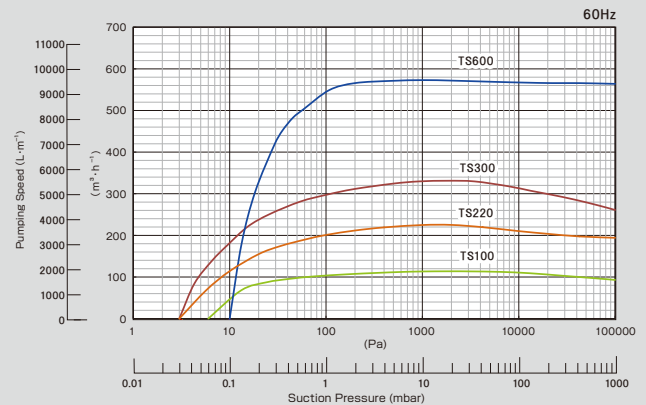
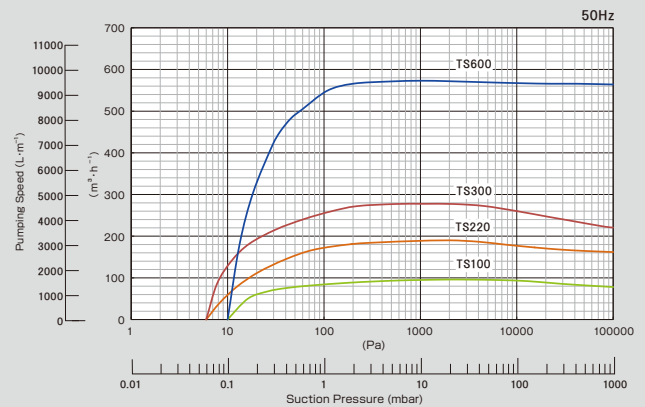
# TECHNICAL SPECIFICATION

PUMP MODEL			TS100		TS220		TS300		TS600	
			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Basic Construction			Multi-Stage Roots Type Dry Vacuum Pump							
Mechanical Booster			-		-		-		-	
Dry Vacuum Pump			TS100		TS220		TS300		TS600	
Technical Data	Max.pumping speed	$m^3 \cdot h^{-1}$	96	114	190	230	270	330	570	
	Ultimate Vacuum	Pa	10	6	6	3	6	3	10	
	Max.back-pressure	kPa	110		115		115		115	
	Ambient temperature range	$^{\circ}C$	5~40							
	Suction connection		NW50		VG65		VG65		VG80	
	Discharge connection		NW40		NW40		NW50		NW50	
	Lubricating oil capacity	lit.	1		2		2		2	
Cooling Water	Capacity	$L \cdot m^{-1}$	>4		>4		>6		>8	
	Max. inlet temperature	$^{\circ}C$	30							
	Inlet/Outlet connection	Rc	3/8		3/8		1/2		1/2	
Motor Rating	Mechanical Booster	kW	-		-		-		-	
	Dry Vacuum Pump	kW	3.7		5.5		7.5		13	
Electrical supply		Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
		V	200-240		200-240		200-240		200-240	
			380-415	440-480	380-415	440-480	380-415	440-480	380-415	440-480

# PUMPING SPEED CURVES

TS

TS Series



# TECHNICAL SPECIFICATION

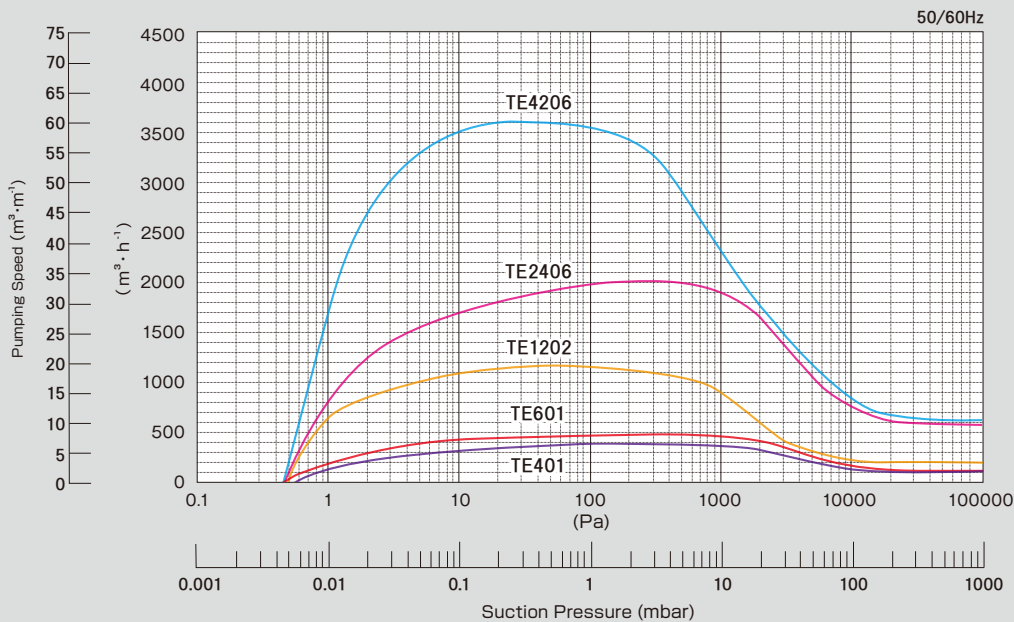
PUMP MODEL			TE401		TE601		TE1202		TE2406		TE4206			
			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		
Basic Construction			Combination Pump Set with Dry Vacuum Pump and Mechanical Booster											
Mechanical Booster			TFC06		TFC10		TFC20		TFC40		TFC80			
Dry Vacuum Pump			TS100		TS100		TS220		TS600		TS600			
Max.pumping speed			$m^3 \cdot h^{-1}$		372		465		1150		1980		3600	
Ultimate Vacuum			Pa		0.5		0.5		0.5		0.5		0.5	
Max.back-pressure			kPa		110		110		115		115		115	
Ambient temperature range			$^{\circ}C$		5~40									
Suction connection			VG65		VG80		VG150		VG150		VG250			
Discharge connection			NW40		NW40		NW50		NW50		NW50			
Lubricating oil capacity			lit.		2		2		4		4		4	
Capacity			$L \cdot m^{-1}$		>4		>4		>6		>10		>10	
Max. inlet temperature			$^{\circ}C$		30									
Inlet/Outlet connection			Rc		3/8		3/8		1/2		1/2		1/2	
Mechanical Booster			kW		1.5		2.2		3.7		7.5		10	
Dry Vacuum Pump			kW		3.7		3.7		5.5		13		13	
Electrical supply			Hz		50Hz 60Hz		50Hz 60Hz		50Hz 60Hz		50Hz 60Hz		50Hz 60Hz	
			V		200-240		200-240		200-240		200-240		200-240	
					380-415 440-480		380-415 440-480		380-415 440-480		380-415 440-480		380-415 440-480	

## PUMPING SPEED CURVES



# TE

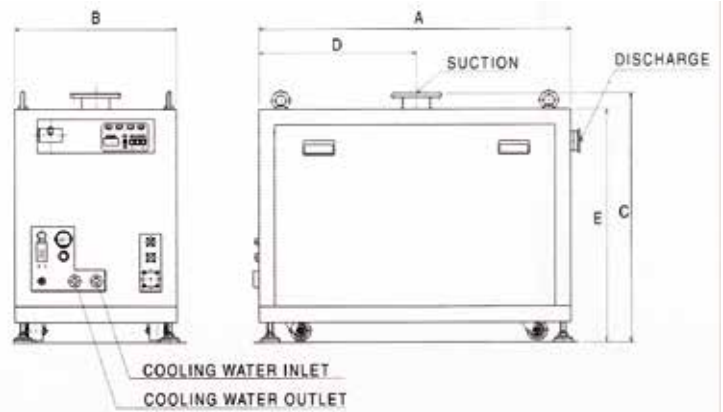
TE Series



## DIMENSIONS

# TS

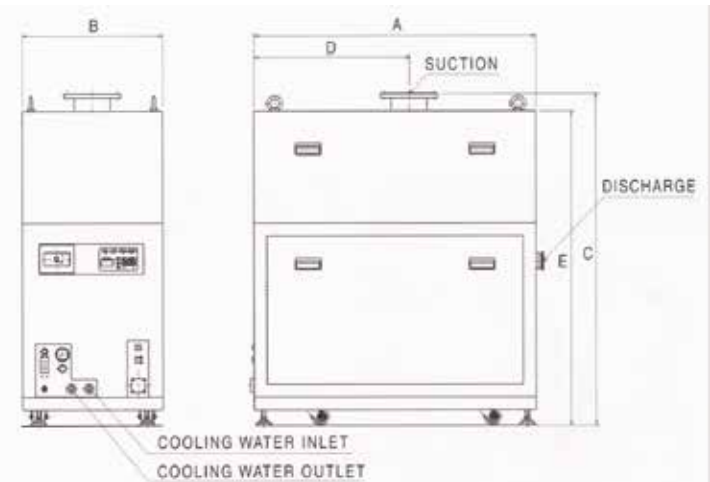
### TS Series



MODEL	A	B	C	D	E
TS100	900	420	570	513	535
TS220	940	520	740	495	695
TS300	1100	520	800	565	750
TS600	1000	520	800	505	750

# TE

### TE Series



MODEL	A	B	C	D	E
TE401	1000	420	880	705	835
TE601	1000	420	880	705	835
TE1202	1100	550	1305	605	1235
TE2406	1100	550	1305	605	1235
TE4206	1160	600	1370	605	1305

## OPTIONS

The following items are provided as options to TS/TE pump unit. These items can be equipped accordingly.

- Pump enclosure
- Electric control board
- N<sub>2</sub> purge system
- Discharge silencer
- Flow switch for cooling water

