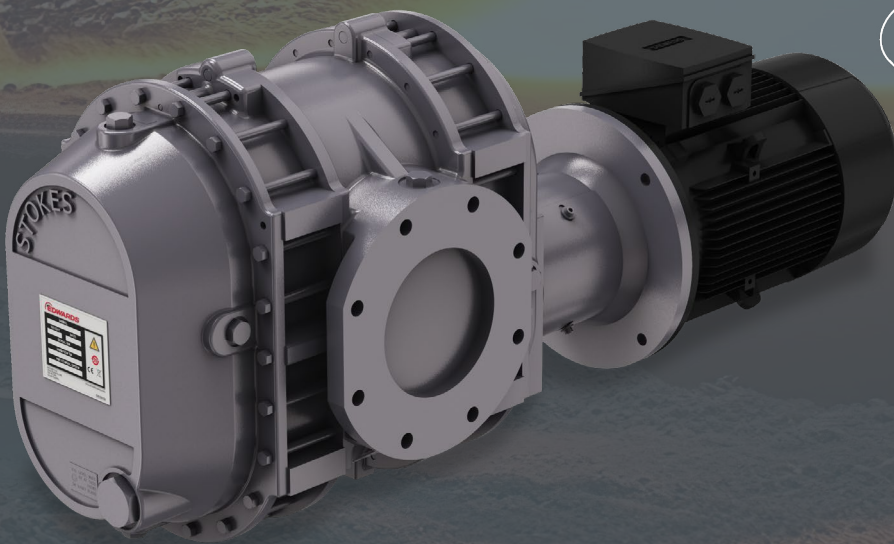


STOKES 6" MECHANICAL BOOSTER PUMPS

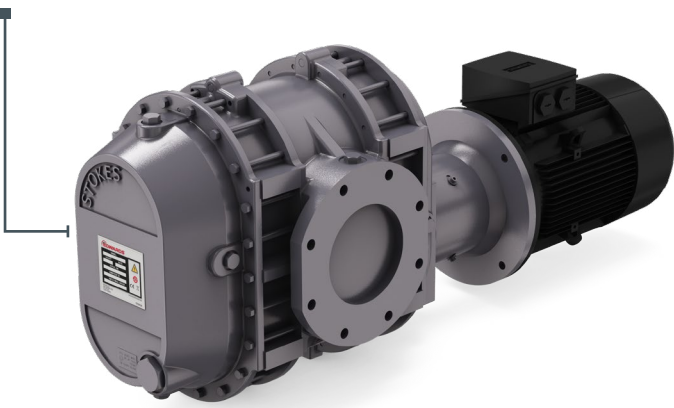


Ensures higher speeds and increased uptime

As an industry staple, the Stokes mechanical booster pumps have advanced specifications and proven performance over 40 years that make it valuable addition to your operation.

The Stokes 6" Series of mechanical booster pumps feature a rugged design for robust and reliable operation. To cater to varying customer needs, this series is available in sizes from 1040 to 6630 m³/hr. It is one of the most versatile and flexible range of boosters that keeps up with your operational needs to raise the level of vacuum efficiency.

STOKES 607



STOKES 615



Higher differential pressures

These boosters are simple and reliable with increased lifetime and high pressure differential. It has 43 mm large diameter shafts, ring feeder keyless gear locking system and dynamically balanced impellers.



Configured for your needs

You can choose between bare shaft and direct drive with a range from 1800-3600 rpm, vertical or horizontal gas flow orientation. The bypass variants eliminate the need of pressure switches adding to system flexibility.



Ease of field replacement

The mechanical shaft seal leads to improved life and ease of serviceability in the field. The larger sight glass and magnetic drain plugs facilities easy viewing of oil and prolongs life.



Productivity boost

The product’s bypass technology is available in 61B models to enable operation from atmospheric pressure and full stop after atmospheric pressure to enhance your productivity even more, while also assuring consistent, reproducible vacuum processing. The standard versions can be operated with a pressure switch or VFD drive.



Optimised design

The pump can be operated bi-directional if required. The ring feeder timeless locking elements allows for superior timing retention. The water cooled process isolation version comes with five mechanical seal design on the Stokes 6" and provides optimal process protection from any dust and particulate contamination in your process. The standard 6" range is air cooled.

- Metallurgy
- PET processing
- Pharmaceuticals
- Thermal processing
- Transformer drying and cable fluid conditioning
- Vacuum coating
- Vacuum melting
- Automotive
- Chemical processing
- Heat treatment
- Leak detection

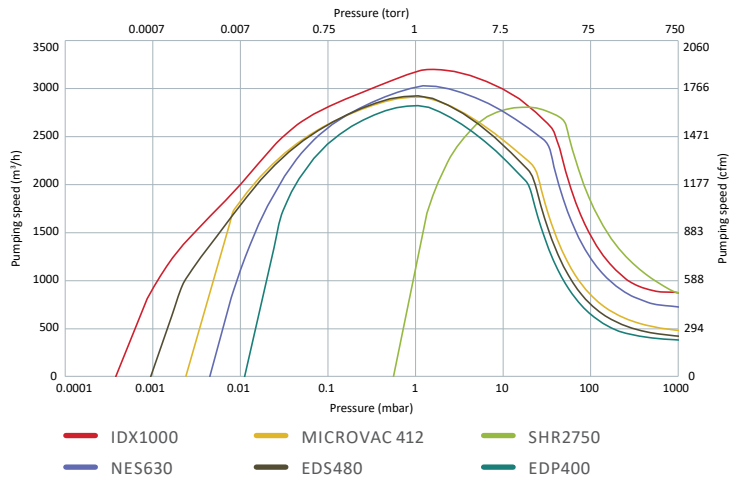


TECHNICAL SPECIFICATIONS

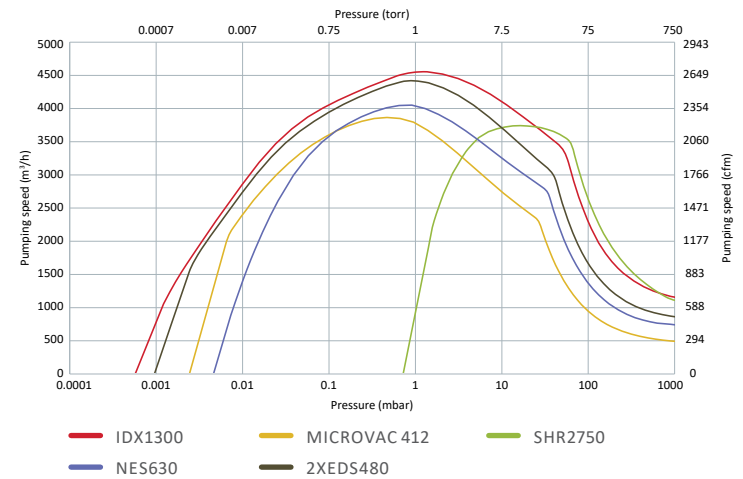
	Units	607	607 PIB (Process Isolation)	615	615 PIB (Process Isolation)	615 BP (By-pass)	615 BP PIB (By-pass) Process Isolation	622	622 (Process Isolation)
Displacement 1800 rpm	m³h⁻¹/CFM	1040/612	N/A	2210/1300	N/A	2210/2000	N/A	N/A	N/A
Displacement 2750 rpm	m³h⁻¹/CFM	1589/935	1589/935	3375/2000	3375/2000	3375/2000	3375/2000	5100/3000	5100/3000
Displacement 3000 rpm	m³h⁻¹/CFM	1733/1020	1733/1020	3685/2170	3685/2170	3685/2170	3685/2170	5525/2350	5525/2350
Displacement 3600 rpm	m³h⁻¹/CFM	2080/1224	2080/1224	4420/2600	4420/2600	4420/2600	4420/2600	6630/3900	6630/3900
Inlet connection/Outlet connection		6 inch ASA /ANSI	6 inch ASA /ANSI	8 inch ASA /ANSI	8 inch ASA /ANSI	8 inch ASA /ANSI	8 inch ASA /ANSI	8 inch ASA /ANSI	8 inch ASA /ANSI
Max pressure differential	mbar/torr	506/380	506/380	506/380	506/380	N/A	N/A	333/250	333/250
Max temperature rise	°C/F	135/275	135/275	135/275	135/275	135/275	135/275	121/250	121/250
Max discharge temperature	°C/F	191/375	191/375	191/375	191/375	191/375	191/375	177/350	177/350
Weight bare shaft	kg/lb	215/475	215/475	234/515	234/515	284/625	284/625	335/740	335/740
Motor Power 50 Hz	kW/hp	7.5/10 @ 3000 rpm	7.5/10 @ 3000 rpm	11/15 @ 3000 rpm	11/15 @ 3000 rpm	18/25 @ 3000 rpm	18/25 @ 3000 rpm	18/25 @ 3000 rpm	18/25 @ 3000 rpm
Motor Power 60 Hz	kW/hp	3.7/5 15 /20	7.5/10	7.5/10 @ 1800 rpm 11/15 @ 3600 rpm	11/15 @ 3600 rpm	7.5/10 @ 1800 rpm 18/25 @ 3600 rpm	18/25 @ 3600 rpm	18/25 @ 3600 rpm	18/25 @ 3600 rpm
Oil capacity (horizontal flow)	litre/gal	1.9/0.51	1.9/0.51	1.9/0.51	1.9/0.51	1.9/0.51	1.9/0.51	1.9/0.51	1.9/0.51
Oil capacity (vertical flow)	litre/gal	4.1/1.1	4.1/1.1	4.1/1.1	4.1/1.1	4.1/1.1	4.1/1.1	4.1/1.1	4.1/1.1
Water cooling req. @ 30°C/85° F	lmin⁻¹/galmin⁻¹	Air cooled	7.6-11.4/2-3	Air cooled	7.6-11.4/2-3	Air cooled	7.6-11.4/2-3	Air cooled	7.6-11.4/2-3
Recommended oil		V Lube H	V Lube H	V Lube H	V Lube H	V Lube H	V Lube H	V Lube H	V Lube H

PERFORMANCE CURVES

Stokes 615 11 kW 50 Hz



Stokes 622 18.75 kW 50 Hz



ORDERING INFORMATION

Part number	Product description
900-607-MHR	607 HGF Bare Shaft
900-607-MVR	607 VGF Bare Shaft
900-607-SHR	607 HGF PIB Bare Shaft
900-607-SVR	607 VGF PIB Bare Shaft
900607MHR101	607 HGF PFPE Prepared Bare Shaft
900607MVR101	607 VGF PFPE Prepared Bare Shaft
900-615-MHR	615 HGF Bare Shaft
900-615-MVR	615 VGF Bare Shaft
900-615-SHR	615 HGF PIB Bare Shaft
900-615-SVR	615 VGF PIB Bare Shaft
900615MHR101	615 HGF PFPE Prepared Bare Shaft
900615MVR101	615 VGF PFPE Prepared Bare Shaft
900615MHR940	615 HGF 11kW IE3 EU/US/CN 50/60Hz
900615MVR940	615 VGF 11kW IE3 EU/US/CN 50/60Hz
900-61B-MHR	61B HGF By-Pass Bare Shaft
900-61B-MVR	61B VGF By-Pass Bare Shaft
900-61B-SHR	61B HGF By-Pass PIB Bare Shaft
900-61B-SVR	61B VGF By-Pass PIB Bare Shaft
90061BMHR940	61B HGF By-Pass 18.5kW IE3 EU/US/CN 50/60Hz
90061BMVR940	61B VGF By-Pass 18.5kW IE3 EU/US/CN 50/60Hz
900-622-MHR	622 HGF Bare Shaft
900-622-MVR	622 VGF Bare Shaft
900-622-SHR	622 HGF PIB Bare Shaft
900-622-SVR	622 VGF PIB Bare Shaft
900622MHR940	622 HGF 18.5kW IE3 EU/US/CN 50/60Hz
900622MVR940	622 VGF 18.5kW IE3 EU/US/CN 50/60Hz

PFPE - Perfluoropolyether | VGF - Vertical Gas Flow | HGF - Horizontal Gas Flow | PIB - Process Isolation Booster

US Energy efficiency motor part numbers	
Part number	Product description
900607MH05EE	607 HGF 5 HP 230/460V 60Hz Energy Efficient
900607MH20EE	607 HGF 20 HP 230/460V 60Hz Energy Efficient
900607MV05EE	607 VGF 5 HP 230/460V 60Hz Energy Efficient
900607MV10EE	607 VGF 10 HP 230/460V 60Hz Energy Efficient
900607MV20EE	607 VGF 20 HP 230/460V 60Hz Energy Efficient
900607SH10EE	607 HGF PIB 10HP 230/460V 60Hz Energy Efficient
900607SV10EE	607 VGF PIB 10HP 230/460V 60Hz Energy Efficient
900615MH10EE	615 HGF 10 HP 230/460V 60Hz Energy Efficient
900615MH15EE	615 HGF 15 HP 230/460V 60Hz Energy Efficient
900615MV10EE	615 VGF 10 HP 230/460V 60Hz Energy Efficient
900615MV15EE	615 VGF 15 HP 230/460V 60Hz Energy Efficient
900615SH15EE	615 HGF PIB 15 HP 230/460V 60Hz Energy Efficient
900615SV15EE	615 VGF PIB 15 HP 230/460V 60Hz Energy Efficient
90061BMH10EE	61B HGF By-Pass 10 HP 230/460V 60Hz Energy Efficient
90061BMH25EE	61B HGF By-Pass 25 HP 230/460V 60Hz Energy Efficient
90061BMV10EE	61B VGF By-Pass 10 HP 230/460V 60Hz Energy Efficient
90061BMV25EE	61B VGF By-Pass 25 HP 230/460V 60Hz Energy Efficient
90061B5H25EE	61B HGF By-Pass PIB 25 HP 230/460V 60Hz Energy Efficient
90061B5V25EE	61B VGF By-Pass PIB 25 HP 230/460V 60Hz Energy Efficient
900622MH25EE	622 HGF 25 HP 230/460V 60Hz Energy Efficient
900622MV25EE	622 VGF 25 HP 230/460V 60Hz Energy Efficient
900622SH25EE	622 HGF PIB 25 HP 230/460V 60Hz Energy Efficient
900622SV25EE	622 VGF PIB 25 HP 230/460V 60Hz Energy Efficient

PFPE - Perfluoropolyether | VGF - Vertical Gas Flow | HGF - Horizontal Gas Flow | PIB - Process Isolation Booster

