

Stokes 6" range - mechanical booster pumps

The **Stokes 6"** Series features a rugged design for robust and reliable operation. Available in sizes from 1040 to 6630 m³h⁻¹ displacement is configurable to customer needs: bare shaft or direct drive, 1800-3600 rpm, vertical or horizontal gas flow orientation with bypass versions available.

Robust

Increased lifetime, reliability and simple to use - large diameter shafts, ring feeder keyless gear locking system and dynamically balanced impellers

Reliable

Increased productivity - 5 seal design for optimal process protection available

Versatile

Configured for your needs - bare shaft or direct drive, 1800-3600 rpm. Vertical or horizontal gas flow orientation with bypass versions available



Technical data

	Units	607	607 PIB (Process Isolation)	615	615 PIB (Process Isolation)	615 BP (Bypass)	615 BP PIB (Bypass) Process Isolation	622	622 (Process Isolation)	
Displacement 1800 rpm	m ³ h ⁻¹ /CFM	1040/612	n/a	2210/1300	n/a	2210/2000	n/a	n/a	n/a	
Displacement 2750 rpm	m ³ h ⁻¹ /CFM	1589/935	1589/935	3375/2000	3375/2000	3375/2000	3375/2000	5100/3000	5100/3000	
Displacement 3000 rpm	m ³ h ⁻¹ /CFM	1733/1020	1733/1020	3685/2170	3685/2170	3685/2170	3685/2170	5525/2350	5525/2350	
Displacement 3600 rpm	m ³ h ⁻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	
Weight TEFC direct drive	kW/hp	408/900	345/760	390/860	297/875	530/1170	538/1185	617/1360	625/1370	
Motor Power 50Hz	kW/hp	7.5/10 @ 3000 rpm	7.5/10 @ 3000 rpm	7.5/10 @ 3000 rpm	11/15 @ 3000 rpm	18/25 @ 3000 rpm	18/25 @ 3000 rpm	18/25 @ 3000 rpm	18/25 @ 3000 rpm	
Motor Power 60Hz	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 @ 3600rpm	18/25 @ 3600rpm	18/25 @ 3600rpm	18/25 @ 3600rpm	
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	
Water inlet connection		NPT								
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	

Ordering information

Part Number	Product Description	Part Number	Product Description
900607MHR934	607 MHR IE3 ASIA 50/60HZ	90061B5HR940	61B 5HR IE3 EU/US/CN 50/60HZ
900607MHR940	607 MHR IE3 EU/US/CN 50/60HZ	90061B5HR934	61B 5HR IE3 ASIA 50/60HZ
900607MVR934	607 MVR IE3 ASIA 50/60HZ	90061B5VR940	61B 5VR IE3 EU/US/CN 50/60HZ
900607MVR940	607 MVR IE3 EU/US/CN 50/60HZ	90061B5VR934	61B 5VR IE3 ASIA 50/60HZ
9006075HR940	607 5HR IE3 EU/US/CN 50/60HZ	900-61B-MVR	61B BP VGF Bare Shaft
9006075HR934	607 5HR IE3 ASIA 50/60HZ	900-61B-MHR	61B BP HGF Bare Shaft
9006075VR940	607 5VR IE3 EU/US/CN 50/60HZ	90061BMV10EE	61B BP VGF 10hp EE 230/460V 60Hz
9006075VR934	607 5VR IE3 ASIA 50/60HZ	90061BMV25EE	61B BP VGF 25hp EE 230/460V 60Hz
900-607-MVR	607MVR VGF Bare Shaft	90061B5V25EE	61B PIB BP VGF 25hp 230-460V 60Hz
900-607-MHR	607MHR HGD Bare Shaft	90061BMH10EE	61B BP HGF 10hp EE 230/460V 60Hz
900607MV05EE	607 VGF 5hp EE 230-460V 60Hz	90061BMH25EE	61B BP HGF 25hp EE 230/460V 60Hz
900607MV20EE	607 VGF 20hp EE 230-460V 60Hz	90061B5H25EE	61B PIB BP HGF 25hp 230-460V 60Hz
9006075V10EE	607 PIB VGF 10hp 230-460V 60Hz	90061BMHR934	61B MHR IE3 ASIA 50/60HZ
900607MH05EE	607 HGF 5hp EE 230-460V 60Hz	90061BMHR940	61B MHR IE3 EU/US/CN 50/60HZ
900607MH20EE	607 HGF 20hp EE 230-460V 60Hz	90061BMVR934	61B MVR IE3 ASIA 50/60HZ
9006075H10EE	607 PIB HGF 10hp 230-460V 60Hz	90061BMVR940	61B MVR IE3 EU/US/CN 50/60HZ
900615MHR934	615 MHR IE3 ASIA 50/60HZ	9006225HR940	622 5HR IE3 EU/US/CN 50/60HZ
900615MHR940	615 MHR IE3 EU/US/CN 50/60HZ	9006225HR934	622 5HR IE3 ASIA 50/60HZ
900615MVR934	615 MVR IE3 ASIA 50/60HZ	9006225VR940	622 5VR IE3 EU/US/CN 50/60HZ
900615MVR940	615 MVR IE3 EU/US/CN 50/60HZ	9006225VR934	622 5VR IE3 ASIA 50/60HZ
9006155HR940	615 5HR IE3 EU/US/CN 50/60HZ	900-622-MVR	622 VGF Bare Shaft
9006155HR934	615 5HR IE3 ASIA 50/60HZ	900-622-MHR	622 HGF Bare Shaft
9006155VR940	615 5VR IE3 EU/US/CN 50/60HZ	900622MV25EE	622 VGF 25hp 230-460 60Hz
9006155VR934	615 5VR IE3 ASIA 50/60HZ	9006225V25EE	622 PIB VGF 25hp 230-460 60Hz
900-615-MVR	615MVR VGF Bare Shaft	900622MH25EE	622 HGF 25hp 230-460V 60Hz
900-615-MHR	615MHR HGF Bare Shaft	9006225H25EE	622 PIB HGF 25hp 230-460V 60Hz
900615MV10EE	615 VGF 10hp EE 230-460V 60Hz	900622MHR934	622 MHR IE3 ASIA 50/60HZ
900615MV15EE	615 VGF 15hp EE 230-460V 60Hz	900622MHR940	622 MHR IE3 EU/US/CN 50/60HZ
9006155V15EE	615 PIB VGF 15hp EE 230-460V 60Hz	900622MVR934	622 MVR IE3 ASIA 50/60HZ
900615MH10EE	615 HGF 10hp EE 230-460V 60Hz	900622MVR940	622 MVR IE3 EU/US/CN 50/60HZ
900615MH15EE	615 HGF 15hp EE 230-460V 60Hz		
9006155H15EE	615 PIB HGF 15hp 230-460V 60Hz		

Note: for PFPE variants please contact Edwards

VGF - Vertical Gas Flow

HGF - Horizontal Gas Flow

EE - Energy Efficient Motor

Applications:

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

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