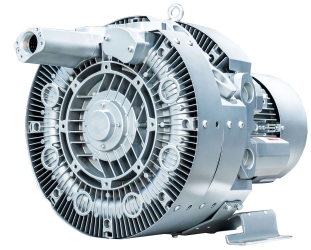
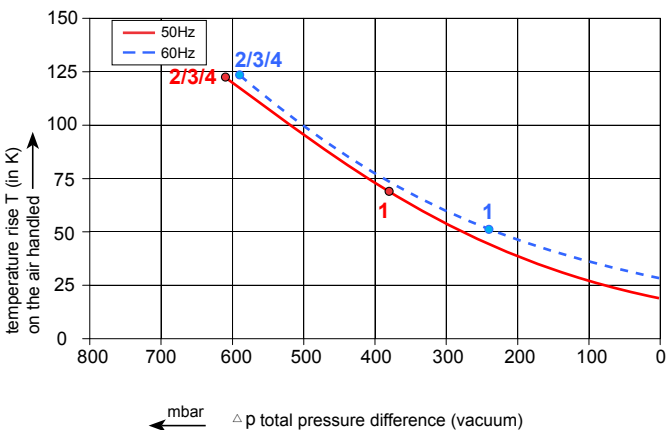
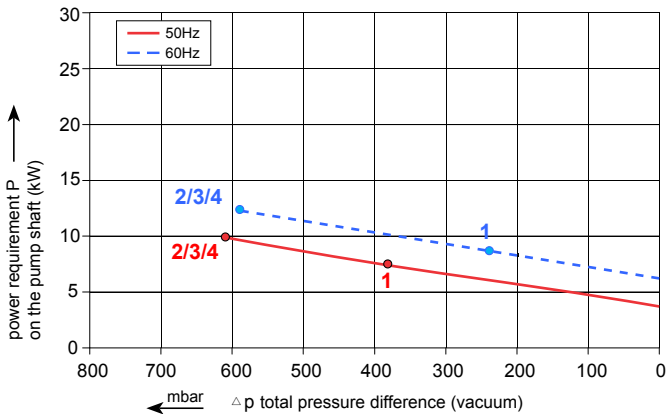
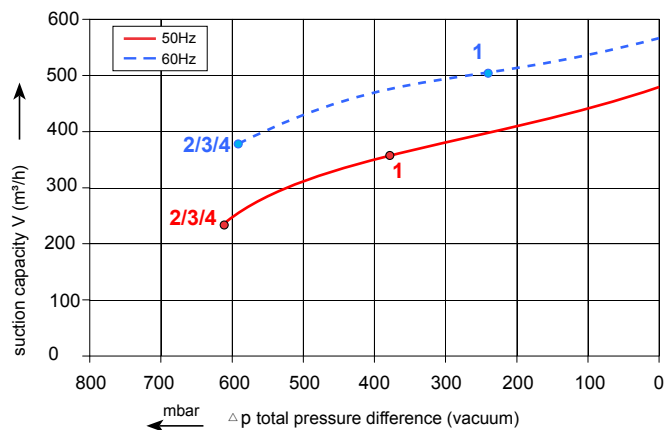


Data sheet 3MV 550-3

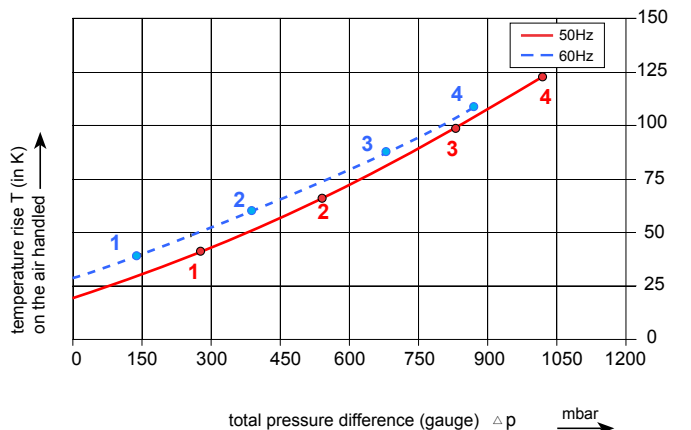
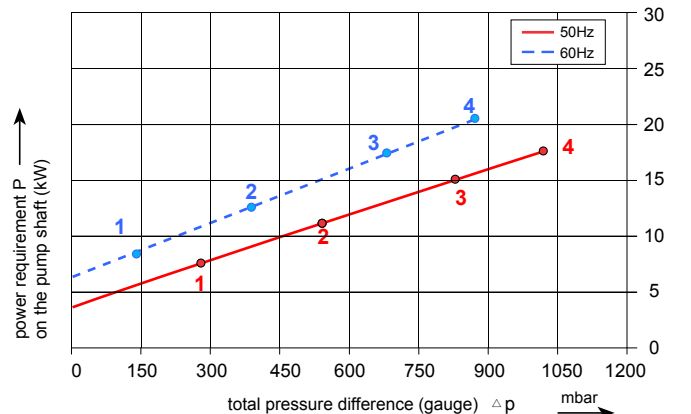
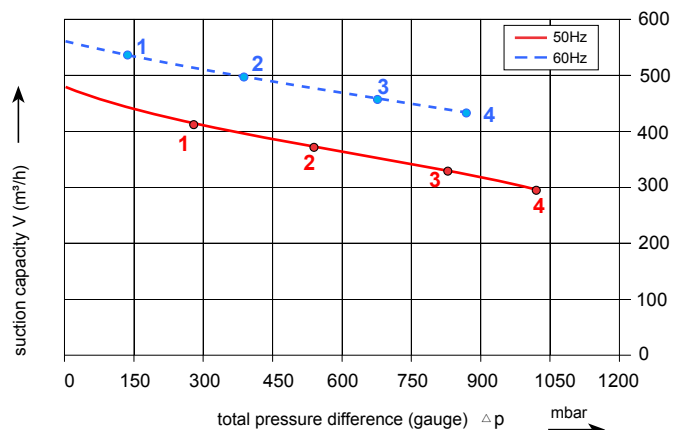
Side channel blower with IE2-motors



Performance curve for Vacuum pump



Performance curve for Compressor



The performance curves are based on air at a temperature of 15 °C and atmospheric pressure of 1013 mbar with a tolerance of +/- 10 %. The total pressure differences are valid for suction and ambient temperatures up to 25 °C. For other conditions please confer with us.

Each 3MV type can be applied both as vacuum pump and compressor in continuous operation over the total stated performance curve range. The motors are available as standard for the input voltage range of 50 and 60 Hz and for protection category IP 55.

Selection and ordering data

Type 3MV 550

Curve No.	Order No.	Fre- quency Hz	Rated Power KW	Input voltage V	Input current A	Permissible total differential pressure ²⁾		Sound pressure level ³⁾ dB(A)	Weight ca. kg
						Vacuum mbar	Compressor mbar		
3~ 50/60 Hz IP55 isulation material class F									
1	3MV 550-3AAT57	50	7.5	350-450 Δ /610-725Y	15.0 Δ /8.7Y	-380	280	71	142
		60	8.6	400-500 Δ /690-725Y	15.1 Δ /8.8Y	-240	140	77	
2	3MV 550-3AAT67	50	11.0	350-450 Δ /610-725Y	22.0 Δ /12.7Y	-610	540	71	167
		60	12.6	400-500 Δ /690-725Y	22.0 Δ /12.9Y	-590	390	77	
3	3MV 550-3AAT77	50	15.0	350-450 Δ /610-725Y	30.5 Δ /17.3Y	-610	830	71	180
		60	17.3	400-500 Δ /690-725Y	29.5 Δ /17.0Y	-590	680	77	
4	3MV 550-3AAT87	50	18.5	350-450 Δ /610-725Y	37.0 Δ /21.0Y	-610	1020	72	195
		60	21.3	400-500 Δ /690-725Y	36.5 Δ /21.0Y	-590	870	76	

Other voltage ranges

50 Hz	50 Hz Voltage range	60 Hz Voltage range	86 Hz(5000 rpm)	100 Hz(6000 rpm)	3MV... □ □
3 IE2/					
200 V D/345 V Y 500 V Y 230 V D/400 V Y 400 V D/690 V Y	180-240 V D /310-415 V Y 450-550 V Y 200-260 V D /350-450 V Y 350-450 V D /610-725 V Y	200...275 V D/345...480 V Y 520...600 V Y 230...290 V D/400...500 V Y 400...500 V D/690...725 V Y	----- ----- 400 V D -----	400 V D ----- ----- -----	T T T T 1 3 6 7