

200x.x: Motors for Scraper Centrifuges

SIEMENS¹ Low Voltage IEC Squirrel-Cage Motors

General Technical Data

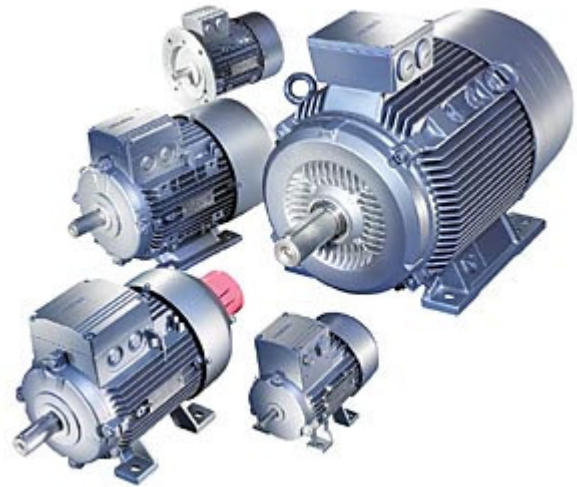
- Housing: Cast iron
- Cooling: Self ventilated
- Degree of protection: IP55
- Frequency: 50 Hz
- Voltage: 400 V YΔ

Standard Energy Saving Motors without Ex-Protection

- Increased efficiency: EFF 2
- High efficiency: EFF 1

Explosion-proof Motors²

- Type of protection: Explosion-proof enclosure
- Explosion group: IIC
- Temperature class: T4
- Application area: Zone 1
- Identification: II 2G EEx de IIC T4
- FC operation: 4 PTC thermistors for monitoring and shutdown



Type of Centrifuge (Main Drives)		Power ³ [kW]	Speed ⁴ [min ⁻¹]	Frame ⁵	Availability of Motors	
					without Ex-Protection	with Ex-Protection
Horizontal Pharma design	HPZ 630	7.5	1500	B3	EFF 2	✓
	HPZ 800	15	1500	B3	EFF 2	✓
	HPZ 1000	22	1500	B3	EFF 2	✓
	HPZ 1250	30	1500	B3	EFF 2	✓
Vertical Bottom Discharge	VBC 1000	15	1000	V1 / V3	EFF 1	✓
	VBC 1250	18.5	1000	V1 / V3	EFF 1	✓
	VBC 1600	37	1000	V1 / V3	EFF 1	✓

Additional Components (Auxiliary Drives)		Power [kW]	Speed [min ⁻¹]	Frame	Availability of Motors	
					without Ex-Protection	with Ex-Protection
Scraper unit	HPZ	0.25	1500	V19	n/a	✓
Inclined feed and wash disc	VBC	3	1500	V1	EFF 2	✓
		5.5	1500	V1	EFF 2	✓

¹ Other manufacturers und US specifications available upon request

² Other types of protection available upon request

³ Rated output

⁴ Rated speed

⁵ Frame types V1 with hood