



66 - 88

High Pole Numbers

Direct Drive

No Gearbox, No Long Shaft

up to 97%

Unbeatable Motor Efficiency

Highly

Reliable

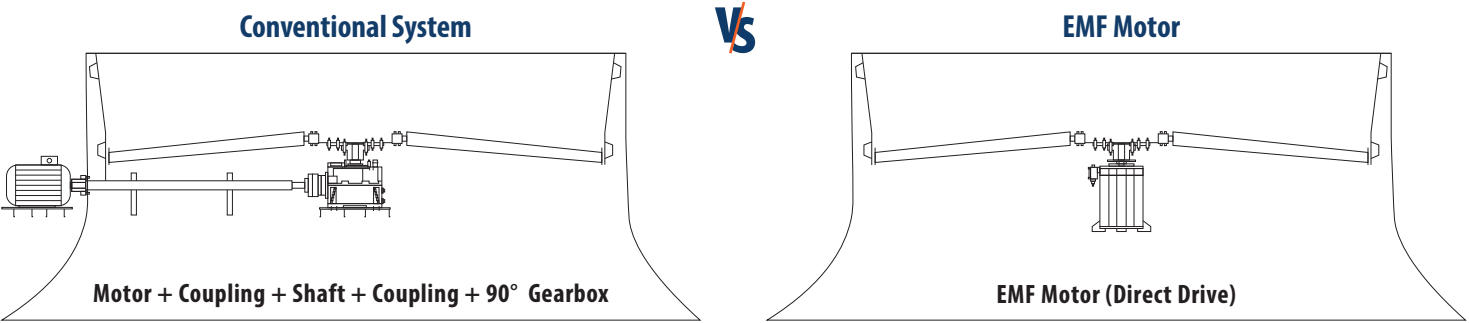
Minimal

Operating Costs

Cooling Tower Motor

Direct Drive Permanent Magnet Technology

EMF Motor®



Estimated Energy Savings*

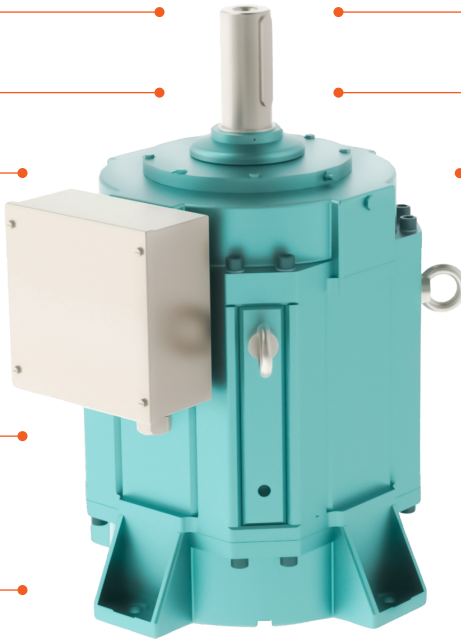


*Savings are based on \$0,12 per kWh and may vary depending on application speed. Maintenance costs are excluded.

Minimum
Maintenance Costs

Reasonable
Energy Costs

High
Reliability



Direct drive, no gearbox,
no long shaft, no coupling

Reduced inventory costs

Simple mounting

Water-tight motor design
operates in the air stream

Sensorless controlled
by flux vector drivers

Special bearing

Lowest operating cost

Up to 97 % motor efficiency

Highest pole numbers (66,88)

C5VH per ISO 12944-2
(painted against corrosion)

Low vibration, less noise,
environmentally friendly

Compact and symmetric design

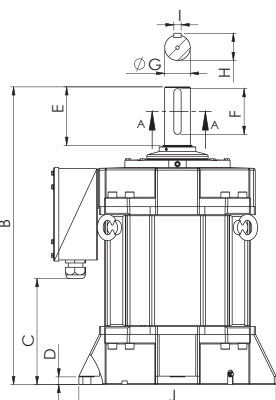
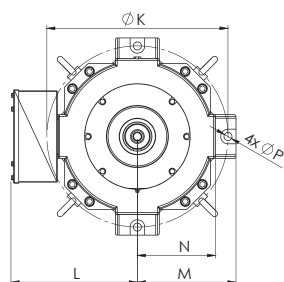
Specifications

• Mounting	Flange/Foot	• Ambient temperature	-10°C/+50°C
• Insulation	Class F	• Thermal protection	120°C PTO and (PT100, PT1000, KTY, PTC are optional)
• Protection	Class IP65	• Cooling	Natural / IC 410
• Vibration	A level according to IEC 60034-14 optional vibration sensor	• Wide voltage range	230 - 400 - 690 VAC

Values were determined according to the cooling effect with the air flow from the motor surface. Air flow must be minimum 3 m/s. Ambient temperature is maximum 50° C. Datas are according to maximum 1.000 meters altitude. Supply voltage is 400 VAC, 3 ph.

Data for Reference

Motor Code	Pole Number	P _n (kW)	n _n (rpm)	M _n (Nm)	I _n (A)	Efficiency (%)	Weight (kg)	Axial Max. Thrust Load (N)
SQMC132-150	66	6,5	200	310	16,5	94,5	145	3.500
		8,4	400	200	17,0	93,5		
SQMC132-200	66	8,4	200	400	19,5	95,0	165	3.500
		10,5	400	250	21,3	94,0		
SQMC132-250	66	10,5	200	500	24,5	95,5	185	3.500
		12,6	300	400	27,0	95,5		
SQMC132-300	66	12,4	200	590	28,5	96,0	205	3.500
		14,8	300	470	30,5	96,0		
SQMC200-200	88	15,3	200	730	37,2	92,5	405	8.000
		14,5	300	460	31,5	92,0		
SQMC200-300	88	23,0	200	1.100	53,5	93,5	515	8.000
		22,0	300	700	44,9	92,5		
SQMC200-400	88	30,4	200	1.450	68,3	94,5	625	8.000
		28,3	300	900	57,8	93,0		
SQMC200-500	88	35,6	200	1.700	85,5	94,5	735	8.000
		34,6	300	1.100	73,5	93,5		
SQMC250-300	88	25,7	100	2.450	72,0	94,0	900	13.000
		35,6	200	1.700	86,6	94,0		
SQMC250-400	88	34,6	100	3.300	100,0	94,5	1.100	13.000
		48,2	200	2.300	117,5	95,0		
SQMC250-500	88	45,0	100	4.300	128,0	95,0	1.300	13.000
		58,6	200	2.800	148,0	95,0		
SQMC250-600	88	54,5	100	5.200	151,0	95,0	1.500	13.00
		71,2	200	3.400	172,5	95,5		



Dimensions

Motor Code	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"	"N"	"P"
SQMC132-100	475	124	24	120	100	Ø60 m6 ^(+0,03) _(+0,01)	64	18	Ø340	Ø307,5	238,5	-	-	17,5
SQMC132-150	525	174												
SQMC132-200	575	224												
SQMC132-250	625	274												
SQMC132-300	675	324	21	160	125	Ø70 m6 ^(+0,03) _(+0,01)	74,5	20	Ø540	Ø496	346	270	213,5	Ø22
SQMC200-200	716	202												
SQMC200-300	816	302												
SQMC200-400	916	402												
SQMC200-500	1016	502	29	230	180	Ø100 m6 ^(+0,04) _(+0,01)	106	208	Ø680	Ø635	380	340	254	Ø26
SQMC250-300	945	282												
SQMC250-400	1045	382												
SQMC250-500	1145	482												
SQMC250-600	1245	582												



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