



since 1920

Celma Indukta

Three-phase squirrel cage high efficiency motors - 2SIE (IE2) series

2SIE 180M2

basic information	
standards	IEC 60034-1
type of duty	S1
insulation class	F
efficiency class	IE2
degree of protection	IP55
exploitation parameters	
rated output [kW]	22.0
rated speed [rpm]	2945
rated voltage 1 [V]	400
frequency [Hz]	50
current at rated voltage 1 [A]	39.5
number of poles	2
synchronous speed [rpm]	3000
winding connection	D
rated output [HP]	30.0
rated torque [Nm]	71.3
efficiency (1/2 load) [%]	90.8
efficiency (3/4 load) [%]	91.7
efficiency (full load) [%]	91.3
power factor (full load)	0.88
locked rotor current/rated current	7.5
locked rotor torque/rated torque	2.6
breakdown torque/rated torque	3.2
minimal torque/rated torque	2.2
sound pressure level [dB]	75
sound power level [dB]	88
technical data	
weight (IMB3) [kg]	156.0
rotor inertia [kgm ²]	0.062
end shields	CAST IRON
frame	CAST IRON
foot	CAST IRON
gland	M 40 x 1.5
DE bearing	6311 2Z
NDE bearing	6311 2Z
number of terminals	6
number of cable outlets	1
position of terminal box	on the top
anticondensation heaters	on request
thermal protection of windings	on request
relative humidity [%]	95