

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

2SIE 90L4

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]	1.5
rated speed [rpm]	1425
rated voltage 1 [V]	400
frequency [Hz]	50
current at rated voltage 1 [A]	3.4
number of poles	4
synchronous speed [rpm]	1500
winding connection	Y
rated output [HP]	2.0
rated torque [Nm]	10.1
efficiency (1/2 load) [%]	81.2
efficiency (3/4 load) [%]	83.2
efficiency (full load) [%]	82.8
power factor (full load)	0.76
locked rotor current/rated current	6.4
locked rotor torque/rated torque	2.8
breakdown torque/rated torque	3.3
minimal torque/rated torque	2.6
sound pressure level [dB]	50
sound power level [dB]	62
technical data	
weight (IMB3) [kg]	19.0
rotor inertia [kgm ²]	0.0036
end shields	ALUMINIUM
frame	ALUMINIUM
foot	ALUMINIUM
gland	M 20 x 1.5
DE bearing	6205 2Z
NDE bearing	6205 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