

Three-phase motors Cast iron housing

Type		SC3 315S4-695 AB
Design output	[kW]	110
Design torque	[Nm]	705.0
Class IE		IE3-95.5%
Efficiency determination		EN 60034-2-1
Duty type		S1
Design frequency	[Hz]	50
Design speed	[rpm]	1490
Voltage	[V]	400/690
Connection		D / Y
Current	[A]	192.5 / 111.6
Relative pull-in current		6.2
Relative starting torque		1.9
Relative pull-out torque		2.9
Efficiency 100 / 75 / 50 %	[%]	95.5 / 94.4 / 94.4
Power factor		0.88
Th. cl.		155 (F/B)
Coolant temperature	[°C]	-20°C ... +40°C
Altitude above sea level	[m]	1000
Degree of protection IP		IP 55
Moment of inertia	[kgm ²]	2.98000
Motor weight	[kg]	1012
Bearing D-side		NU319E/C3
Bearing N-side		6319/C3
Relubrication interval	[h]	2200 / 4600
Grease type		ESSO BEACON 3 / SKF LGMT3
Grease amount	[g]	51
A-sound pressure level L _{WA}	[dB]	88.0

Options:

Terminal box	Standard
Position of terminal box	On the top
Cable gland	Brass cable glands
Position of cable entry	Right
Shaft	Standard
Bearing	Relubrication device, heavy bearing arrangement
Special information about the bearing	SKF bearing
Winding protection	1 set PTC resistors
Limit values to vibration velocity	Class A
Balancing	with half key
Colour	RAL 7030

Delivery conditions and/or official regulations	IEC / EN 60034-1
---	------------------

Data sheet

IM B3



IM B35



IM B5



A	B	B ¹	C	D	E	F	G	H	K	DH	GA	AA	AB
508	406	-	216	80	170	22	71	315	28	M20x46	85	120	630

AC	AD	HA	HD	BB	LD	L	M	N	P	S	T	LA
580	535	45	885	570	257	1215	600	550	660	8 x ø24	6	22