



Motor 1LE1603-3AB43-3AC4-Z

URL: <https://www.sxplc.com/motor-1le1603-3ab43-3ac4-z>

Product data sheet

Electrical data																	-/
U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η ³⁾			$\cos\phi$ ³⁾			I_A/I_N	M_A/M_N	M_G/M_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4	I_A/I_N	T_A/T_N	T_G/T_N	
DOL duty (S1) - 155(F) to 130(B)																	
380	Δ	50	160.00	-/-	290.00	1490	1030.0	95.8	96.1	96.1	0.87	0.85	0.77	7.3	2.9	3.1	IE3
660	Y	50	160.00	-/-	168.00	1490	1030.0	95.8	96.1	96.1	0.87	0.85	0.77	7.3	2.9	3.1	IE3
440	Δ	60	184.00	-/-	290.00	1788	980.0	95.0	95.3	95.1	0.88	0.86	0.79	7.2	3.0	2.9	IE2
440	Δ	60	160.00	-/-	250.00	1791	850.0	96.2	96.2	95.7	0.87	0.84	0.75	8.4	3.3	3.3	IE3
IM B3 / IM 1001			FS 315 L		IP55		UKCA		IEC/EN 60034			IEC, DIN, ISO, VDE, EN					
Environmental conditions : -20 °C - +40 °C / 1000 m										Locked rotor time (hot / cold) : 28.3 s 47.6 s							
Mechanical data																	
Sound level (SPL / SWL) at 50Hz 60Hz					73 / 87 dB(A) ^{2) 3)}		78 / 92 dB(A) ^{2) 3)}		External earthing terminal				With (standard)				
Moment of inertia					3.1000 kg m ²				Vibration severity grade				A				
Bearing DE NDE					6319 C3		6319 C3		Thermal class				F				
bearing lifetime					40000 h		32000 h		Duty type				S1				
L _{10mh} F _{red min} for coupling operation 50 60Hz ¹⁾					40000 h		32000 h		Direction of rotation				bidirectional				
Relubrication interval/quantity DE NDE					40 g 40 g		6000 h		Frame material				cast iron				
Lubricants					Unirex N3				Net weight of the motor (IM B3)				990 kg				
Regreasing device					With (standard)				Coating (paint finish)				Special paint finish C3				
Grease nipple					M10x1 DIN 3404 A				Color, paint shade				RAL7030				
Type of bearing					Locating bearing DE				Motor protection				(C) 6 PTC thermistors - for alarm and tripping (4 terminals)				
Bearing insulation DE / Bearing insulation NDE					Yes (non-drive end)				Method of cooling				IC411 - self ventilated, surface cooled				
Condensate drainage holes					With (standard)												
Terminal box																	
Terminal box position					top				Max. cross-sectional area				150 mm ²				
Material of terminal box					cast iron				Cable diameter from ... to ...				38 mm - 45 mm				
Type of terminal box					TB1 Q01				Cable entry				2xM63x1,5-2xM20x1,5				
Contact screw thread					M12				Cable gland				4 plugs				

