



## Motor 1LE1603-3AB43-3AC4-Z

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

### Product data sheet

Electrical data																	-/		
U [V]	$\Delta$ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta$ <sup>3)</sup>			cos $\phi$ <sup>3)</sup>			$I_A/I_N$ I <sub>A</sub> /I <sub>N</sub>	$M_A/M_N$ T <sub>A</sub> /T <sub>N</sub>	$M_G/M_N$ T <sub>G</sub> /T <sub>N</sub>	IE-CL		
								4/4	3/4	2/4	4/4	3/4	2/4						
<b>DOL duty (S1) - 155(F) to 130(B)</b>																			
380	$\Delta$	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	$\Delta$	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	$\Delta$	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) <sup>2) 3)</sup>		78 / 92 dB(A) <sup>2) 3)</sup>		External earthing terminal					With (standard)					
Moment of inertia					3.1000 kg m <sup>2</sup>			Vibration severity grade					A						
Bearing DE   NDE					6319 C3		6319 C3		Thermal class					F					
<b>bearing lifetime</b>								Duty type					S1						
L <sub>10mh</sub> F <sub>red min</sub> for coupling operation 50 60Hz <sup>1)</sup>					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						
Greasing 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 <sup>2</sup>						
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						

