



MLFB-Ordering data: **1LE1603-1DA62-2AB4**

Motor type: **1CV3166A**

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

U [V]	Δ/Y	f [Hz]	P		I [A]	n [1/min]	M [Nm]	NOM. EFF at ... load [%]			Power factor at ... load			$I_A/I_N$ I <sub>A</sub> /I <sub>N</sub>	$M_A/M_N$ T <sub>A</sub> /T <sub>N</sub>	$M_k/M_N$ T <sub>B</sub> /T <sub>N</sub>	IE-CL
			[kW]	[hp]				4/4	3/4	2/4	4/4	3/4	2/4				
230	Δ	50	22.00	- / -	66.00	2950	71.0	92.7	93.4	93.3	0.91	0.89	0.84	8.7	2.8	4.0	IE3
400	Y	50	22.00	- / -	37.50	2950	71.0	92.7	93.4	93.3	0.91	0.89	0.84	8.7	2.8	4.0	IE3
460	Y	60	25.30	- / -	37.50	3550	68.0	91.7	92.1	91.7	0.92	0.90	0.86	8.7	2.7	3.9	IE3
460	Y	60	22.00	- / -	33.50	3560	59.0	91.7	91.8	90.9	0.90	0.88	0.82	9.7	3.1	4.5	IE3
IM B3 / IM 1001			FS 160 L		137 kg	IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data			Terminal box	
Sound pressure level 50Hz/60Hz (load)	70 dB(A) <sup>1)</sup>	77 dB(A) <sup>1)</sup>	Terminal box position	top
Moment of inertia	0.073 kg m <sup>2</sup>		Material of terminal box	cast iron
Bearing DE   NDE	6309 Z C3	6309 Z C3	Type of terminal box	TB1 J01
Relubrication interval/quantity	10 g   10 g 8000 h		Contact screw thread	M5
Lubricants	Esso Unirex N3		Max. cross-sectional area	16.0 mm <sup>2</sup>
Regreasing device	Yes (standard)		Cable diameter from ... to ...	19.0 mm - 28.0 mm
Grease nipple			Cable entry	2xM40x1,5-1xM16x1,5
Type of bearing	Locating bearing NDE		Cable gland	3 plugs
Condensate drainage holes	Yes (standard)		Special design (0)	
External earthing terminal				
Vibration severity grade	A			
Insulation	155(F) to 130(B)			
Duty type	S1			
Direction of rotation	bidirectional			
Frame material	cast iron			
Data of anti condensation heating	-/-			
Coating (paint finish)	Special paint finish C3			
Color, paint shade	RAL7030			
Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)			
Method of cooling	IC411 - self ventilated, surface cooled			

### Environmental conditions

Ambient temperature	-20 °C - +40 °C
Altitude above sea level	1000 m

### Notes

$I_A/I_N$  = locked rotor current / current nominal     $M_k/M_N$  = break down torque / nominal torque  
 $M_A/M_N$  = locked rotor torque / torque nominal    1) Value is valid only for DOL operation with motor design IC411

