

CP00142
 E599160-26.7-051H-P0
 LMTP59-CH 160L 26.7 kW 5100 RPM



Certification

IEC/EN 60034-1	CE	Safe zone
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Electrical data

U	Δ/Y	f	P	I	n	T	IE	Duty	ΔT	Efficiency [%]			Power factor			Ld	Lq	EMF
[V]	-	[Hz]	[kW]	[A]	[RPM]	[Nm]	-	-	[K]	4/4	3/4	2/4	4/4	3/4	2/4	[mH]	[mH]	[V]
380	Δ	170	26.7	46.3	5100	50.0	IE5	S9	80	95.3	-	-	0.92	-	-	6.44	10.7	347

Connection from factory - Δ Insulation system - Reinforced

Mechanical and thermal data

SPL at 50 Hz	[dB(A)]	-	Direction of rotation	-	CW (bidirectional)
SPL at 60 Hz	[dB(A)]	-	Vibration severity grade	-	-
Moment of inertia	[kgm ²]	-	Insulation class	-	F
Frame size	-	160	Drain holes	-	No
Mounting	-	B5	Coating	-	C3L
Flange size	-	Standard	Color	-	RAL 9005
Shaft size	-	Standard	Thermal protection 1	-	3 x PTC 150°C (DE)
Flange material (DE)	-	Cast iron	Thermal protection 2	-	-
Frame material	-	Cast iron	Ingress protection	-	IP55
End shield material (NDE)	-	Cast iron	External earthing	-	No
Fan cover material	-	Steel	Ambient temperature	[°C]	-20 to +40
Weight	[kg]	89.6	Altitude	[m]	1000
Method of cooling	-	IC411 (TEFC)	Maximum relative humidity	[%]	85

Bearing data

Type (DE)	-	6309 2Z/C3	Relubrication interval at 50 Hz	[h]	-
Type (NDE)	-	6309 2Z/C3	Relubrication quantity (DE)	[g]	-
Locating	-	No	Relubrication quantity (NDE)	[g]	-
Wave washer	-	Yes (NDE)	Lubricant(s)	-	-
Insulated	-	No	Grease nipple (DE)	-	-
Lifetime (horizontal)	[h]	40,000	Grease nipple (NDE)	-	-

Terminal box data

Position (seen from DE)	-	Top			
Terminal box material	-	Aluminum			
Terminal board thread	-	M6			
Cable entry (main)	-	2 x M32 x 1.5			
Cable entry type (main)	-	2 x CG			
Cable diameter (main)	-	-			
Cable entry (aux.)	-	1 x M16 x 1.5			
Cable entry type (aux.)	-	1 x CG	Cable entry position (main)	-	1
Cable diameter (aux.)	-	-	Cable entry position (aux.)	-	3

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FABRIKA
Part of NORDIC DRIVES GROUP

Options

1	Torque constant Kt: 1.88 Nm/A (delta connection)
2	Voltage constant Ke: 68.0 V/1000 RPM (delta connection)
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Comments

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