

### Induction motor

4P LS 63M 0,18kW B14 230VD/400VY 50Hz -

**Utilisation :** Environment Current ; Ambiance Non corrosive ; Finition - ; Zone Non specific ; General applications ; Ambient temperature -16 +40 °C ; Maximum altitude 1000 m.

**Motor characteristics :** Aluminium alloy housing ; Aluminium alloy DE endshield ; Aluminium alloy NDE endshield.



### Motor definition

Protection type	-	Application	General applications
Generation code	-	Main voltage (V)	400
Efficiency class	-	Connection	DY
Number of network phases	3	Motor winding (V)	230VD/400VY
Number of speed		Rated Frequency (Hz)	50
Polarity	4P	Operation position	IM3601(IMB14)
Motor serie	LS	Index of protection	IP55
Frame size (mm)	63	Index of cooling	IC411
Lenght code	M	Insulation class	F
HS rated power (kW)	0.180	Finish	-
LS rated power (kW)	-	Moment of inertia J (kg.m2)	0.0004800
Rated speed (min-1)	1390	Motor weight (kg)	5.0
Maximum mechanical speed (min-1)			

### Common definitions

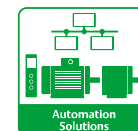
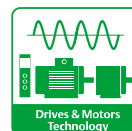
Paint shade	RAL6000
Paint system	la (1 polyurethane coat 20/30 microns)

### Motor mechanical interface

Mounting flange	FT75	Shaft material type	Steel shaft
Drive end shaft type	IEC STANDARD shaft end	Nuance of shaft material	-
Diameter DE shaft (mm)	11j6	Second shaft extension	-
Length DE shaft (mm)	23	Diameter NDE shaft (mm)	-
DE bearing mounting	Locked	Second shaft end length (mm)	-
DE bearing type	DE ball bearing	NDE bearing type	NDE ball bearing
DE bearing	6202	NDE bearing	6201
Code Type de graissage	Vie		

### Motor electrical interface

Connection network type	Terminal box	Cable type	-
Connection network material	Composite materials	Cable gland material	Polyamide cable gland
Connection network position	A	Main cable gland type	1xPE ISO M16
Connection network orientation	up	Principal cable gland position	Right (1)
Connection network relative position	0		



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#### Motor options

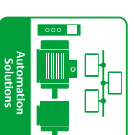
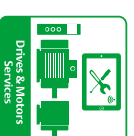
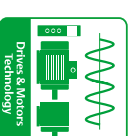
Vibration level	A (25µm ; 1.6mm/s ; 2.5m/s²)	Cover	Plastic cover
Balancing type	Half-key (H)	Drip proof cover option	-
Impregnation type	< 95% ; -16+40°C (T)	cooling type	-
Winding thermal protection	-	Forced ventilation characteristics	-
Space heater	-	Encoder type	-
Draining plugs position	6H	Encoder characteristics	-
Nameplate material	Aluminium nameplate	Screw material	Steel screw
Endshield thermal protection	-	Adaptation for vibration sensor	-
Reinforced winding insulation	-		

#### Motor characteristics (on mains supply)

Rated speed (min-1)	1390	Unload maximum starting frequency (d/h)	-
Rated current (A)	0.64	Acoustic pressure level (dB(A))	49
No-load current (A)	-	Power factor at 4/4 of the load	0,65
Id / In	3.7	Power factor at 3/4 of the load	0,55
Rated torque (N.m)	1,24	Power factor at 2/4 of the load	0,44
Starting torque (N.m)	3.24	Efficiency at 4/4 (IEC 60 034-2-1) of the load (%)	60.00
Maximum torque (N.m)	3,24	Efficiency at 3/4 (IEC 60 034-2-1) of the load (%)	56.00
Average starting torque (N.m)		Efficiency at 2/4 (IEC 60 034-2-1) of the load (%)	49.00
Rotor locked time (cold) (s)			

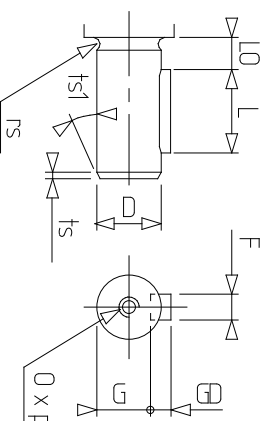
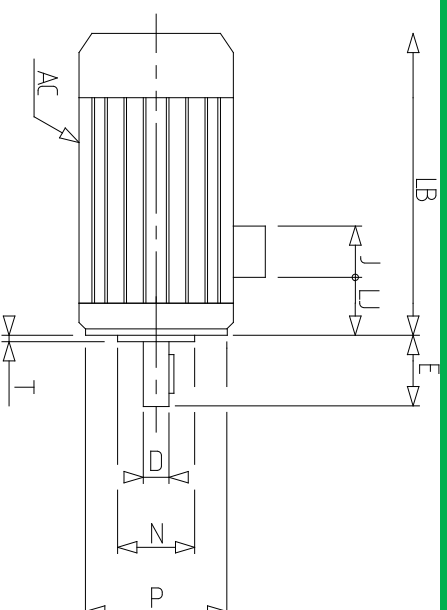
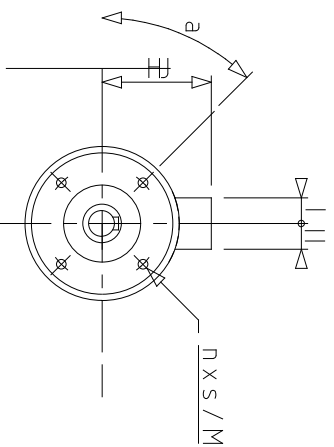


All for dreams



Data sheet

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a	45
AC	124.00
D	116
E	23
F	4
G	8.5
Gd	4
HJ	90.0
I	40
II	40
J	80
L	18
LA	0
LB	172.0
LJ	27.0
LO	4
M	75
N	60
n	4
O	M4
P	90
p	10
S	M5
T	2.5

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 Moturs Leroy-Somer SAS, Siège social : Bd Mercefin Leroy, CS 10015, 16915 Angoulême Cedex 9, France. Capital social : 65 800 512 €. RCS Angoulême 338 567 258.  
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