



TECHNICAL DATASHEET ACCORDING TO
COMMISSION REGULATION (EU) 2019/1781
THREE PHASE INDUCTION MOTOR - SQUIRREL CAGE

Type : 4EL160L4F-FA-BA-000

RE : 894257

Date : 01.01.2025

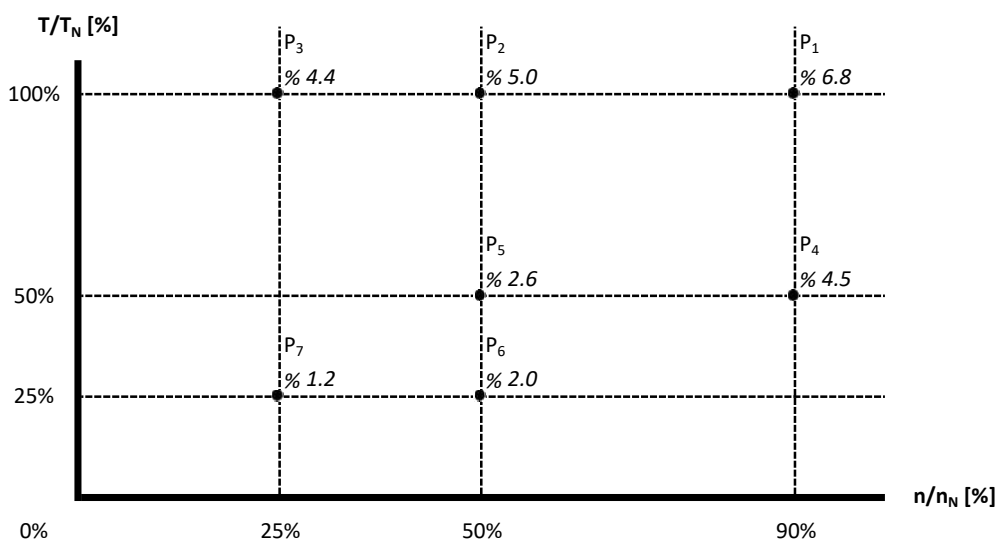
NAMEPLATE DATA

Power [kW]	: 15.0	Nominal Speed [rpm]	: 1475
Nominal Voltage [V]	: 400	Nominal Current [A]	: 28.9
Connection Type [Δ / Y]	: Δ	Nominal Moment [Nm]	: 97.1
Nominal Frequency [Hz]	: 50	Nominal Efficiency [η %]	: 93.9

THE POWER LOSSES AT SEVEN OPERATING POINTS ACCORDING TO COMMISSION REGULATION (EU) 2019/1781

Operating Point Number	Speed n/n_N [%]	Torque T/T_N [%]	Relative Power Losses P_L/P_N [%]	Efficiency η [%]
P ₁	90	100	6.8	93.0
P ₂	50	100	5.0	90.9
P ₃	25	100	4.4	85.1
P ₄	90	50	4.5	90.8
P ₅	50	50	2.6	90.5
P ₆	50	25	2.0	86.0
P ₇	25	25	1.2	84.0

MAP OF RELATIVE POWER LOSSES P_L/P_N [%]



Manufactured and tested in accordance with IEC 60034

FR.AG.010 REV.NO: 04 REV.DATE: 01.01.2023

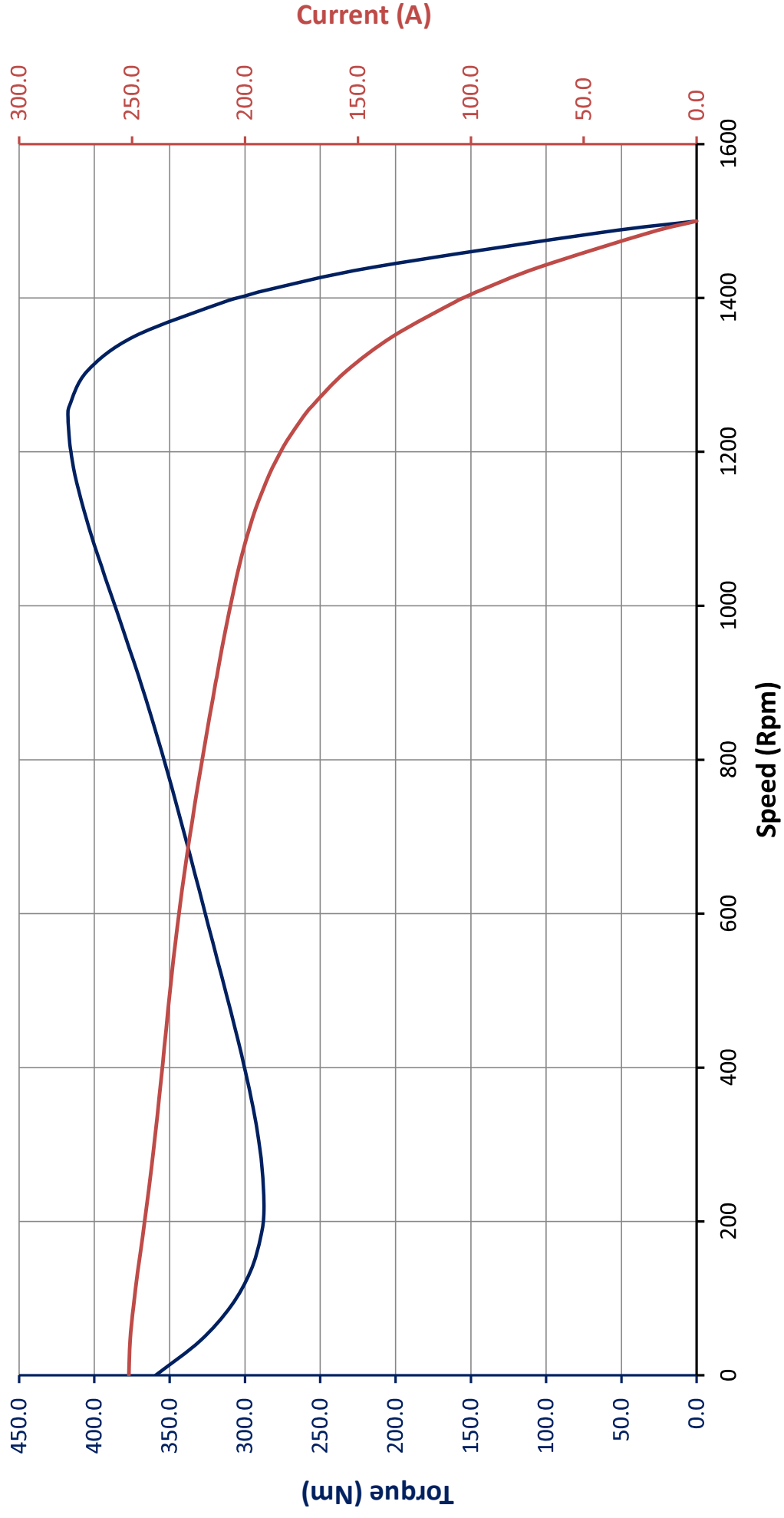
*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

*Mecaline has right to change all the data without prior notice.

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France

Motor Code : 4EL160L4F-FC-BA-000

Torque and Current Curves Related to Speed



Motor Code : 4EL160L4F-FC-BA-000

Performance Curves Related to Rated Output

