Data sheet for three-phase Squirrel-Cage-Motors ABB

Motor type: **FS: 254T - p - 15 hp -**

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project
Remarks		

Electrical data

U [V]	Δ / Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps] 4/4	3/4	1/2	0	LRC	Nom. Eff Load [%] 4/4	3/4	2/4	Pwr. Factor Load [%] 4/4	3/4	2/4	Torque [lb-ft]	T_A/T_N LRT [%]	T_k/T_N BDT [%]

Frame Type: 254T	Type of constr.:		Motor Prot.:	NEMA Des.:	S.F.: 1.15
Mtr. WT: lbs	Insulation Class.:Standard Class F Insulation	Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA:	IP 55

Mechanical data

Sound level (SPL / SWL) at 60 Hz	dB(A) / dB(A)	Thickener	
Octave Band Center Frequencies Hertz		Safe Stall Time Hot	s
250 500 1000 2000 4000 8000 Hz		Safe Stall Time Cold	s
SPL@3	dB(A)	Frame material	
Moment of inertia	$Lb\text{-}ft^2$	Color, paint shade	Standard Paint - RAL7030
Ext Load Inertia Capability:	$Lb\ ft^2$	Coating (paint finish)	Standard Alkyed + Epoxy (C2)
Bearings		**Ventilation Type**	
Bearing DE | NDE		Method of cooling	
Bearing_Type	Ball Bearing	Direction of rotation	
AFBMA:		Fan Material	
Grease		VFD	CT: VT:
Capacity	oz oz	Space heaters	-/-
Grease Type:		Brake:	-/-

Terminal box

Lead Wire Connection				
Voltage	L1	L2	L3	Connected together

Terminal box position	
Material of terminal box	
Cable entry	-/-

Notes:

I_A/I_N = locked rotor current / current nominal
M_A/M_N = locked rotor torque / torque nominal
M_K/M_N = break down torque / nominal torque

3) Value is valid only for DOL operation with motor design IC411
2) at rated power / at full load

Responsible department	Technical reference	Created by	Approved by	
IN LVM		SPC		*Technical data are subject to change! There may be discrepancies*

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Main terminal diagram

Responsible department	Technical reference	Created by	Approved by	*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.*	Link documents
IN LVM			Created automatically		

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